

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

January 2013

Introduction and summary of diseases and other conditions during January 2013

Due to good rainfall in some areas in the summer rainfall areas and hot weather, numerous reports of **internal** and **external parasitism** were reported. **Wireworm**, **brown stomach-** and **bankrupt-worm** infestations were reported. Some farmers were not up to date with their control programmes and they should discuss which active anthelmintic groups to use with their veterinarian as numerous reports of resistance to drugs were received. A **faecal egg count reduction test** should be done. Contact your veterinarian for more information about this test.

Clinical signs of **Parafilaria** infestations were reported from mainly the bushveld areas. Animals should be treated for 70 days with an approved product before slaughter to allow the false bruising lesions to heal.

Reports of **tapeworms** resistant to certain anthelmintics were received. An outbreak of *Coenurus cerebralis* (tapeworm cysts on the brain) was reported. To prevent this, dogs should be treated regularly with praziquantel and the heads of these dead sheep burnt.

In some areas **liver fluke** infestations were rife and even occurred in an area where it was never seen before. It is important to remember that clinical signs of liver fluke are very similar to that of wireworm i.e. anaemia and bottle jaw.

Be aware that **conical fluke** outbreaks have been reported. The most important clinical sign of this disease is a profuse projectile diarrhoea.

Increasing numbers of **blue**, **brown ear**, **bont-legged** and **heartwater ticks** were reported. It is important that farmers should know the life cycles of these parasites as this is the key to their control. An example is that the immature stages of brown ear-ticks should be controlled in winter so as to prevent the occurrence of high adult tick numbers in summer. The use of acaricides in a control programme should be discussed with your veterinarian so as to slow down the selection for tick resistance against the macrocyclic lactones which is now used excessively against blue ticks.

Tick transmitted diseases such as **African** and **Asiatic red water**, **anaplasmosis**, **heartwater** and **sweating sickness** were reported from many areas. Make sure that you contact your veterinarian in order to update the treatment protocols for the various diseases and to discuss the vaccination programmes to prevent these diseases from occurring.

Nuisance and **biting flies** have been reported in great numbers. These parasites are also transmitting various pathogens causing conditions such as ophthalmia, mastitis, diarrhoea and fly worry. Discuss control programmes with your veterinarian. Be aware of **screw-worm** larvae in wounds caused by tick bites as these maggots can kill animals if left untreated.

Midges, **biting flies** and **mosquitoes** were reported from many areas. These insects are carriers of viruses such as **blue tongue**, **three day stiff sickness**, **lumpy skin disease**, **Rift Valley fever**, **Wesselsbron disease** and **horsesickness**. Outbreaks of these diseases were reported except for Rift Valley and Wesselsbron disease. Animals should be vaccinated against these diseases before the rainy season. Plan the vaccination programme in such a way that this can be achieved. If an outbreak occurs move animals, if possible, to high lying areas away from water sources, spray

animals with a pyrethroid registered for use against insects and stable valuable animals at night.

Venereal diseases such as **trichomonosis** and **vibriosis** are still on the increase causing huge economical losses. Contact your veterinarian to discuss your biosecurity programme and to bring it up to date.

In spite of vaccines that are available against the **clostridial diseases: gasgangrene, botulism, pulpy kidney, red and blood gut** and **tetanus**, these diseases are reported on a monthly basis. Either animals are not vaccinated or something had gone array.

Brucellosis are out of hand and all farmers should be aware of the danger of bringing this disease onto their farm. Strict biosecurity measures should be followed to prevent a disaster.

Bovine malignant catarrh (snotsiekte) is still taking its toll every month. It is important that cattle farmers that are farming adjacent to game farms get sufficient knowledge on how this disease is spread.

Diseases also reported are **enzootic bovine leucosis, warts, orf, rabies** in cattle and dogs.

Coccidiosis are increasing due to wet conditions.

Multifactorial diseases and conditions that were reported are: abortions, poor conception, dystocias, metritis, retained placentas, navel ill, arthritis, mastitis, foot rot, diarrhoea, ophthalmia, abscesses and pneumonia.

The following **poisonings** were reported: urea, tulip, *Cestrum*, prussic poisoning, acidosis, sulphides in water, ergot, gousiekte, geeldikkop, slangkop, lead, photosensitization, mycotoxicosis, *Thesium lineatum* (witstorm) and *Ornithogalum toxicarum*.

Farmers should contact their veterinarians regarding the macro mineral and mineral status of their animals as this has a great influence on productivity.

Level of Reporting

The following veterinarians submitted reports for January 2013:

Mpumalanga

Drs. Neil Fourie and Johan Barkhuizen - Middelburg

Dr. Gustav Trümpelmann – Lydenburg

Dr. Louis van Jaarsveld – Balfour

Dr. Ben Potgieter – Ermelo

Drs. Wolfgang Niebuhr en Dieter Weber – Piet Retief

Dr. André Visser – Volksrust

Dr. André Beytell - Nelspruit

Gauteng

Drs. Harmse and Grobler - Onderstepoort

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

Limpopo

Dr. Hampie van Staden – Vaalwater

Dr. Gavin Watson - Polokwane

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
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. Hauptfleish – Villiers
Dr. Johan Wessels – Parys
Drs. Daffue, Eksteen, Van Zyl and Van der Walt - Kroonstad
Dr. Johan Kahts – Viljoenskroon
Dr. Eddie Albertyn – Winburg
Dr. Kobus Pretorius – Hoopstad
Dr. Murray Smith – Reitz
Drs. Van Hasselt and Blaauw - Ladybrand

KwaZulu-Natal

Drs. Collins, King and Delaney – Underberg
Dr. Ariena Shepherd and Robyn Hamman – Bergville
Dr. Silke Pfitzer – Pongola
Dr. Trever Viljoen – Mtubatuba
Dr. Silke Pfitzer – Pongola
Dr. Tony Grace – Dundee
Drs. Brand Anema and Jacqui Marais – Dundee
Drs. Fowler, Hartley and Mallett – Mooi River
Dr. Stephen Hughes – Howick
Dr. Rick Mapham – Pietermaritzburg
Dr. Graham Carr – Creighton
Drs. Turner, Tedder, Taylor, Tratschler, Van Rooyen and Alwar - Estcourt

Eastern Cape

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

Western Cape

Drs. Strydom, Truter, and Pettifer – George
Drs. Pienaar and Grobler – Beaufort-West
Dr. Ian Herbst – Caledon
Dr. Izak Rust – Vredenburg
Dr. Jannie van der Merwe – Darling
Dr. William van Zyl – Wellington
Dr. Glen Carlisle – Oudtshoorn
Dr. Alfred Kidd - Stellenbosch

Northern Cape

Dr. Ian Vorster – Upington

Dr. Jan Vorster - Kathu

Feed lot report

Drs. Shaun Morris and Eben du Preez

Laboratory reports

Dr. Marijke Henton - Idexx SA Johannesburg

Dr. Annelize Jonker – Provincial Laboratory - Stellenbosch

Dr. Liza du Plessis – Idexx SA Onderstepoort

Me. Jeanette Wentzel – Pathcare Cape Town

Total: 62 reports

General disease trends and discussion as informally reported by veterinarians during January 2013

Index

[Internal parasites](#)

[External parasites](#)

[Tick borne diseases](#)

[Insect transmittable diseases](#)

[Venereal diseases](#)

[Other bacterial diseases](#)

[Other viral diseases](#)

[Fungal diseases](#)

[Other protozoal diseases](#)

[Poisonings](#)

[Disease conditions that are caused by more than one organism or disease causing factor](#)

[Nutritional deficiencies](#)

[Ostriches](#)

[Horses](#)

[Pigs](#)

[Game](#)

Internal parasites

Roundworms

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
Vets reporting this disease	6	2	2	5	9	7	4	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	2	3	3	2	3	3	3	3	
Species affected	O,C	O,C	O,Game	B,O,C	B,O,C	B,O,C	O,C	O	

Mpumalanga

Balfour: dr. Louis van Jaarsveld

Wireworm (O 3)

Ermelo: dr. Ben Potgieter

Roundworms (O 1)

Middelburg: drs. Fourie and Barkhuizen

Roundworms (O 2) Management of parasite control should be discussed with your veterinarian and updated at regular intervals to combat anthelmintic resistance.

Nelspruit: dr. André Beytell

Intestinal roundworms (O,C 3) High rainfall, humidity and intensive grazing contribute to high parasite infestation on pastures. Kikuyu and star grass pastures are especially infested with infective larvae. Even animals grazing on veld pastures show signs of wireworm infestation. Animals are kraaled at night to prevent theft and the concentration of animals around kraals/camps/water troughs contribute to the infestation. On some farms the new "super drugs" had to be used to prevent deaths. Due to the climate, Lowveld farmers will also have to implement other management programmes such as safe pastures, camp systems with rotational grazing, separation of age groups, etc.

Piet Retief: drs. Niebuhr and Weber

Intestinal roundworms (O 2)

Volksrust: dr. André Visser

Roundworms (O 2)

Gauteng

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

Intestinal roundworms (O,C 2)

Onderstepoort: drs. Harmse and Grobler

Round worms (O,C 3) due to wet conditions

Limpopo

Polokwane: dr. Gavin Watson

Roundworms (3 game)

Vaalwater: dr. Hampie van Staden

Roundworms (O 3) animals dying due to wireworm infestation.

North West

Brits: dr. Lourens Coertze

Roundworms (O,C 1)

Christiana: dr. Pieter Nel

Roundworms (O 2)

Leeudoringstad: dr. Ian Jonker

Roundworms (O 3) Wireworm in sheep. Bankruptworm in goats. Mucosal scrapings were taken from the first meter of the small intestine with glass slides. Goats losing weight were kept on 5 hectare artificial pasture.

Stella: dr. Magdaleen Vosser

Roundworms (B,O,C 3)

Ventersdorp: dr. Olaf Marais

Wireworm (O 3)

Free State

Clocolan: dr. Liezel Wasserman

Roundworms (O 3)

Harrismith: drs. Scheepers, Thirion and Nel

Round worms (O 2) Few cases of a severe infestation seen. On most farms still reasonable control with grazing management and treatment.

Frankfort: dr. Dries Lessing

Roundworms (O 3)

Heilbron: dr. Piet van Zyl

Roundworms (O 2) Some anthelmintics, after treating sheep for wireworm infestation, do not even stop mortalities. In this area cydectin still give good results.

Hoopstad: dr. Kobus Pretorius

Roundworms (B 1, O 3, C 1)

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

Roundworms (O 3) take faecal samples to your veterinarian so that faecal egg counts can be done 10 days after treatment to assess the efficacy of the treatment.

Reitz: dr. Murray Smith

Intestinal roundworms (O 3)

Viljoenskroon: dr. Johan Kahts

Roundworms (O 2)

Villiers: drs. Hattingh and Hauptfleisch

Wireworm (O,C 2)

Bankruptworm (O 1)

KwaZulu-Natal**Bergville: drs. Ariena Shepherd and Robyn Hamman**

Intestinal roundworms (O 3) Young lambs on kikuyu – poor growth, weakness, and emaciation.

Creighton: dr. Graham Carr

Intestinal roundworms (O 1)

Dundee: drs. Anema and Marais

Roundworms (O 3) High egg counts, up to now majority of sheep responded well to treatment.

Dundee: dr. Tony Grace

Roundworms (O,C 3)

Estcourt: drs. Turner, Tedder, Taylor, Tratschler, Van Rooyen and Alwar

Roundworms (O 3)

Mooi River: drs. Fowler, Hartley and Mallett

Roundworms (O 3)

Mtubatuba: dr. Trever Viljoen

Roundworms (B,C,O 3)

Eastern Cape**Aliwal North: dr. Casper Troskie**

Wireworm (O 3)

Graaff-Reinet: dr. Roland Larson

Intestinal round worms (O,C 3) Monitoring of internal parasites still a problem. Farmers not up to date with their control measures.

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

Intestinal round worms (O 1)

Stutterheim: dr. Dave Waterman

Roundworms (O 3) Wireworm outbreaks and resistance a problem. Doing tests to find what anthelmintics are effective and advising the farmers accordingly. Protein nutrition also emphasised. Protein deficiency in sheep due to large numbers of brown stomach worm. Kraaling the problem.

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

Intestinal roundworms (O 2)

Darling: dr. Jannie van der Merwe

Roundworms (O 2) Ewes before lambing had a medium infestation of roundworms as assessed with faecal egg counts. Treatment is not done routinely before sheep go to stubble lands.

George: drs. Strydom, Truter and Pettifer

Roundworms (O 3) recurring infestations.

Wellington: dr. William van Zyl

Brown stomach worm (O 3) and deaths occurred.

Resistant roundworms

Province	Mpumalanga	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
Vets reporting this disease	1				1	4	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	3				2	2	3	3	3
Species affected	O,C				O	O	O,C	O	O

Mpumalanga

Nelspruit: dr. André Beytell

Resistant roundworms (O,C 3)

Free State

Heilbron: dr. Piet van Zyl

Resistant roundworms (O 2)

KwaZulu-Natal

Bergville: drs. Ariena Shepherd and Robyn Hamman

Resistant roundworms (O 3)

Creighton: dr. Graham Carr

Resistant roundworms (O 2)

Estcourt: drs. Turner, Tedder, Taylor, Tratschler, Van Rooyen and Alwar

Resistant roundworms (O 1)

Mooi river: drs. Fowler, Hartley and Mallett

Resistant roundworms (O 3)

Eastern Cape

Graaff-Reinet: dr. Roland Larson

Resistant roundworms (O,C 2)

Stutterheim: dr. Dave Waterman

Roundworms (O 3) Wireworm outbreaks and resistance a problem. Doing tests to find what anthelmintics are effective and advising the farmers accordingly. Protein nutrition also emphasised.

