

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

September 2013

Introduction and summary of diseases and other conditions during September 2013

82 Reports on animal health were received from veterinary practices in all provinces of South Africa.

Drought conditions are critical in many areas of the country. Reports were received of animals not able to rise as well of mortalities due to **protein, energy, vitamin and mineral deficiencies**.

A further complication is that there is a rise in diseases and other conditions due to the **suppression of the immune status** of animals eg. poor colostrum, metritis, retained placentas, ophthalmia and prolapses.

Advice should be sought from veterinarians and nutritionists how best to supply the necessary protein, energy, mineral and vitamin supplementations.

Poorly nourished animals are more vulnerable to **external and internal parasites** and therefore good observation for clinical signs of parasitism are essential. Signs to look for are anaemia, bottle jaw, weight loss and diarrhoea.

As there is widespread **resistance of parasites** to drugs consult your veterinarian to assist you in choosing the correct actives to treat these parasites.

I can recall the late professor Richard Reinecke telling his students that the biggest losses encountered in livestock due to parasitism were after a drought when it started raining. Worm larvae were prevalent on the short grass and immunity of animals were at their lowest.

Blue ticks were reported from 8 provinces and as a result **African and Asiatic red water** cases were reported from Mpumalanga, Gauteng, Limpopo, Free State, KwaZulu-Natal, Eastern and Western Cape. Calves should be vaccinated against both these diseases. Consult your veterinarian.

Reports of **anaplasmosis** were received from Mpumalanga, Gauteng, North West, Free State, KwaZulu-Natal, Eastern and Western Cape. This disease is transmitted by blue ticks, biting flies and injection needles. A vaccine is available and should be used. This disease is also stress related and many cases occur around calving.

It was reported that **heartwater** was more prevalent than usual and a case was even reported from an area in the Northern Cape where the disease has not occurred previously. Be aware that kudu and warthogs can carry the bont tick that is the vector of this disease.

Midges and flies have been noticed and as they are vectors of many diseases, reports

of **lumpy skin disease** have been received from Limpopo, KwaZulu-Natal and the Western Cape. Now is the time to update your vaccination program with your vet's assistance. Cattle should be vaccinated against lumpy skin disease and **