Western Cape

George: drs. Strydom, Truter and Pettifer

Resistant roundworms (O 3)

Northern Cape

Kathu: dr. Jan Vorster

Resistant round worms (O 3) Treating animals with a new drug, containing derquantel and abamectin, controlled the resistant wireworm.

Tapeworms

Province	Mpumalanga	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease	3	2	1	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	2	3	3	1	2	3			
Species affected	O,C	O,C	O	C	O,C	O			

Mpumalanga

Balfour: dr. Louis van Jaarsveld

Tapeworms (O 3) resistance to benzimidazoles

Nelspruit: dr. André Beytell

Tapeworms (O,C 2)

Volksrust: dr. André Visser

Tapeworms (O 2)

Gauteng

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

Tapeworms (O,C 2)

Onderstepoort: drs. Harmse and Grobler

Tapeworms (O 3)

Limpopo

Polokwane: dr. Gavin Watson

Tapeworms (O 3)

North West

Brits: dr. Lourens Coertze

Tapeworms (C 1)

Free State

Parys: dr. Johan Wessels

Tapeworms (O 1, C1)

Viljoenskroon: dr. Johan Kahts

Tapeworms (O 3)

Villiers: drs. Hattingh and Hauptfleisch

Tapeworm (O 2)

KwaZulu-Natal

Underberg: drs. Collins, King and Delaney

Tapeworms (O 3)

Liver fluke

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
Vets reporting this disease	2				2	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				2	2	2	2	
Species affected	O				B	B	B,O	B,O	

Mpumalanga

Lydenburg: dr. Gustav Trümpelmann

Liver fluke (B,O 3) due to excessive rainfall

Volksrust: dr. André Visser

Liver fluke (O 1)

Free State

Frankfort: dr. Dries Lessing

Liver fluke (B 2)

Villiers: drs. Hattingh and Hauptfleisch

Liver fluke (B 1)

KwaZulu Natal

Mooi river: drs. Fowler, Hartley and Mallett

Liver fluke (B 2)

Underberg: drs. Collins, King and Delaney

Liver fluke (B 2)

Eastern Cape

Aliwal North: dr. Casper Troskie

Liver fluke (O 1) in Burgersdorp

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

Liver fluke (B 1)

Stutterheim: dr. Dave Waterman

Coenurus cerebralis (O 3) 10 out of 300 affected with this tapeworm cyst on the brain. Dewormed the sheep dogs.

Western Cape

Caledon: dr. Ian Herbst

Liver fluke (O 1)

George: drs. Strydom, Truter and Pettifer

Liver fluke (B,O 3)

Conical fluke (Paramphistomosis)

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
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	1				3				
Species affected	B				B,O				

Mpumalanga

Ermelo: dr. Ben Potgieter

Conical fluke (B 1)

FreeState

Frankfort: dr. Dries Lessing

Conical fluke (B,O 3)

Hoopstad: dr. Kobus Pretorius

Conical fluke (B 3)

Villiers: drs. Hattingh and Hauptfleisch

Conical fluke (B 1)

Parafilaria

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
Vets reporting this disease	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	1		1	2		2			
Species affected	B		B	B		B			

Mpumalanga

Nelspruit: dr. André Beytell

Parafilaria (B 1)

Limpopo

Polokwane: dr. Gavin Watson

Parafilaria (B 1)

North West

Stella: dr. Magdaleen Vosser

Parafilaria (B 2)

KwaZulu-Natal

Mtubatuba: dr. Trever Viljoen

Parafilaria (B 2)

External parasites

Blue Ticks

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
Vets reporting this disease	6	2	1	4	8	7	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	3	2	3	2	3	3	
Species affected	B	B,O,C	B	B	B,O,C	B	B	B	

Mpumalanga

Balfour: dr. Louis van Jaarsveld

Blue ticks (B 2)

Lydenburg: dr. Gustav Trümpelmann

Blue ticks (B 3)

Middelburg: drs. Fourie and Barkhuizen

Blue ticks (B 2)

Nelspruit: dr. André Beytell

Blue ticks (B 3)

Piet Retief: drs. Niebuhr and Weber

Blue ticks (B 2)

Volksrust: dr. André Visser

Blue ticks (B 2)

Gauteng

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

Blue ticks (B 2)

Onderstepoort: drs. Harmse and Grobler

Blue ticks (B,O,C 3)

Limpopo

Polokwane: dr. Gavin Watson

Blue ticks (B 3)

North West

Leeudoringstad: dr. Ian Jonker

Blue ticks (B 1) low numbers

Schweizer Reneke: dr. N.J.Heyns

Blue ticks (B 3)

Stella: dr. Magdaleen Vosser

Blue ticks (B 3) especially on buffel grass (*Cenchrus ciliaris*, African foxtail grass) and bottle brush grass (*Anthepora pubescens*).

Ventersdorp: dr. Olaf Marais

Blue ticks (B 2)

Free State

Clocolan: dr. Liezel Wasserman

Blue ticks (B 3)

Frankfort: dr. Dries Lessing

Blue ticks (B 3)

Hoopstad: dr. Kobus Pretorius

Blue ticks (B,O,C 3)

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

Blue ticks (B 2)

Reitz: dr. Murray Smith

Blue ticks (B 2)

Viljoenskroon: dr. Johan Kahts

Blue ticks (B 3)

Villiers: drs. Hattingh and Hauptfleisch

Blue ticks (B 3)

Winburg: dr. Eddie Albertyn

Blue ticks (B 2)

KwaZulu-Natal

Bergville: drs. Ariena Shepherd and Robyn Hamman

Blue ticks (O,B 3)

Creighton: dr. Graham Carr

Blue ticks (B 2)

Dundee: dr. Tony Grace

Blue ticks (B,O,C 3)

Estcourt: drs. Turner, Tedder, Taylor, Tratschler, Van Rooyen and Alwar

Blue ticks (B 2)

Mooi River: drs. Fowler, Hartley and Mallett

Blue ticks (B 2)

Mtubatuba: dr. Trever Viljoen

Blue ticks (B 3)

Underberg: drs. Collins, King and Delaney

Blue ticks (B 2)

Eastern Cape

Aliwal North: dr. Casper Troskie

Blue ticks (B 3)

Western Cape

George: drs. Strydom, Truter and Pettifer

Blue ticks (B 3) Increased numbers go hand in hand with red water outbreaks.

Oudtshoorn: dr. Glen Carlisle

Blue ticks (B 3) The tick load this year is excessive despite farmers using pour on acaricides – to date no sign of *Babesia* or *Anaplasma*.

Resistant ticks

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

Nelspruit: dr. André Beytell

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		2	2	5	7	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	2	2	2	2	1	2
Species affected		B,O,C	B	B,O,C	B,O	B,O,C	B	B	B

Gauteng

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

Bont-legged ticks (B 2)

Onderstepoort: drs. Harmse and Grobler

Bont-legged ticks (B,O,C 3)

Limpopo

Polokwane: dr. Gavin Watson

Bont-legged ticks (B 3)

Vaalwater: dr. Hampie van Staden

Bont-legged ticks (B 2) 2 year old heifers with hairloss in axillae.

North West

Brits: dr. Lourens Coertze

Bont-legged ticks (B,O,C 2) Big damage to udders of cows. Complications due to screw-worm infestation in the wounds created by the bont-legged ticks and this again lead to higher culling figures and poorer growth due to lowered milk production.

Leeudoringstad: dr. Ian Jonker

Bont-legged ticks (B 2)

Schweizer-Reneke: dr. N.J. Heyns

Bont-legged ticks (B 3)

Stella: dr. Magdaleen Vosser

Bont-legged ticks (B,O,C 3)

Ventersdorp: dr. Olaf Marais

Bont-legged ticks (B 1)

Free State

Bethlehem: drs. Basson , Strydom and Strydom

Bont-legged ticks (B,O 2)

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 2)

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

Bont-legged ticks (B,O 3)

Viljoenskroon: dr. Johan Kahts

Bont-legged ticks (B 3)

Winburg: dr. Eddie Albertyn

Bont-legged ticks (B 1)

KwaZulu-Natal

Dundee: dr. Tony Grace

Bont-legged ticks (B,O,C 2)

Western Cape

Oudtshoorn: dr. Glen Carlisle

Bont-legged ticks (B 1)

Northern Cape

Kathu: dr. Jan Vorster

Bont-legged ticks (B 2) due to hot weather and localized rainfall tick numbers are increasing in certain areas.

Upington: dr. Ian Vorster
Bont-legged ticks (B 2)

Red-legged ticks

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
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			2		2			
Species affected	B			B		B,O			

Mpumalanga

Ermelo: dr. Ben Potgieter
Red-legged ticks (B 3)

North West

Schweitzer Reneke: dr. N.J. Heyns
Red-legged ticks (B 2)

KwaZulu-Natal

Dundee: dr. Tony Grace
Red-legged ticks (B,O 2)

Brown ear-ticks

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
Vets reporting this disease	3	1	2	4	3	6			
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance	3	3	3	2	2	3			
Species affected	B	B,O,C,E	B	B	B,O	B			

Mpumalanga

Balfour: dr. Louis van Jaarsveld
Brown ear-ticks (B 3)

Lydenburg: dr. Gustav Trümpelmann
Brown ear-ticks (B 3)

Nelspruit: dr. André Beytell

Brown ear-ticks (B 3) The months of January to March are the high season for brown ear ticks with secondary screw-worm infestation. Cattle have to be dipped weekly to prevent serious ear damage. Spot treatment of ears with pour-on dips is effective over and above the normal dipping programme.

Gauteng

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

Brown ear-ticks (B,E 3) Huge problem in district and therefore farmers are trying to eradicate the brown ear-ticks. With this action blue ticks numbers are becoming so few that an unstable red water situation is developing.

Onderstepoort: drs. Harmse and Grobler
Brown ear-ticks (B,O,C 3)

Limpopo

Polokwane: dr. Gavin Watson
Brown ear-ticks (B 3)

Vaalwater: dr. Hampie van Staden
Brown ear-ticks (B 3)

North West

Brits: dr. Lourens Coertze

Brown ear-ticks (B 2)

Leeudoringstad: dr. Ian Jonker

Brown ear-ticks (B 3) Severe infestation in the ears of cattle. Farmers that treated their animals in the winter to control the immature stages of the ticks have less problems.

Schweizer Reneke: dr. N.J.Heyns

Brown ear-ticks (B 2)

Ventersdorp: dr. Olaf Marais

Brown ear-ticks (B 2)

Free State

Bethlehem: drs. Basson , Strydom and Strydom

Brown -ear ticks (B,O 3)

Heilbron: dr. Piet van Zyl

Brown ear-ticks (B 1)

Parys: dr. Johan Wessels

Brown ear-ticks (B 3)

KwaZulu-Natal

Bergville: drs. Ariena Shepherd and Robyn Hamman

Brown ear-ticks (B 1)

Creighton: dr. Graham Carr

Brown ear- ticks (B 1)

Dundee: dr. Tony Grace

Brown ear-ticks (B 2)

Estcourt: drs. Turner, Tedder, Taylor, Tratschler, Van Rooyen and Alwar

Brown ear- ticks (B 3)

Mtubatuba: dr. Trever Viljoen

Brown ear-ticks (B 2)

Underberg: drs. Collins, King and Delaney

Brown ear-ticks (B 1)

Bont ticks (*Amblyomma hebraeum*) Heartwater ticks

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
Vets reporting this disease	2	1	2	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		1			
Species affected	B	B,O,C	B,O	B,O,C		B,O,C			

Mpumalanga

Lydenburg: dr. Gustav Trümpelmann

Heartwater ticks (B 3)

Nelspruit: dr. André Beytell

Heartwater ticks (B 2)

Gauteng

Onderstepoort: drs. Harmse and Grobler

Bont ticks (B,O,C 3)

Limpopo

Polokwane: dr. Gavin Watson

Heartwater ticks (B 3)

Vaalwater: dr. Hampie van Staden

Heartwater (B,O 3)

North West

Stella: dr. Magdaleen Vosser

Heartwater ticks (B,O,C 3)

KwaZulu-Natal

Dundee: dr. Tony Grace

Heartwater ticks (B,O 1)

Estcourt: drs. Turner, Tedder, Taylor, Tratschler, Van Rooyen and Alwar

Heartwater ticks (B 1)

Mtubatuba: dr. Trever Viljoen

Heartwater ticks (B,C,O 3)

Paralysis Ticks

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

Hoopstad: dr. Kobus Pretorius

Biting lice (B 2)

Sucking Lice

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

Hoopstad: dr. Kobus Pretorius

Sucking lice (B 2)

Mites (Sheep scab)

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
Vets reporting this disease					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					2				
Species affected					O				

Free State

Bethlehem: drs. Basson , Strydom and Strydom

Sheep scab (O 1)

Clocolan: dr. Liezel Wasserman

Sheep scab (O 3)

Heilbron: dr. Piet van Zyl

Mites (O 1)

Reitz: dr. Murray Smith
Sheep scab (O 1)

Nuisance and biting flies,

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
Vets reporting this disease	4			2	7	7		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		2	
Species affected	B,O,C			B,O,C	B,O,C,E	B,O,C		B, O	

Mpumalanga

Balfour: dr. Louis van Jaarsveld

Nuisance and biting flies (B,O 3)

Ermelo: dr. Ben Potgieter

Nuisance flies (B 3)

Nelspruit: dr. André Beytell

Nuisance flies (B,O,C 3)

Volksrust: dr. André Visser

Nuisance flies (B 3)

North West

Schweizer Reneke: dr. N.J.Heyns

Nuisance and stable flies (B,O 3)

Stella: dr. Magdaleen Vosser

Nuisance and stable flies (B,O,C 3)

Free State

Bethlehem: drs. Basson, Strydom and Strydom

Nuisance flies (E and dogs 3)

Frankfort: dr. Dries Lessing

Nuisance and biting flies (B,O 3)

Harrismith: drs. Scheepers, Thirion and Nel

Nuisance flies (B 3)

Hoopstad: dr. Kobus Pretorius

Nuisance flies (B,O 3)

Reitz: dr. Murray Smith

Nuisance flies (B,O,E 3)

Viljoenskroon: dr. Johan Kahts

Nuisance flies (B,O 3)

Villiers: drs. Hattingh and Hauptfleisch

Nuisance flies (B,O 3)

KwaZulu-Natal

Creighton: dr. Graham Carr

Nuisance flies (B 2)

Dundee: drs. Anema and Marais

Nuisance flies (B 3)

Dundee: dr. Tony Grace

Nuisance flies (B,O,C 3)

Estcourt: drs. Turner, Tedder, Taylor, Tratschler, Van Rooyen and Alwar

Nuisance flies (B 3)

Mooi River: drs. Fowler, Hartley and Mallett

Nuisance flies (B,O 3)

Mtubatuba: dr. Trever Viljoen

Nuisance flies (B,O,C 3)

Underberg: drs. Collins, King and Delaney
Nuisance flies (B 3)

Western Cape

Oudtshoorn: dr. Glen Carlisle
Nuisance flies (B,O 2)

Screw-worm

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
Vets reporting this disease	1	2	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	3			2			
Species affected	B,O,C	B	E			B,C,G			

Mpumalanga

Nelspruit: dr. André Beytell
Screw-worm (B,O,C 3)

Gauteng

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

Screw-worm (B 1)

Onderstepoort: drs. Harmse and Grobler

Screw-worm (B 2)

KwaZulu-Natal

Estcourt: drs. Turner, Tedder, Taylor, Tratschler, Van Rooyen and Alwar

Screw-worm (B 1)

Mtubatuba: dr. Trever Viljoen

Screw-worm (B,C 2)

Pongola/Magudu: dr. Silke Pfitzer

Screw-worm (Game 2) maggots in wounds.

Blowflies

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
Vets reporting this disease					3	2		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		1	
Species affected					B,O	B,O		O	

Free State

Frankfort: dr. Dries Lessing

Blowflies (B,O 3)

Harrismith: drs. Scheepers, Thirion and Nel

Blowflies (O 2)

Hoopstad: dr. Kobus Pretorius

Blowflies (O 3)

KwaZulu-Natal

Bergville: drs. Ariena Shepherd and Robyn Hamman

Blowflies (O 2)

Mooi River: drs. Fowler, Hartley and Mallett

Blowflies (B 2)

Western Cape

Caledon: dr. Ian Herbst

Blowflies (O 1)

Oudtshoorn: dr. Glen Carlisle

Blowflies (O 1)

Nasal bot larvae

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

Midges and Mosquitoes

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
Vets reporting this disease	2	1		5	6	5		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		2	3	3		2	1
Species affected	B,O,C	B,O,C		B,O,C,E	B,O,E	B,O,C		B,O,C	B,O

Mpumalanga

Nelspruit: dr. André Beytell

Midges (B,O,C 3)

Volkstrust: dr. André Visser

Midges (B,O 3)

Gauteng

Onderstepoort: drs. Harmse and Grobler

Midges (B,O,C 3)

North West

Brits: dr. Lourens Coertze

Midges (B,O,E 2)

Leudoringstad: dr. Ian Jonker

Midges (B,O,E 3) Heavy infestations along rivers. Ears of foals damaged due to bites.

Schweizer Reneke: dr. N.J.Heyns

Midges (B,O 3)

Stella: dr. Magdaleen Vosser

Midges (B,O,C 3)

Ventersdorp: dr. Olaf Marais

Midges (B,O 1)

Free State

Bethlehem: drs. Basson , Strydom and Strydom

Midges (B,O 3)

Clocolan: dr. Liezel Wasserman

Midges (O 3)

Frankfort: dr. Dries Lessing

Midges (B,O 3)

Reitz: dr. Murray Smith

Midges (O,E 3)

Viljoenskroon: dr. Johan Kahts

Midges (B 3)

Villiers: drs. Hattingh and Hauptfleisch

Midges (O 2)

KwaZulu-Natal

Bergville: drs. Ariena Shepherd and Robyn Hamman

Midges (O,B 3)

Dundee: dr. Tony Grace

Midges (B,O,C 3)

Estcourt: drs. Turner, Tedder, Taylor, Tratschler, Van Rooyen and Alwar

Midges (B 3)

Mooi River: drs. Fowler, Hartley and Mallett

Midges (O 3)

Underberg: drs. Collins, King and Delaney

Midges (B 2)

Western Cape

Oudtshoorn: dr. Glen Carlisle

Midges (B,O,C 2) *Culicoides* spp.

Northern Cape

Upington: Dr. Ian Vorster

Midges (B,O 1)

General

KwaZulu-Natal

Dundee: dr. Tony Grace

Severe rain and water lead to a dramatic increase in the external parasite load– All arthropod borne diseases are expected to go mad....

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
Vets reporting this disease	4	1		1	5	8		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	2		3	
Species affected	B	B		B	B	B		B	

Mpumalanga

Ermelo: dr. Ben Potgieter

African red water (B 2)

Lydenburg: dr. Gustav Trümpelmann

African red water (B 2)

Middelburg: drs. Fourie and Barkhuizen

African red water (B 2)

Nelspruit: dr. André Beytell

African red water (B 2)

Limpopo

Polokwane: dr. Gavin Watson

African red water (B 3) three separate outbreaks

North West

Brits: dr. Lourens Coertze

African red water (B 1)

Leeudoringstad: dr. Ian Jonker

African red water (B 3)

Free State

Bethlehem: drs. Basson , Strydom and Strydom

African red water (B 2)

Clocolan: dr. Liezel Wasserman

African red water (B 2)

Frankfort – dr. Dries Lessing

African red water (B 2) 6 herds affected.

Harrismith: drs. Scheepers, Thirion and Nel

African red water (B 3) large outbreaks, one month earlier than usual due to early rains. Tried to control blue ticks from October.

Villiers: drs. Hattingh and Hauptfleisch

African red water (B 2)

KwaZulu-Natal

Bergville: drs. Ariena Shepherd and Robyn Hamman

African red water (B 3)

Dundee: drs. Anema and Marais

African red water (B 3)

Dundee: dr. Tony Grace

African red water (B 3) Outbreak in herd of 140 oxen. Dipped too clean and farmer had not immunised as recommended. Two out of four treated died - another 7 sick when blocked with diminazene (full dose) and all 7 recovered. Another herd of heifers had an outbreak and 2 died.

Estcourt: drs. Turner, Tedder, Taylor, Tratschler, Van Rooyen and Alwar

African red water (B 2) unstable immune status.

Howick: dr. Stephen Hughes

African red water (B 3) Excessive outbreaks

Mtubatuba: dr. Trever Viljoen

Africa red water (B 2)

Pietermaritzburg: dr. Rick Mapham

African red water (B 1) animals grazing in riverine forest area.

Underberg: drs. Collins, King and Delaney

African red water (B 2) due to blue tick explosion.

Western Cape

George: drs. Strydom, Truter and Pettifer

African red water (B 3)

Asiatic Red Water (*Babesia bovis*)

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
Vets reporting this disease	6	1	1	1	3	6	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	3	3	2	2	3	2	
Species affected	B	B	B	B	B	B	B	B	

Mpumalanga

Balfour: dr. Louis van Jaarsveld

Asiatic red water (B 3)

Ermelo: dr. Ben Potgieter

Asiatic red water (B 2) Huge problem in the Ermelo area. Mortalities in bulls, cows and heifers.

Middelburg: drs. Fourie and Barkhuizen

Asiatic red water (B 3)

Nelspruit: dr. André Beytell

Asiatic red water (B 3) outbreak in a dairy set up with catastrophic results: diseased cows, mortalities, loss in milk production and the producer is not able to deliver his quota of milk. Recovered cows milk production take a long time to recover but production is lower than before the outbreak started. The consequence of cows aborting will only be felt at a later stage when there will not be sufficient cows fresh in milk. Dairies in the Lowveld (most on pastures) follow an endemic unstable management programme regarding tick transmitted diseases i.e. dip clean and do not vaccinate. The danger is when the dipping programme is not sustained.

Piet Retief: drs. Niebuhr and Weber

Asiatic red water (B 3)

Volksrust: dr. André Visser

Asiatic red water (B 2) Two cases of red water in calves, 5 to 6 months old. One group was moved to a feedlot and the other group was dipped. In both cases 3 calves died.

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

Asiatic red water (B 2) Stud animals brought in from the the Vaal dam area. Three out of 11 animals died due to Asiatic red water that was complicated due to a concomitant *C. novyi* infection.

Limpopo**Polokwane: dr. Gavin Watson**

Asiatic red water (B 3) Two separate outbreaks

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

Asiatic red water (B 3)

Free State**Bethlehem: drs. Basson , Strydom and Strydom**

Asiatic red water (B 2)

Clocolan: dr. Liezel Wasserman

Asiatic red water (B 2)

Harrismith: drs. Scheepers, Thirion and Nel Asiatic red water (B 2) large outbreaks, one month earlier than usual due to early rains. Tried to control blue ticks from October. **Villiers: drs. Hattingh and Hauptfleisch**

Asiatic red water (B 2)

KwaZulu-Natal**Bergville: drs. Ariena Shepherd and Robyn Hamman**

Asiatic red water (B 2) High mortality rate in young stock.

Creighton: dr. Graham Carr

Asiatic red water (B 3) Dairy herds – milking cows, dry cows and pregnant heifers affected, 18 deaths and counting...

Dundee: drs. Anema and Marais

Asiatic red water (B 3) high mortality rates

Estcourt: drs. Turner, Tedder, Taylor, Tratschler, Van Rooyen and Alwar

Asiatic red water (B 3) unstable immune status.

Howick: dr. Stephen Hughes

Asiatic red water (B 1)

Pietermaritzburg: dr. Rick Mapham

Asiatic red water (B 2) animals grazing in riverine forest area.

Underberg: drs. Collins, King and Delaney

Asiatic red water (B 2) due to blue tick explosion.

Eastern Cape

Stutterheim: dr. Dave Waterman

Asiatic Redwater (B 3) still a problem. Bleeding is becoming more acceptable as apposed to chemical blocking.

Western Cape

George: drs. Strydom, Truter and Pettifer

Asiatic red water (B 2) beginning of the red water season, will increase.

Anaplasmosis

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
Vets reporting this disease	3	1		4	8	7	2	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	1		2	2	2	2	2	1
Species affected	B	B		B	B	B	B	B	B

Mpumalanga

Middelburg: drs. Fourie and Barkhuizen

Anaplasmosis (B 1)

Nelspruit: dr. André Beytell

Anaplasmosis (B 1)

Piet Retief: drs. Niebuhr and Weber

Anaplasmosis (B 1)

Gauteng

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

Anaplasmosis (B 1)

North West

Brits: dr. Lourens Coertze

Anaplasmosis (B 3) outbreaks on two farms. About 40 calves under the age of 6 months showed signs of anaplasmosis. No answer yet to what the reason is could be. Cows show no signs of the disease.

Christiana: dr. Pieter Nel

Anaplasmosis (B 2)

Stella: dr. Magdaleen Vosser

Anaplasmosis (B 2)

Ventersdorp: Olaf Marais

Anaplasmosis (B 2)

Free State

Clocolan: dr. Liezel Wasserman

Anaplasmosis (B 3)

Harrismith: drs. Scheepers, Thirion and Nel

Anaplasmosis (B 2)

Heilbron: dr. Piet van Zyl

Anaplasmosis (B 1)

Hoopstad: dr. Kobus Pretorius

Anaplasmosis (B 3)

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

Anaplasmosis (B 2) Treat animals with high tick infestations. Need some ticks on the animal to maintain the immune status of animals.

Reitz: dr. Murray Smith

Anaplasmosis (B 1)

Villiers: drs. Hattingh and Hauptfleisch

Anaplasmosis (B 2)

Winburg: dr. Eddie Albertyn
Anaplasmosis (B 2)

KwaZulu-Natal

Bergville: drs. Ariena Shepherd and Robyn Hamman
Anaplasmosis (B 3) increased incidence of anaplasmosis in 3 months and older calves being affected. Classical signs but delayed response by farmers in treatment as they still believe the calves have immunity.

Dundee: dr. Tony Grace
Anaplasmosis (B 1)

Estcourt: drs. Turner, Tedder, Taylor, Tratschler, Van Rooyen and Alwar
Anaplasmosis (B 3) due to severe biting fly infestation.

Howick: dr. Stephen Hughes
Anaplasmosis (B 3)

Mooi River: drs. Fowler, Hartley and Mallett
Anaplasmosis (B 1)

Mtubatuba: dr. Trever Viljoen
Anaplasmosis (B 2)

Underberg: drs. Collins, King and Delaney
Anaplasmosis (B 1)

Eastern Cape

Aliwal North: dr. Casper Troskie
Anaplasmosis (B 3) a case of resistance to tetracyclines in Burgersdorp area. Had to use imidocarb.

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

Western Cape

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

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

Stellenbosch: dr. Alfred Kidd
Anaplasmosis (B 2) Transmission mainly by biting flies therefore fly control is important.

Northern Cape

Kathu: dr. Jan Vorster
Anaplasmosis (B 1)

Heartwater

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
Vets reporting this disease	1	1	1	3		7	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	2		2	2		
Species affected	C	O,C	B	B,O,C		B,O,C	B		

Mpumalanga

Nelspruit: dr. André Beytell
Heartwater (C 2)

Gauteng

Onderstepoort: drs. Harmse and Grobler
Heartwater (O,C 2)

Limpopo

Polokwane: dr. Gavin Watson

Heartwater (B 3)

North West

Brits: dr. Lourens Coertze

Heartwater (O,C 2)

Schweizer Reneke: dr. N.J.Heyns

Heartwater (B 1) outbreak in a herd of 55 heifers. Game on farm and infection probably from them.

Stella: dr. Magdaleen Vosser

Heartwater (B,O,C 3)

KwaZulu-Natal

Dundee: drs. Anema and Marais

Heartwater (B 2)

Dundee: dr. Tony Grace

Heartwater (B,O 2)

Estcourt: drs. Turner, Tedder, Taylor, Tratschler, Van Rooyen and Alwar

Heartwater (B,O 1)

Mooi River: drs. Fowler, Hartley and Mallett

Heartwater (B 1)

Mtubatuba: dr. Trever Viljoen

Heartwater (B,C,O 3)

Pietermaritzburg: dr. Rick Mapham

Heartwater (B 2)

Eastern Cape

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
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
Vets reporting this disease	1	1	1	4	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	2	3	2	3				2
Species affected	B	B	B	B	B				B

Mpumalanga

Lydenburg: dr. Gustav Trümpelmann

Sweating sickness (B 2)

Gauteng

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

Sweating disease (B 2)

Limpopo

Polokwane: dr. Gavin Watson

Sweating sickness (B 3)

North West

Christiana: dr. Pieter Nel

Sweating sickness (B 2)

Leeudoringstad: dr. Ian Jonker

Sweating sickness (B 2)

Stella: dr. Magdaleen Vosser

Sweating sickness (B 3)

Ventersdorp: dr. Olaf Marais

Sweating sickness (B 1)

Free State

Hoopstad: dr. Kobus Pretorius

Sweating sickness (B 3)

Viljoenskroon: dr. Johan Kahts

Sweating disease (B 3)

Northern Cape

Upington: dr. Ian Vorster

Sweating sickness (B 2) A-typical sweating disease in calves, one to two months old, Brahman and crosses. Similar signs as geeldikkop and hard skin. Look for bont-legged ticks.

Insect transmittable diseases

Lumpy skin disease

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
Vets reporting this disease	1	1		1	6	8	2	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	1	3	3	1	2
Species affected	B	B		B	B	B	B	B	B

Mpumalanga

Lydenburg: dr. Gustav Trümpelmann

Lumpy skin disease (B 1)

Gauteng

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

Lumpy skin disease (B 1)

Onderstepoort: drs. Harmse and Grobler

Lumpy skin disease (B 2)

North West

Leeudoringstad: dr. Ian Jonker

Lumpy skin disease (B 1)

Free State

Bethlehem: drs. Basson , Strydom and Strydom

Lumpy skin disease (B 1)

Harrismith: drs. Scheepers, Thirion and Nel

Lumpy skin disease (B 2)

Heilbron: dr. Piet van Zyl

Lumpy skin disease (B 1)

Parys: dr. Johan Wessels

Lumpy skin disease (B 1) One animal seen in a vaccinated commercial beef herd.

Reitz: dr. Murray Smith

Lumpy skin disease (B 1)

Viljoenskroon: dr. Johan Kahts

Lumpy skin disease (B 2)

KwaZulu-Natal**Bergville: drs. Ariena Shepherd and Robyn Hamman**

Lumpy skin disease (B 1) Only a single case seen but this unvaccinated cow presented with classical lumpy skin, with the diffuse urticaria (nodules) but she also had a severe haemorrhagic enteritis with subnormal temperature and lung oedema.

Creighton: dr. Graham Carr

Lumpy skin disease (B 2)

Dundee: dr. Tony Grace

Lumpy skin disease (B 3) Sporadic reports of large scale lesions in calves.

Estcourt: drs. Turner, Tedder, Taylor, Tratschler, Van Rooyen and Alwar

Lumpy skin disease (B 3)

Howick: dr. Stephen Hughes

Lumpy skin disease (B 3)

Mooi River: drs. Fowler, Hartley and Mallett

Lumpy skin disease (B 3) outbreaks in the thornveld.

Mtubatuba: dr. Trever Viljoen

Lumpy skin disease (B 2)

Underberg: drs. Collins, King and Delaney

Lumpy skin disease (B 3) big increase in fly population.

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

Lumpy skin outbreak (B 3) in the Thornhill area and vaccination programme instituted.

Stutterheim: dr. Dave Waterman

Lumpy skin disease (B 3) major outbreaks with severe economic impact. Complacency and not vaccinating created a susceptible population.

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

Lumpy skin disease (B 1)

Stellenbosch: dr. Alfred Kidd

Lumpy skin disease (B 2)

Wellington: dr. William van Zyl

Lumpy skin disease (B 1)

Northern Cape**Upington: dr. Ian Vorster**

Lumpy skin disease (B 2) in eastern Kalahari.

Pseudo Lumpy skin disease (Allerton virus)

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
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	Mpumala -langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease	2			2	3	7	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	3	2		
Species affected	B			B	B	B	B		

Mpumalanga

Nelspruit: dr. André Beytell

Three day stiff sickness (B 2)

Piet Retief: drs. Niebuhr and Weber

Three day stiff sickness (B 2)

North West

Christiana: dr. Pieter Nel

Three day stiff sickness (B 1)

Schweizer Reneke: dr. N.J.Heyns

Three day stiff sickness (B 2)

Free State

Reitz: dr. Murray Smith

Three day stiff sickness (B 3)

Viljoenskroon: dr. Johan Kahts

Three day stiff sickness (B 3)

Villiers: drs. Hattingh and Hauptfleisch

Three day stiff sickness (B 2)

KwaZulu-Natal

Bergville: drs. Ariena Shepherd and Robyn Hamman

Three day stiff sickness (B 2)

Dundee: drs. Anema and Marais

Three day stiff sickness (B 3) Mild cases with no mortalities, large numbers affected.

Estcourt: drs. Turner, Tedder, Taylor, Tratschler, Van Rooyen and Alwar

Three day stiff sickness (B 3)

Howick: dr. Stephen Hughes

Three day stiff sickness (B 3)

Mtubatuba: dr. Trever Viljoen

Three day stiff sickness (B 2)

Pietermaritzburg: dr. Rick Mapham

Three day stiff sickness (B 2)

Underberg: drs. Collins, King and Delaney

Three day stiff sickness (B 3) increased temperatures of unknown origin, cattle off milk and feed for short period (2 to 3 days).

Eastern Cape

Stutterheim: dr. Dave Waterman

Ephemeral fever (B 2) small outbreaks, not too serious.

Blue tongue

Province	Mpumala -langa	Gauteng	Limpopo	North West	FreeState	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
Vets reporting this disease	5	2	1	2	8	4	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	2	3	2	3	2	3	3	2	
Species affected	0	0	0	0	0	0	0	0	

Mpumalanga

Balfour: Balfour: dr. Louis van Jaarsveld

Blue tongue (O 2)

Ermelo: dr. Ben Potgieter

Blue tongue (O 1)

Lydenburg: dr. Gustav Trümpelmann

Blue tongue (O 1)

Piet Retief: drs. Niebuhr and Weber

Blue tongue (O 3)

Volksrust: dr. André Visser

Blue tongue (O 3) Many outbreaks and mortalities. No vaccine available.

Gauteng

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

Blue tongue (O 3)

Onderstepoort: drs. Harmse and Grobler

Blue tongue (O 3)

Limpopo

Polokwane: dr. Gavin Watson

Blue tongue (O 2) 8 sheep affected.

North West

Brits: dr. Lourens Coertze

Blue tongue (O 3) High temperatures and rainfall patterns led to a drastic increase in blue tongue cases from mid January. No mortalities to date.

Schweizer Reneke: dr. N.J. Heyns

Blue tongue (O 2)

Free State

Bethlehem: drs. Basson , Strydom and Strydom

Blue tongue (O 3) many mortalities.

Brits: dr. Lourens Coertze

Blue tongue (O 2)

Clocolan: dr. Liezel Wasserman

Blue tongue (O 3) severe.

Frankfort: dr. Dries Lessing

Blue tongue (O 3) 100 sheep affected

Heilbron: dr. Piet van Zyl

Blue tongue (O 2)

Reitz: dr. Murray Smith

Blue tongue (O 2)

Villiers: drs. Hattingh and Hauptfleisch

Blue tongue (O 2)

Winburg: dr. Eddie Albertyn

Blue tongue (O 2)

KwaZulu Natal

Bergville: drs. Ariena Shepherd and Robyn Hamman

Blue tongue (O 3) Severe facial oedema with mucosal ulcers, bilateral nasal discharge. Inflammation of the coronary band. Mortality around 10%. One of the affected farms has a good blue tongue vaccination status.

Dundee: drs. Anema and Marais

Blue tongue (O 2)

Dundee: dr. Tony Grace

Blue tongue (O 3) Severe mortalities are seen in unvaccinated young sheep. Torticollis, lung oedema, swollen lips and tongue, and very high fevers. Vaccinated older animals seem less severely affected and most recover with treatment – antipyretics and long acting penicillin.

Estcourt: drs. Turner, Tedder, Taylor, Tratschler, Van Rooyen and Alwar

Blue tongue (O 3)

Eastern Cape

Graaff-Reinet: dr. Roland Larson

Blue tongue (O 3) weaners mainly affected.

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

Blue tongue (O 2)

Stutterheim: dr. Dave Waterman

Blue tongue (O 3) odd cases do respond to treatment. Vaccine not available.

Western Cape

Caledon: dr. Ian Herbst

Blue tongue (O 2)

George: drs. Strydom, Truter and Pettifer

Blue tongue (O 3)

Oudtshoorn: dr. Glen Carlisle

Blue tongue (O 2) Been very hot lately, had sporadic rain in Dec 2012 which brought a large number of midges and mosquitoes. Blue tongue is rare in the Klein Karoo but this was an isolated severe case, confirmed on PCR with 20% of flock being affected but very few died. We had one confirmed case last year so the disease is incubating?

Vredenburg: dr. Izak Rust

Blue tongue (O 2) Three out of a 1000 sheep contracted blue tongue in the Hopefield area.

Rift Valley fever

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

Mtubatuba: dr. Trever Viljoen

Nagana (B 2)

Venereal diseases

Trichomonosis

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
Vets reporting this disease				2	6	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	3		
Species affected				B	B	B	B		

North West

Leeudoringstad: dr. Ian Jonker

Trichomonosis (B 3) Incidence increasing

Stella: dr. Magdaleen Vosser

Trichomonosis (B 3) in animals that were not tested for venereal diseases being bought in.

Free State

Hoopstad: dr. Kobus Pretorius

Trichomonosis (B 3) incidence widespread, treatment seems to be not as effective as in the past. Could there be resistance to treatment?

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

Trichomonosis (B 2) Have bulls tested for venereal diseases at the end of the breeding season as an early warning system for low conception rates.

Reitz: dr. Murray Smith

Trichomonosis (B 2)

Viljoenskroon: dr. Johan Kahts

Trichomonosis (B 2)

Villiers: drs. Hattingh and Hauptfleisch

Trichomonosis (B 3)

Winburg: dr. Eddie Albertyn

Trichomonosis (B 3) Herd had poor fertility. Used a scraper and gathered vaginal samples from heifers. 3 out of 10 and 8 out of 42 tested positive for *Trichomonas*. I am of the opinion that not all females rid themselves of *Trichomonas* therefore females should be tested as well.

KwaZulu-Natal

Bergville: drs. Ariena Shepherd and Robyn Hamman

Trichomonosis (B1)

Eastern Cape

Aliwal North: Casper Troskie

Trichomonosis (B 3)

Stutterheim: dr. Dave Waterman

Trichomonas routinely checked before mating - no cases.

Vibriosis

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
Vets reporting this disease				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				3	2	1	3		
Species affected				B	B	B	B		

North West

Leeudoringstad: dr. Ian Jonker

Vibriosis (B 3) Incidence increasing

Stella: dr. Magdaleen Vosser

Vibriosis (B 3) in animals that were not tested being bought in..

Viljoenskroon: dr. Johan Kahts

Vibriosis (B 2)

Free State

Hoopstad: dr. Kobus Pretorius

Vibriosis (B 2)

KwaZulu-Natal

Creighton: dr. Graham Carr

Vibriosis (B 1)

Eastern Cape

Aliwal North: Casper Troskie

Vibriosis (B 3)

Peestersiekte / Pizzle disease

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
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				3
Species affected					O				O

Free State

Hoopstad: dr. Kobus Pretorius

Peestersiekte (O 1)

Viljoenskroon: dr. Johan Kahts

Peestersiekte (O 1)

Northern Cape

Upington: dr. Ian Vorster

Peestersiekte (O 3) Treat rams with injectable long acting antibiotic (ask your vet) and acriflavine/glycerine treatment for 14 days. Still believes there is a genetic trait involved and selection for pizzle rot free rams should be done.

Bacterial diseases

Anthrax

Province	Mpuma-langa	Gauteng	Limpopo	North West	FreeState	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
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
Vets reporting this disease	4	1	1	1	6	6	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	3	2	2	1		
Species affected	B	B,C	B	B	B,O	B	O		

Mpumalanga

Balfour: dr. Louis van Jaarsveld

Blackquarter (B 3) in 6 to 7 months old calves that were not vaccinated.

Ermelo: dr. Ben Potgieter

Blackquarter (B 2)

Lydenburg: dr. Gustav Trümpelmann

Blackquarter (B 2) in 5 year old calves.

Middelburg: drs. Fourie and Barkhuizen

Blackquarter (B 2) Calves died due to *Clostridium chauvoei* infection before weaning. Cows were never vaccinated and therefore calves were susceptible at an early age. It may therefore be advisable to vaccinate calves before 5 months of age.

Volksrust: dr. André Visser

Swelled head (B 1)

Gauteng

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

Swelled head (B,C 2)

Limpopo

Polokwane: dr. Gavin Watson

Blackquarter (B 3)

North West

Leeudoringstad: dr. Ian Jonker

Blackquarter (B 3)

Free State

Bethlehem: drs. Basson , Strydom and Strydom

Blackquarter (B 2) occurred in older cows that have been vaccinated.

Harrismith: drs. Scheepers, Thirion and Nel

Swelled head (O 2)

Heilbron: dr. Piet van Zyl

Blackleg (B 2) A farmer had no mortalities due to blackquarter and as a result he did not vaccinate his animals. Now suddenly he had an outbreak.

Reitz: dr. Murray Smith

Blackquarter (B 2)

Villiers: drs. Hattingh and Hauptfleisch

Black quarter (B 3)

Swelled head (O 2)

Winburg: dr. Eddie Albertyn

Swelled head (B 3) in Holsteins brought into the area from the Eastern Cape.

KwaZulu-Natal

Bergville: drs. Ariena Shepherd and Robyn Hamman

Blackquarter (B 1)

Creighton: dr. Graham Carr

Blackquarter (B 2)

Dundee: dr. Tony Grace

Blackquarter (B 2)

Estcourt: drs. Turner, Tedder, Taylor, Tratschler, Van Rooyen and Alwar

Blackquarter (B 2)

Howick: dr. Stephen Hughes

Blackquarter (B 3)

Underberg: drs. Collins, King and Delaney

Blackquarter (B 1)

Swelled head (*Clostridium novyi* type A) (B 1)

Eastern Cape

Graaff-Reinet: dr. Roland Larson

Post partum gangrene (O 1) due to *Clostridium septicum*

Pulpy Kidney

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
Vets reporting this disease	1	1	1		5	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	1	2	2		2	2		2	2
Species affected	C	O,C	O		O,B	O		O	O

Mpumalanga

Nelspruit: dr. André Beytell

Pulpy kidney (C 1)

Gauteng

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

Pulpy kidney (O,C 2)

Limpopo

Polokwane: dr. Gavin Watson

Pulpy kidney (O 2)

North West

Stella: dr. Magdaleen Vosser

Pulpy kidney (O 1)

Ventersdorp: dr. Olaf Marais

Pulpy kidney (B 2)

Free State

Frankfort: dr. Dries Lessing

Pulpy kidney (O 1)

Hoopstad: dr. Kobus Pretorius

Pulpy kidney (B 3)

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

Pulpy kidney (O 2)

Reitz: dr. Murray Smith

Pulpy kidney (O 2)

Villiers: drs. Hattingh and Hauptfleisch

Pulpy kidney (O 2)

KwaZulu-Natal

Bergville: drs. Ariena Shepherd and Robyn Hamman

Pulpy kidney (O 2)

Western Cape

Beaufort-West: drs. Pienaar and Grobler

Pulpy kidney (O 2)

Oudtshoorn: dr. Glen Carlisle

Pulpy kidney (O1)

Northern Cape

Upington: dr. Ian Vorster

Pulpy kidney (O 2) occurred where sheep were taken from the veld and transferred to feed lots.

Lamb dysentery (*Clostridium perfringens* type B)

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
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,P) / Blood gut(O,C)

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free state	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
Vets reporting this disease					4		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	1		
Species affected					B,O	B	O,C,P		

Free State

Clocolan: dr. Liezel Wasserman

Red gut (B 1)

Frankfort – dr. Dries Lessing

Blood gut (O 2)

Reitz: dr. Murray Smith

Red gut (B 2)

Villiers: drs. Hattingh and Hauptfleisch

Red gut and blood gut (B,O 3)

KwaZulu-Natal

Estcourt: drs. Turner, Tedder, Taylor, Tratschler, Van Rooyen and Alwar

Red gut (B 1)

Eastern Cape

Graaff-Reinet: dr. Roland Larson

Blood gut (O 2) *Clostridium perfringens type A* Cases seen where stock had been vaccinated for pulpy kidney. Recommend using vaccines containing *C. perfringens type A*

Blood gut (C 1)

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

Red gut (P 1)

Tetanus

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

Free State

Villiers: drs. Hattingh and Hauptfleisch

Tetanus (O 1)

Botulism

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
Vets reporting this disease				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				2	3			1	1
Species affected				B	B			O	B

North West

Brits: dr. Lourens Coertze

Botulism (B 2)

Leeudoringstad: dr. Ian Jonker

Botulism (B 1)

Free State

Hoopstad: dr. Kobus Pretorius

Botulism (B 3)

Western Cape

Caledon: dr. Ian Herbst

Botulism (O 2) Sheep that were not vaccinated died when they consumed baled silage.

Northern Cape

Kathu: dr. Jan Vorster

Botulism (B 1) seen in one bovine where vaccination programme was not up to date.

Brucellosis (*Brucella abortus*)

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
Vets reporting this disease	1		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	2		3	3	3				
Species affected	B		B	B	B				

Mpumalanga

Balfour: dr. Louis van Jaarsveld

Brucellosis (B 2) in 3 herds.

Limpopo

Polokwane: dr. Gavin Watson

Brucellosis (B 3)

North West

Brits: dr. Lourens Coertze

Brucellosis (B 3) Brucellosis cases on the increase. Suspect it is due to more farmers testing their herds for this disease. Economic implications are very high.

Schweizer Reneke: dr. N.J.Heyns

Brucellosis (B 3) in 3 herds. In one herd 36% of cattle positive.

Stella: dr. Magdaleen Vosser

Brucellosis (B 3) mainly in beef and dairy cows. In heifers that were bought and raised as replacement heifers.

Free State

Frankfort: dr. Dries Lessing

Brucellosis (B 3)

Hoopstad: dr. Kobus Pretorius

Brucellosis (B 3) Incidence increasing

Reitz: dr. Murray Smith

Brucellosis (B 3)

Villiers: drs. Hattingh and Hauptfleisch

Brucellosis (B 2)

Johnes disease

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

Limpopo

Polokwane: dr. Gavin Watson

Johnes disease (B 2)

Ram disease (*Brucella ovis*)

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

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
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
Vets reporting this disease	1	1		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	1	1		3	3	2	2		
Species affected	B	P		B	B	B	P		

Mpumalanga

Volksrust: dr. André Visser

E. coli (B 1)

Gauteng

Onderstepoort: drs. Harmse and Grobler

E. coli (P 1)

North West

Stella: dr. Magdaleen Vosser

E. coli (B 3)

Free State

Viljoenskroon: dr. Johan Kahts

E. coli (B 3) in dairy calves.

KwaZulu-Natal

Estcourt: drs. Turner, Tedder, Taylor, Tratschler, Van Rooyen and Alwar

E. coli (B 2)

Underberg: drs. Collins, King and Delaney

E. coli (B 2)

Eastern Cape

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

E. coli (P 2)

Salmonellosis

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
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		1			
Species affected		B		B		B			

Gauteng

Onderstepoort: drs. Harmse and Grobler

Salmonellosis (B 1)

North West

Stella: dr. Magdaleen Vosser

Salmonellosis (B 3)

KwaZulu-Natal

Underberg: drs. Collins, King and Delaney

Salmonellosis (B 1)

Leptospirosis

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

Lumpy wool (*Dermatophilus*)

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

KwaZulu-Natal

Dundee: dr. Tony Grace

Dermatophilosis (C 3)

Enzootic abortion (*Chlamydophyla*)

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

Gauteng

Onderstepoort: drs. Harmse and Grobler

Tuberculosis (B 1)

North West

Brits: dr. Lourens Coertze

Tuberculosis (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
Vets reporting this disease					2	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		

Free State

Frankfort: dr. Dries Lessing

Snotsiekte (B 1)

Hoopstad: dr. Kobus Pretorius

Snotsiekte (B 1)

KwaZulu-Natal

Estcourt: drs. Turner, Tedder, Taylor, Tratschler, Van Rooyen and Alwar

Snotsiekte (B 3)

Mtubatuba: dr. Trever Viljoen

Snotsiekte (B 1)

Pietermaritzburg: dr. Rick Mapham

Snotsiekte (B 1) Sheep associated snotsiekte in riverine forest area.

Eastern Cape

Aliwal North: Casper Troskie

Snotsiekte (B 1) 3 cows died

BVD

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

Dundee: dr. Tony Grace

IBR (B 2)

BRSV (Bovine respiratory syncytial virus)

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

Enzootic Bovine Leukosis (EBL)

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
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		2		
Species affected					B		B		

Free State

Clocolan: dr. Liezel Wasserman

EBL (B 1)

Eastern Cape

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

EBL (B 2)

Warts & Orf

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
Vets reporting this disease	2	1	1	1	4	6	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	2	2	2	2	2	2	2	2	2
Species affected	B,C	C	C	C	B,C,O	B,O,C	O	O,B,C	C

Mpumalanga

Nelspruit: dr. André Beytell

Warts (B 2), Orf (C 2)

Volkstrust: dr. André Visser

Warts (B 1)

Gauteng

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

Orf (C 2)

Limpopo

Polokwane: dr. Gavin Watson

Orf (C 2)

North West

Brits: dr. Lourens Coertze

Orf (C 2)

Free State

Frankfort: dr. Dries Lessing

Warts (B 1)

Hoopstad: dr. Kobus Pretorius

Warts (B 1), Orf (O 1)

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

Orf (O 2)

Reitz: dr. Murray Smith

Warts (B 2)

KwaZulu-Natal

Creighton: dr. Graham Carr

Warts (B 1)

Dundee: drs. Anema and Marais

Orf (C 2)

Estcourt: drs. Turner, Tedder, Taylor, Tratschler, Van Rooyen and Alwar

Orf (O,C 2)

Mooi River: drs. Fowler, Hartley and Mallett

Orf (C 1)

Mtubatuba: dr. Trever Viljoen

Warts (B 2)

Underberg: drs. Collins, King and Delaney - Orf (O 1)

Eastern Cape

Aliwal North: Casper Troskie

Orf (O 2)

Western Cape

Caledon: dr. Ian Herbst

Orf (C 2)

Oudtshoorn: dr. Glen Carlisle

Orf (O 1)

Stellenbosch: dr. Alfred Kidd

Warts (B 2)

Northern Cape

Kathu: dr. Jan Vorster

Orf (C 2)

Rabies

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
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		2		
Species affected					B		B, Can		

Free State

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

Rabies (B 1)

Eastern Cape

Aliwal North: Casper Troskie

Rabies in a cow and 2 dogs

Jaagsiekte

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

West Nile Fever virus

Gauteng

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

West Nile fever – still seeing clinical cases showing paresis and incoordination in cattle. Usually they have a fever of 39 to 40°C and they improve after given a non steroidal anti-inflammatory drug. Few mortalities seen and farmers not willing to do a post mortem so that samples can be taken to confirm a diagnosis. Waiting for PCR and histological results in 2 cases.

Fungal Diseases

Ringworm

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
Vets reporting this disease	1	1		3	3	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	1	2		2	2	1	1	2	
Species affected	C	B		B	B	B	B	B	

Mpumalanga

Nelspruit: dr. André Beytell

Ringworm (C 1)

Gauteng

Onderstepoort: drs. Harmse and Grobler

Ringworm (B 2)

North West

Brits: dr. Lourens Coertze

Ringworm (B 1)

Christiana: dr. Pieter Nel

Ringworm (B 2)

Stella: dr. Magdaleen Vosser

Ringworm (B 2)

Free State

Harrismith: drs. Scheepers, Thirion and Nel

Ringworm (B 3)

Reitz: dr. Murray Smith

Ringworm (B 1)

Villiers: drs. Hattingh and Hauptfleisch

Ringworm (B 1)

KwaZulu-Natal

Creighton: dr. Graham Carr

Ringworm (B 1)

Estcourt: drs. Turner, Tedder, Taylor, Tratschler, Van Rooyen and Alwar

Ringworm (B 1)

Mtubatuba: dr. Trever Viljoen

Ringworm (B 2)

Underberg: drs. Collins, King and Delaney

Ringworm (B 1)

Eastern Cape

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

Ringworm (B 1)

Western Cape

Oudtshoorn: dr. Glen Carlisle

Ringworm (B 1)

Stellenbosch: dr. Alfred Kidd

Ringworm (B 2)

Diseases cause by protozoa

Coccidiosis

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
Vets reporting this disease	1	1			2	5	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			2	2	2	2	2
Species affected	C	O,C			O,C	B,O,C	B	O,C	B

Mpumalanga

Nelspruit: dr. André Beytell

Coccidiosis (C 2)

Gauteng

Onderstepoort: drs. Harmse and Grobler

Coccidiosis (O,C 3)

Free State

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

Coccidiosis (C 1)

Villiers: drs. Hattingh and Hauptfleisch

Coccidiosis (O,C 2)

KwaZulu-Natal

Dundee: drs. Anema and Marais

Coccidiosis (B 2)

Dundee: dr. Tony Grace

Coccidiosis (B,O 2)

Howick: dr. Stephen Hughes

Coccidiosis (B 3)

Mooi River: drs. Fowler, Hartley and Mallett

Coccidiosis (B,O 3)

Mtubatuba: dr. Trever Viljoen

Coccidiosis (O,C 2)

Eastern Cape

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

Coccidiosis (B 2)

Western Cape

Beaufort-West: drs. Pienaar and Grobler

Coccidiosis (O 2)

Oudtshoorn: dr. Glen Carlisle

Coccidiosis (O,C 2)

Other Protozoal diseases

Poisoning

Urea poisoning

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
Vets reporting this disease			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			2	3	1	2			
Species affected			B	B	B	B			

Limpopo

Polokwane: dr. Gavin Watson

Urea poisoning (B 2)

North West

Ventersdorp: Olaf Marais

Urea poisoning (B 3) 6 cattle died due to urea that was dissolved in a water source.

Free State

Villiers: drs. Hattingh and Hauptfleisch

Urea poisoning (B 1)

KwaZulu-Natal

Howick: dr. Stephen Hughes

Urea poisoning (B 2)

Tulip poisoning

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
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								0	

Western Cape

Beaufort-West: drs. Pienaar and Grobler

Tulip poisoning (0 2)

Lantana poisoning

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

Gifblaar poisoning

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

Senecio poisoning

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

North West

Leeudoringstad: dr. Ian Jonker

Cestrum poisoning (B 3)

Prussic acid poisoning

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
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					2				
Species affected					B,O				

Free State

Clocolan: dr. Liezel Wasserman

Prussic acid (O 2)

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

Prussic acid (B 1)

Acidosis

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

Gauteng

Onderstepoort: drs. Harmse and Grobler

Acidosis (B 3)

Western Cape

Wellington: dr. William van Zyl

Acidosis (O 3) due to sheep given pig rations.

Other poisonings

Mpumalanga

Lydenburg: dr. Gustav Trümpelmann

Sulfides in water due to excessive rainfall washing fertilizers into water sources.

Nelspruit: dr. André Beytell

Mycotoxicosis (B 1) in silage. At a dairy farm poor silage management was practised. Uncovered silage was not protected against the high rainfall. Moisture plus oxygen resulted in aerobic fermentation with excessive heat production and severe overgrowth of fungi. A 30-80% loss in milk production occurred in 30% of the herd. The specific mycotoxin was not identified.

Gauteng

Onderstepoort: drs. Harmse and Grobler

Ergot poisoning (B 1)

Limpopo

Vaalwater: dr. Hampie van Staden

Gousiekte (B 1)

North West

Leeudoringstad: dr. Ian Jonker

Geeldikkop (O 1)

Stella: dr. Magdaleen Vosser

Slangkop poisoning as a result of poor grazing conditions.

Free State

Harrismith: drs. Scheepers, Thirion and Nel

Lead poisoning (B) 7 cattle died after consuming lead plates of old battery at old farm house.
Photosensitization (O 2) few cases on farms where sheep are affected. We expect more cases in February.

Heilbron: dr. Piet van Zyl

Mycotoxigenesis (B 3) Silage on a farm was depleted. Silage was bought and transported with trucks to the farm. Silage remained on the truck for 7 days. When the silage was fed 40 cow died. There were histological defects in the brain and spinal cord. Research is ongoing to establish how long silage can be kept in the open before toxicity sets in.

KwaZulu-Natal

Dundee: drs. Anema and Marais

Gousiekte (O 2)

Underberg: drs. Collins, King and Delaney

Photosensitivity with facial exzema – due to plants and moulds?

Eastern Cape

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

Mycotoxigenesis (P 1)

Western Cape

Beaufort-West: drs. Pienaar and Grobler

Tribulus terrestris (duwweltjies) poisoning (O 2) Several cases with swollen heads and photosensitivity were seen. Important to keep affected sheep in the shade and provide symptomatic treatment.

Cardiac glycoside toxicity (O 3) Large losses of livestock due to this toxicity. Above average rainfall in spring and summer was a contributing factor. *Thesium lineatum* (witstorm) and *Ornithogalum toxicarium* poisoning suspected in most cases.

Caledon: dr. Ian Herbst

Plakkies (succulent plants) (O 1)

March lilies (B 1)

North West

Upington: dr. Ian Vorster

Horses died of colic when eating pods from an unknown tree.

Conditions caused by more than one organism or disease causing factor

Abortions and stillborn calves

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
Vets reporting this disease					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					2	3		2	
Species affected					B,O	B		B	

Free State

Heilbron: dr. Piet van Zyl

Abortions (B 2)

Hoopstad: dr. Kobus Pretorius

Abortions (B,O 3)

Villiers: drs. Hattingh and Hauptfleisch

Abortions (B 2)

KwaZulu-Natal

Creighton: dr. Graham Carr - Abortions (B 2)

Estcourt: drs. Turner, Tedder, Taylor, Tratschler, Van Rooyen and Alwar

Abortions (B 3)

Howick: dr. Stephen Hughes

Abortions (B 3)

Underberg: drs. Collins, King and Delaney

Abortions (B 2)

Western Cape

Stellenbosch: dr. Alfred Kidd

Abortions (B 2)

Poor Conception

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
Vets reporting this disease					4	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					2	2	2		
Species affected					O,B	B	B		

Free State

Harrismith: drs. Scheepers, Thirion and Nel

Poor conception (O 2)

Heilbron: dr. Piet van Zyl

Poor conception (B 1) A farmer had a conception rate of 40% in a cow herd of 600 animals. Bulls were tested for *Tritrichomonas* and *Campylobacter* before and after the breeding season and they were negative. A well balanced lick was given throughout the year and another cow herd on his other farm had a conception of 85%. The only difference was rainfall and the breeding season.

Questions that can be asked are: were bulls taken out too early according to fixed management programmes or shouldn't we take decisions based on rainfall? Could we expect grazing on the Highveld in November if it only starts raining in December and could we then expect females to conceive? The cows and heifers of farmers that do not have fixed breeding seasons will synchronize themselves to conceive in February and March! Can we learn something from this?

Hoopstad: dr. Kobus Pretorius

Poor conception (B,O 3)

Villiers: drs. Hattingh and Hauptfleisch

Poor conception (B 3)

KwaZulu-Natal

Bergville: drs. Ariena Shepherd and Robyn Hamman

Poor conception (B 1)

Estcourt: drs. Turner, Tedder, Taylor, Tratschler, Van Rooyen and Alwar

Poor conception (B 2)

Underberg: drs. Collins, King and Delaney

Poor conception (B 2)

Eastern Cape

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

Poor conception (B 2)

Fertility tests in bulls

Dystocia

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
Vets reporting this disease	3	1	1	2	6	5		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	1	1	3	2	2		2	2
Species affected	B	C	B	B	B,O	B,O		B,O	B,C

Mpumalanga

Ermelo: dr. Ben Potgieter

Dystocia (B 2)

Lydenburg: dr. Gustav Trümpelmann

Dystocia (B 3)

Piet Retief: drs. Niebuhr and Weber

Dystocia (B 1)

Gauteng

Onderstepoort: drs. Harmse and Grobler

Dystocia (C 1)

Limpopo

Polokwane: dr. Gavin Watson

Dystocia (B 2)

North West

Brits: dr. Lourens Coertze

Dystocia (B 2)

Christiana: dr. Pieter Nel

Dystocia (B 3) Still numerous cases probably due to a production lick being given.

Free State

Clocolan: dr. Liezel Wasserman

Dystocia (B,O 2)

Heilbron: dr. Piet van Zyl

Dystocia (B 1)

Hoopstad: dr. Kobus Pretorius

Dystocia (B 3)

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

Dystocia (B 2)

Ladybrand: drs. Van Hasselt and Blaauw

Dystocia (B 2)

Villiers: drs. Hattingh and Hauptfleisch

Dystocias (B 2)

KwaZulu-Natal

Dundee: drs. Anema and Marais

Dystocia (B 1)

Dundee: dr. Tony Grace

Dystocia (B 2)

Estcourt: drs. Turner, Tedder, Taylor, Tratschler, Van Rooyen and Alwar

Dystocia (B 2)

Howick: dr. Stephen Hughes

Dystocia (B 2)

Mooi River: drs. Fowler, Hartley and Mallett - Dystocia (B,O 3)

Western Cape

Beaufort-West: drs. Pienaar and Grobler

Dystocia (O 1)

George: drs. Strydom, Truter and Pettifer

Dystocia (B 2)

Northern Cape

Kathu: dr. Jan Vorster

Dystocia (B 2, C 1)

Metritis (Infection of the uterus)

Province	Mpumala -langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
Vets reporting this disease	1	1		1	2	6			
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance	1	1		2	2	2			
Species affected	B	P		B	B	B			

Mpumalanga

Volksrust: dr. André Visser

Metritis (B 1)

Gauteng

Onderstepoort: drs. Harmse and Grobler

Metritis (Swine 1)

North West

Brits: dr. Lourens Coertze

Metritis (B 2)

Free State

Clocolan: dr. Liezel Wasserman

Metritis (B 2)

Hoopstad: dr. Kobus Pretorius

Metritis (B 2)

KwaZulu-Natal

Bergville: drs. Ariena Shepherd and Robyn Hamman

Metritis (B 1)

Dundee: drs. Anema and Marais

Metritis (B 3) Numerous cases of severe metritis associated with left displaced abomasums.

Estcourt: drs. Turner, Tedder, Taylor, Tratschler, Van Rooyen and Alwar

Metritis (B 3)

Mooi River: drs. Fowler, Hartley and Mallett

Metritis (B 2)

Mtubatuba: dr. Trever Viljoen

Metritis (B 2)

Underberg: drs. Collins, King and Delaney

Metritis (B 1)

Retained placenta

Province	Mpumala -langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
Vets reporting this disease				1	2	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				2	3	2			
Species affected				B	B	B			

North West

Brits: dr. Lourens Coertze

Retained placenta (B 2)

Free State

Hoopstad: dr. Kobus Pretorius

Retained placenta (B 3)

Villiers: drs. Hattingh and Hauptfleisch

Retained placenta (B 2)

KwaZulu-Natal

Dundee: drs. Anema and Marais

Retained afterbirths (B 2)

Estcourt: drs. Turner, Tedder, Taylor, Tratschler, Van Rooyen and Alwar

Retained afterbirths (B 2)

Howick: dr. Stephen Hughes

Retained afterbirths (B 3)

Mtubatuba: dr. Trever Viljoen

Retained afterbirths (B 2)

Prolapses

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

Villiers: drs. Hattingh and Hauptfleisch

Prolapses (B,O 2)

Navel infections

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
Vets reporting this disease		1		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		1		2	1	1	1		
Species affected		B		B	B	B	B		

Gauteng

Onderstepoort: drs. Harmse and Grobler

Navel infections (B 1)

North West

Brits: dr. Lourens Coertze

Navel infection (B 2)

Stella: dr. Magdalen Vosser

Navel infections (B 2)

Free State

Villiers: drs. Hattingh and Hauptfleisch

Navel infection (B 1)

KwaZulu-Natal

Dundee: drs. Anema and Marais

Navel infections (B 1)

Underberg: drs. Collins, King and Delaney

Navel infections (B 1)

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

Navel infections (B 1)

Joint-ill/Arthritis

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
Vets reporting this disease	1	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	1	2		1	2	1		2	
Species affected	B	B,O		B	O	B		B,C	

Mpumalanga**Volksrust: dr. André Visser**

Arthritis (B 1)

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

Arthritis (B 1)

Onderstepoort: drs. Harmse and Grobler

Arthritis (B,O 2)

North West**Brits: dr. Lourens Coertze**

Arthritis (B 1)

Free State**Ladybrand: drs. Van Hasselt and Blaauw**

Arthritis (O 2)

KwaZulu-Natal**Underberg: drs. Collins, King and Delaney**

Arthritis (B 1)

Mastitis

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
Vets reporting this disease	1			1	2	6	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	2	3	3	3	
Species affected	O			B	B,O	B	B	B	

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

Blue udder (O 3) in kraaled sheep.

North West**Brits: dr. Lourens Coertze**

Mastitis (B 1)

Free State**Hoopstad: dr. Kobus Pretorius**

Mastitis (B 1)

Kroonstad: drs. Daffue, Eksteen, van Zyl and Van der Walt - Mastitis (O 2)

KwaZulu-Natal

Creighton: dr. Graham Carr

Mastitis (B 2)

Dundee: drs. Anema and Marais

Mastitis (B 3)

Estcourt: drs. Turner, Tedder, Taylor, Tratschler, Van Rooyen and Alwar

Mastitis (B 3) due to excessive wet and muddy conditions.

Howick: dr. Stephen Hughes

Mastitis (B 3) many cases.

Mooi River: drs. Fowler, Hartley and Mallett

Mastitis (B 3)

Mtubatuba: dr. Trever Viljoen

Mastitis (B 2)

Western Cape

Beaufort-West: drs. Pienaar and Grobler

Mastitis (C 2)

Caledon: dr. Ian Herbst

Mastitis (B 2)

George: drs. Strydom, Truter and Pettifer

Mastitis (B 3) Increase in mastitis cases due to wet season and summer stress.

Foot rot and lameness

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
Vets reporting this disease	1	2	1	2	6	8	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	3	3	3	3	3	2	2	
Species affected	B,O	B,O,C,S	B	B,O,C	B,O	B,O,C	O,C	B,O,C	

Mpumalanga

Lydenburg: dr. Gustav Trümpelmann

Lameness (B,O 2) footrot.

Volksrust: dr. André Visser

Lameness (B 1)

Gauteng

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

Lameness (B1)

Onderstepoort: drs. Harmse and Grobler

Lameness (B,O,C,S 3) due to wet weather.

Limpopo

Polokwane: dr. Gavin Watson

Lameness (B 3)

North West

Brits: dr. Lourens Coertze

Lameness (B,O,C 3)

Schweizer Reneke: dr. N.J.Heyns

Foot abscesses (O 3) Bont-legged ticks play a major role.

Free State

Bethlehem: drs. Basson , Strydom and Strydom

Lameness (O 3) footrot.

Harrismith: drs. Scheepers, Thirion and Nel

Lameness (O 2)

Hoopstad: dr. Kobus Pretorius

Lameness (B,O 3)

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

Lameness (B,O 3)

Ladybrand: drs. Van Hasselt and Blaauw

Lameness (B 3) 5 heavy bulls on numerous farms contracted foot rot. Rainfall increased in the last 6 weeks and there are many earth dams with muddy conditions.

Villiers: drs. Hattingh and Hauptfleisch

Lameness (B,O 2)

KwaZulu-Natal**Bergville: drs. Ariena Shepherd and Robyn Hamman**

Lameness (B,O 3)

Creighton: dr. Graham Carr

Lameness (B 3) Sole abscesses and white line disease still persisting - a hangover from a wet September to November

Dundee: drs. Anema and Marais

Lameness (B 3)

Dundee: dr. Tony Grace

Lameness (B,O 3)

Estcourt: drs. Turner, Tedder, Taylor, Tratschler, Van Rooyen and Alwar

Lameness (B,O,C 3) due to excessive wet and muddy conditions.

Mooi river: drs. Fowler, Hartley and Mallett

Lameness (B 2)

Mtubatuba: dr. Trever Viljoen

Lameness (B,C 3)

Underberg: drs. Collins, King and Delaney

Lameness (B 3) severe cases.

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

Lameness (O,C 2)

Western Cape**Beaufort-West: drs. Pienaar and Grobler**

Lameness (C 2)

Caledon: dr. Ian HerbstFoot rot (O 1) *Dichelobacter nodosus***George: drs. Strydom, Truter and Pettifer**

Lameness (B 2)

Bloat

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
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
Vets reporting this disease	2			2	3	6	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	
Species affected	B			B	B	B,O,C	B	B	

Mpumalanga

Balfour: dr. Louis van Jaarsveld

Diarrhoea (B 3) due to corona virus in 2 to 3 months old beef calves.

Ermelo: dr. Ben Potgieter

Diarrhoea (B 1)

North West

Brits: dr. Lourens Coertze

Diarrhoea (B 2)

Stella: dr. Magdaleen Vosser

Diarrhoea (B 3) in extensive beef herds where *E. coli* and *Salmonella* vaccines are not being used.

Free State

Frankfort: dr. Dries Lessing

Diarrhoea (B 3)

Ladybrand: drs. Van Hasselt and Blaauw

Diarrhoea (B 3) two farms with calves in muddy conditions with diarrhoea. Calves were treated and problem was solved. Important to look at drainage.

Villiers: drs. Hattingh and Hauptfleisch

Diarrhoea (B 1)

KwaZulu-Natal

Bergville: drs. Ariena Shepherd and Robyn Hamman

Diarrhoea (B,O,C 3)

Dundee: drs. Anema and Marais

Diarrhoea (B 2)

Estcourt: drs. Turner, Tedder, Taylor, Tratschler, Van Rooyen and Alwar

Diarrhoea (B 3)

Harrismith: drs. Scheepers, Thirion and Nel

Diarrhoea (B 3) in calves.

Mooi River: drs. Fowler, Hartley and Mallett

Diarrhoea (B 1)

Mtubatuba: dr. Trever Viljoen

Diarrhoea (B,C 2)

Eastern Cape

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

Diarrhoea (B 2)

Western Cape

Wellington: dr. William van Zyl

Diarrhoea (B 3) probably due to infection of the water source by water birds and geese. Awaiting laboratory reports.

Eye infection/Ophthalmia/Kerato-conjunctivitis

Province	Mpumalanga	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
Vets reporting this disease	5	2	1	2	9	9	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	3	3	3	3	3	3	2	3	3
Species affected	B,O	B,O,C	B	B,O	B,O,C	B,O,C	B,O,C,G	B	B.O.C

Mpumalanga

Balfour: dr. Louis van Jaarsveld

Ophthalmia (B 3) due to *Moraxella bovis* infection.

Ermelo: dr. Ben Potgieter

Ophthalmia (B,O 3) due to *Moraxella* and huge fly problem, advocate vaccination and a dipping programme.

Lydenburg: dr. Gustav Trümpelmann

Ophthalmia (B 3) *Moraxella*

Middelburg: drs. Fourie and Barkhuizen

Ophthalmia (B 2) Vaccines are available to control eye diseases and should be used where problems occur. If the infection is not healed after 3 weeks of treatment cancer of the eye should be considered and removal of the eye might be the solution.

Volksrust: dr. André Visser

Ophthalmia (B 2)

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

Ophthalmia (B,O,C 3)

Onderstepoort: drs. Harmse and Grobler

Ophthalmia (B 2) seasonal disease.

Limpopo**Polokwane: dr. Gavin Watson**

Ophthalmia (B 3)

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

Ophthalmia (B 3) due to *Moraxella*

Stella: dr. Magdaleen Vosser

Ophthalmia (B,O 3)

Free State**Clocolan: dr. Liezel Wasserman**

Ophthalmia (B,O 3) severe

Frankfort: dr. Dries Lessing

Ophthalmia (B 3)

Harrismith: drs. Scheepers, Thirion and Nel

Ophthalmia (B,O 3)

Heilbron: dr. Piet van Zyl

Ophthalmia (B,O 2) in intensive sheep farming operations. Severe infection in both eyes. Good reaction on tetracycline drops into the eyes or even injectable long acting tetracycline. For the sub-conjunctival injection consult your veterinarian

Hoopstad: dr. Kobus Pretorius

Ophthalmia (B,O,C 3)

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

Ophthalmia (B,C 2)

Ladybrand: drs. Van Hasselt and Blaauw

Ophthalmia (B 2) increased incidence on numerous farms. Fly population increased.

Villiers: drs. Hattingh and Hauptfleisch

Ophthalmia (B,O 2)

Winburg: dr. Eddie Albertyn

Ophthalmia (B,O 3)

KwaZulu-Natal**Bergville: drs. Ariena Shepherd and Robyn Hamman**

Ophthalmia (B 1)

Creighton: dr. Graham Carr

Ophthalmia (B 3) Large populations of nuisance flies assisting the spread of this disease.

Dundee: drs. Anema and Marais - Ophthalmia (B 3)

Dundee: dr. Tony Grace

Ophthalmia (B,O 2)

Estcourt: drs. Turner, Tedder, Taylor, Tratschler, Van Rooyen and Alwar

Ophthalmia (B 3)

Howick: dr. Stephen Hughes

Ophthalmia (B 3) Many cases.

Mooi River: drs. Fowler, Hartley and Mallett

Ophthalmia (B 3)

Mtubatuba: dr. Trever Viljoen

Ophthalmia (B,C 2)

Underberg: drs. Collins, King and Delaney

Ophthalmia (B 3) Fly population severe

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

Ophthalmia (O,C 2) many cases.

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

Ophthalmia (B 2, game) Keratitis due to dry, windy conditions in antelope, bushbuck, nyala and sable

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

Ophthalmia (B 3)

Oudtshoorn: dr. Glen Carlisle

Ophthalmia (B 1)

Stellenbosch: dr. Alfred Kidd

Ophthalmia (B 3) keratoconjunctivitis

Abscesses

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
Vets reporting this disease	1	1		2	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	1		3	3	2	3		
Species affected	B,O	B		B,O,C	B,O,C	B,C	B		

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

Abscesses (B,O 3)

Lydenburg: dr. Gustav Trümpelmann

Abscesses (O 2)

Gauteng**Onderstepoort: drs. Harmse and Grobler**

Abscesses (B 1) Preputial abscess.

North West**Brits: dr. Lourens Coertze**

Abscesses (C,O 3)

Stella: dr. Magdaleen Vosser

Abscesses (B,O 3)

Free State**Frankfort: dr. Dries Lessing**

Abscesses (B 3)

Hoopstad: dr. Kobus Pretorius

Abscesses (O 2)

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

Abscesses (B,O 3) Many problems due to bont-legged ticks attaching between claws and dew claws of cattle and sheep. Foot rot occurred in sheep. Isolate sheep with foot rot and treat them separately. Wet kraal is the source of infection.

KwaZulu-Natal**Bergville: drs. Ariena Shepherd and Robyn Hamman**

Abscesses (B 2)

Estcourt: drs. Turner, Tedder, Taylor, Tratschler, Van Rooyen and Alwar

Abscesses (B 2)

Mooi River: drs. Fowler, Hartley and Mallett

Abscesses (B 1)

Mtubatuba: dr. Trever Viljoen

Abscesses (B,C 2)

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

Abscesses (B 3)

Pneumonia

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
Vets reporting this disease	2			1	4	7	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	2			3	2	2	2	3	3
Species affected	B,C			O	B,O,C	B,O,C	B	B,O,C	O

Mpumalanga**Ermelo: dr. Ben Potgieter**

Pneumonia (B 1) Aspiration pneumonia

Middelburg: drs. Fourie and Barkhuizen

Pneumonia (B,C 2) Boergoats are better adapted to the drier western parts of the country. On the Highveld the animals are challenged by various parasites and kids regularly develop pneumonia. It is important that organisms causing the disease are isolated so that the correct vaccines could be given to the animals.

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

Pneumonia (O 3) pasteurellosis

Free State**Bethlehem: drs. Basson , Strydom and Strydom**

Pneumonia (O 3)

Clocolan: dr. Liezel Wasserman

Pneumonia (B 2)

Hoopstad: dr. Kobus Pretorius

Pneumonia (B,O,C 3)

Ladybrand: drs. Van Hasselt and Blaauw

Pneumonia (B 2)

KwaZulu-Natal**Bergville: drs. Ariena Shepherd and Robyn Hamman**

Pneumonia (B,O 2)

Creighton: dr. Graham Carr

Pneumonia (B 2)

Dundee: drs. Anema and Marais

Pneumonia (B 2)

Estcourt: drs. Turner, Tedder, Taylor, Tratschler, Van Rooyen and Alwar

Pneumonia (B 2)

Mooi River: drs. Fowler, Hartley and Mallett

Pneumonia (B,O 2)

Mtubatuba: dr. Trever Viljoen

Pneumonia (B,C 2)

Pietermaritzburg: dr. Rick Mapham

Bovine respiratory disease (B 3) occurred in poorly managed back grounded calves

Eastern Cape

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

Pneumonia (B 1)

Western Cape

Beaufort-West: drs. Pienaar and Grobler

Aspiration pneumonia (C 3) Due to poor dipping technique and diptank design, huge losses of Angora goats occurred due to aspiration of dip. Animals that were treated early with antibiotics and anti-inflammatory drugs survived.

Darling: dr. Jannie van der Merwe

Pneumonia (B 2) in oxen bought in.

Wellington: dr. William van Zyl

Pneumonia (O 3) due to *Trueperella (Corynebacterium) pyogenes* infection.

Northern Cape

Upington: dr. Ian Vorster

Pneumonia (O 3) due to pasteurellosis.

Downer cow

Gauteng

Onderstepoort: drs. Harmse and Grobler

Downer cow (B 1)

Hernia

Onderstepoort: drs. Harmse and Grobler

Inguinal hernia

Mismothering

Traumatic Reticuloperitonitis

Ulcers

Northern Cape

Upington: dr. Ian Vorster

Other conditions

Gauteng

Onderstepoort: drs. Harmse and Grobler

Patella fix (B 1)

Nutritional deficiencies

Macro feed

Protein

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

North West

Schweizer-Reneke: dr. N.J. Heyns

Protein deficiency (B 3) due to drought condition in certain areas.

Free State

Parys: dr. Johan Wessels

Excess protein: Sheep on high protein diet died of ketosis due to the low energy supply to the rumen microbes and low starch levels in ration generally.

KwaZulu-Natal

Underberg: drs. Collins, King and Delaney

NPN excess on pastures (B 3): Lush ryegrass going to seed with low magnesium value and energy deficiency. Dairy cows have low dry matter intake.

Energy

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

North West

Schweizer-Reneke: dr. N.J. Heyns

Energy deficiency (B 3) due to drought condition in certain areas.

KwaZulu-Natal

Underberg: drs. Collins, King and Delaney

NPN excess on pastures (B 3): Lush ryegrass going to seed with low magnesium value and energy deficiency. Dairy cows have low dry matter intake.

Phosphate

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
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					2	3			
Species affected					B	B			

Free State

Villiers: drs. Hattingh and Hauptfleisch

Phosphate deficiency (B 2)

KwaZulu-Natal

Underberg: drs. Collins, King and Delaney - Phosphate deficiency (B 3)

Calcium

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
Vets reporting this disease	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	2					3	2	2	
Species affected	B					B	B	B	

Mpumalanga

Middelburg: drs. Fourie and Barkhuizen

Calcium deficiency (B 2) Beef cattle with calves – cows are lame and develop bone fractures. The cows react well to calcium supplementation but the underlying problem could well be fluoride toxicity.

KwaZulu-Natal

Underberg: drs. Collins, King and Delaney

Calcium deficiency (B 3)

Eastern Cape

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

Calcium deficiency (B 2)

Western Cape

Oudtshoorn: dr. Glen Carlisle

Hypocalcaemia (B 2) two deaths in dairy cows. As a result of the rich lucern area of the Klein karoo the farmers insist on feeding lucern through all stages of pre and post partum to their detriment. For some reason hypocalcemia is more prevalent this year than before, probably related to good spring rain and fast growth of lucern, as well as very high temperatures stressing the high producers?

Magnesium

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

Underberg: drs. Collins, King and Delaney

NPN excess on pastures: Lush ryegrass going to seed with low magnesium value and energy deficiency. Dairy cows have low dry matter intake.

Other Micro feed conditions

Copper

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
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	2	1				3			
Species affected	B,O	B				B,O			

Mpumalanga

Ermelo: dr. Ben Potgieter

Copper deficiency (B,O 2) Copper level values in the Ermelo area lower than advocated levels.

Gauteng

Bronkhorstspuit: drs. Herman and Elmarie de Bruin and Marguerite Rudolph - Copper deficiency (B 1)

KwaZulu-Natal

Howick: dr. Stephen Hughes

Copper deficiency (O 2)

Underberg: drs. Collins, King and Delaney

Copper deficiency (B 3)

Selenium

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
Vets reporting this disease	1			2		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	2			2		2			
Species affected	B,O			O,E		B,O			

Mpumalanga

Ermelo: dr. Ben Potgieter

Selenium deficiency (B,O 2) blood values in the Ermelo area lower than advocated levels.

North West

Christiana: dr. Pieter Nel

Selenium deficiency (O 2)

Leeudoringstad: dr. Ian Jonker

Endurance horses were struggling – treated them with selenium and they recovered.

KwaZulu-Natal

Bergville: drs. Ariana Shepherd and Robyn Hamman

Selenium deficiency (B 1)

Estcourt: drs. Turner, Tedder, Taylor, Tratschler, Van Rooyen and Alwar

Selenium deficiency (B 2)

Howick: dr. Stephen Hughes

Selenium deficiency (O 2)

Underberg: drs. Collins, King and Delaney

Selenium deficiency (B 3)

Zinc

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

Vitamin A

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

North West

Christiana: dr. Pieter Nel

Vitamin A deficiency (B,O 3) Very dry conditions, in certain areas very low rainfall to date, temperature above 50 degrees celcius, grazing poor.

VitaminB 1 deficiency

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
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								0	

Mpumalanga

Lydenburg: dr. Gustav Trümpelmann

Vitamin B1 deficiency (O 2)

Vredenburg: dr. Izak Rust

Vitamin B1 deficiency on 3 farms where sheep are grazing on lupins. Sheep show nervous signs and recover after vitamin B 1 injections were given.

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

Management

Lightning

Predation

Game

Horses

Mpumalanga

Volksrust: dr. André Visser

African horsesickness (E 2) Outbreaks on 2 farms.

Biliary (E 1) one week old foal positive for *Babesia caballi*.

Gauteng

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

Horse sickness (E 2) 3 deaths, 2 confirmed with PCR.

Limpopo

Polokwane: dr. Gavin Watson

African horse sickness (E 1) 2 horses.

Free State

Parys: dr. Johan Wessels

Stud farm with history of *Rhodococcus equi* infection – month old foal has a seropurulent nasal discharge, fever, laboured breathing and loss of appetite. Treatment very seldomly successful. Confirmation of diagnosis in this case a post mortem.

KwaZulu-Natal

Camperdown: dr. Anthony van Tonder**Dundee: dr. Tony Grace**

African horse sickness: Large scale losses seen in unvaccinated horses. Some farmers under the wrong impression of when to vaccinate. Not enough being done to diagnose the strains involved etc.

Eastern Cape

Stutterheim

No horsesickness cases. Owners are vaccinating.



MEDIA STATEMENT

23 January 2013

VACCINATION OF HORSES TO CURB AFRICAN HORSE SICKNESS

The Department of Agriculture, Forestry and Fisheries continues to urge and encourage owners of horses to vaccinate their animals annually in an effort to curb the impact of African horse sickness (AHS).

AHS is a controlled animal disease in terms of the Animal Diseases Act, 1984 (Act No. 35 of 1984) and all suspected or confirmed cases have to be reported to the nearest State Veterinarian.

The disease is transmitted by *Culicoides* midges and not by direct spread from horse to horse. Favourable climatic conditions (summer rainfall) may increase the breeding and spread of the *Culicoides* vector.

Heavy rains preceded by a prolonged dry spell favour the occurrence of epidemics. The number of outbreaks decline after the first frost and normally the disease disappears abruptly in May.

Owners are encouraged to vaccinate their animals before the start of the rainy season to limit the impact of the disease. As an extra measure, it is advisable to stable horses for at least two hours before sunset and keep them stabled for at least two hours after sunrise as this is the period when *Culicoides* midges are most active and known to be feeding. *Culicoides* midges also colonize around stagnant water sources and efforts should be made to prevent pooling of water and to move animals away from water sources.

All horses in the country (except in the AHS free and surveillance zones in the Western Cape) have to be vaccinated annually using a registered vaccine at the cost of the owner. Currently, the AHS Vaccine from Onderstepoort Biological Products (Reg. No. G116, Act 36 of 1947) is the only registered vaccine.

For the 2013 cycle, the AHS reporting season started in September 2012 and will continue to August 2013. This reporting period is chosen because AHS normally occurs during the summer months; and from December to May in particular. During this season, forty three outbreaks of AHS were reported to date in the following provinces; Eastern Cape 19, Gauteng 9, KwaZulu-Natal 8, Mpumalanga 4 and North West 2.

DAFF declared an area in the Western Cape as an AHS controlled area and includes an AHS free area to facilitate trade. The current controlled area was adopted in 2001. Horses can be exported directly to the European Union from the AHS free area. In an effort to protect this area, all movements of horses to the controlled areas are subject to a State Veterinary movement control (permit) to prevent the introduction of the AHS virus into the free zone.

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Dogs

Mpumalanga

Volksrust: dr. André Visser

Rabies in a dog

Pigs

Poultry

Ostriches

Western Cape

Vredenburg: dr. Izak Rust

After rains ostriches are infested with wireworm.

Feedlot report

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

Cattle

Deaths occurred due to **blackquarter** in spite of good vaccination programmes. There were even cattle in the final feed programme that died. In one case *Clostridium septicum* was isolated.

Bovine malignant catarrh (snotsiekte) again caused losses.

Foot rot occurred in the very wet feed lots.

Deaths due to **red gut**, **bloat** and **pneumonia** occurred due to unfavourable weather conditions.

Tick transmitted diseases were responsible for numerous deaths.

The following were seen at abattoirs:

Parafilaria – cattle from the northern part of the country.

Measles – sporadic, mostly calcified lesions which indicate that infestation took place in the pre feed lot period.

Measels was seen in the livers of a large group of animals which most probably derived from jackal or dog tapeworms (*Taenia hydatigena*).

Condemnation of livers due to **liver fluke** occurred sporadically. In one case the intermediate hosts (snails) were found in the water reservoir of the feed lot.

Sheep

Numerous **orf** cases in groups of lambs that arrived at feed lots.

Pulpy kidney and **pneumonia** mortalities occurred in lambs arriving at feed lots.

Coccidiosis present in numerous feed lots.

Numerous lambs arrived at the feed lots with severe **wireworm** infestations.

The lungs of a group of lambs were condemned due to *Corynebacterium pseudotuberculosis* **abscesses**.

They had poor growth.

Laboratory reports

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

LHPG January, 2013 from IDEXX Laboratories

Deaths due to pneumonia occurred in sheep and goats in Mpumalanga, Middelburg district. *Mannheimia haemolytica* and *Staphylococcus intermedius* was isolated from a kid from one farm, and *Pasteurella multocida* and *Streptococcus ovis* was isolated from a lamb from another farm.

Streptococcus ovis is newly-described, and had been isolated from respiratory infections and abscesses in sheep. In this case, the lamb was only 3 weeks old, and showed lung abscessation.

It is very difficult to isolate *Brucella* from carriers. It is sometimes necessary to isolate the causative strain when there is doubt whether the vaccine strain is causing the serological reaction or whether the farm really is infected. The best sample in cattle is supermammary lymph nodes, obtained at slaughter. These must be collected with almost surgical sterility, because contaminants overgrow slowly growing *Brucella*, and then false negatives may occur. This month such a case occurred. Three lymph node samples were received. Two were very contaminated and were negative, but the third had virtually no contaminants, and *Brucella* was finally isolated 11 days later. Bacteria from chronic cases usually grow far more slowly than those from acute cases. *Brucella* usually grows within 6 days, and so this isolate took almost double the time to grow.

All of the available anthrax vaccines consist of spores of the Sterne strain of anthrax which is relatively safe. That the strain still has some virulence is illustrated in goats, where huge swellings can occur after administration. It is very difficult to sterilize and rid injection equipment of spores, as they are so resistant. If the same equipment is used to inject animals with water based vaccines or suspensions there is usually no problem, if a few anthrax vaccine spores are also present. However, if an oily suspension is injected, the oils often act as a type of adjuvant, and huge swellings can occur in all farm animals at the injection site. This contamination problem is often not recognized, because if the site is cultured, and a *Bacillus* is isolated, it is discarded by the laboratory as a contaminant. *Bacillus anthracis* and *Bacillus cereus* [a very common contaminant] are very closely related, and most laboratory results would not report such a finding. The usual laboratory tests cannot distinguish between them easily, but the PCR test available at the Onderstepoort Veterinary Institute can distinguish between them and also confirm whether the isolate is the vaccine strain or not.

It is important to remember this possibility when an adverse reaction occurs after the administration of an oily substance.

IDEXX laboratories, December, 2012

Monthly report from dr. Liza du Plessis, Idexx SA – Onderstepoort

Intestinal roundworms (O 2)

Heartwater ticks (B,O 3)

Heartwater (B,O 3)

Blue tongue (O 1)

Pulpy kidney (O 1)

Coccidiosis (O 1)

Orf (O 1)

Monthly Pathcare Vetlab report – Cape Town (1 to 8 February 2013) submitted by me. Jeanette Wentzel

Disease	Specie	District	Comment
Pleuropneumonia	Cattle	Numerous areas	
Hepatotoxicosis	Cattle	North West	
Bacterial enteritis	Cattle	Kimberley and other areas	
Neonatal Septicaemia	Cattle	North West	
Placentitis	Cattle	North West	
<i>Campylobacter</i>	Cattle	Country wide	Confirmed with PCR
<i>Trichostrongylus axei</i>	Cattle	Country wide	Confirmed with PCR
<i>Babesia</i>	Cattle	North West	
Heartwater	Cattle	North West	
Necrobacillosis	Cattle	Boland	
Salmonellosis	Cattle	North West	
Lymphosarcoma	Cattle	North West	Abomasum
Snotsiekte	Cattle	Eastern Cape	
Squamous cell carcinoma	Horses	Boland	
Sarcoid	Horses	Country wide	
Papilloma	Horses	Boland	
Rota virus	Horses	Boland	
Pneumonia	Sheep	Country wide	
Lungworm	Sheep	Eastern Cape	
Jaagsiekte	Sheep	Free State	
Pulpy kidney	Sheep	Country wide	
White muscle disease	Sheep	North West	
Pulpy kidney	Goats	North West	
Vit B1 deficiency	Goats	North West	
<i>Dermatophilus</i>	Goats	Eastern Cape	
Ketosis	Alpaca	Boland	
Yeast meningitis	Hartebeest	Kimberley	
Hypoproteinaemia	Roan antelope	North West	

Monthly report by dr. Annelize Jonker, Stellenbosch Provincial laboratory

General

Of note is the increase in *Pasteurella multocida* isolates in the Boland and *Mannheimia haemolytica* isolates in the Overberg this month. Previously 2 isolated cases were found during October-November 2012.

Bovine

Histophilus somni was isolated from the lung of a feedlot calf that died of acute pneumonia. *Trueperella (Arcanobacterium) pyogenes* was isolated from an abscess of the thymus of the same calf.

Trueperella (Arcanobacterium) pyogenes was isolated from the lung of an aborted bovine foetus. *Pasteurella multocida* was isolated from a lung sample from a 9 day old calf from the Stellenbosch area.

Campylobacter fetus was isolated from stomach content of a bovine foetus from the Malmesbury district. An unusual isolate at this laboratory.

Salmonella Dublin was isolated from organ and intestinal samples of 4-6 month old calves from the George area.

Salmonella Group I was isolated from intestinal and organ samples from a calf of unknown origin presented for necropsy.

Swine

Streptococcus suis was isolated from lung and bronchial lymph node samples of a pig from the Cape Town area.

Haemolytic *E. coli* was isolated from a small intestine sample of a 2-3 week old piglet from the Malmesbury area.

Pasteurella multocida was isolated from lung, spleen and peritoneal samples of a pig from the Cape Town area.

Ovine

Mannheimia haemolytica was isolated from two milk samples from sheep with blue udder from the Heidelberg area.

Mannheimia haemolytica and *Trueperella (Arcanobacterium) pyogenes* were isolated from lung samples of 3 sheep from the Caledon area.

Moraxella (Branhamella) ovis was isolated from eye swabs of cattle suffering from keratoconjunctivitis in the Beaufort West area.

Equine

Staphylococcus saprophyticus and an *Actinomyces* species were isolated from an abscess in a horse. *Staphylococcus saprophyticus* may colonise human and animal gastrointestinal tracts. It is well known as a cause of opportunistic urinary tract infections in humans. *Actinomyces* species are normal flora of the oral and gastro-intestinal tract mucous membranes, however several species have been implicated in pyogenic infections.

Camelid

Pasteurella multocida was isolated from a lung sample of an alpaca from the Wellington area.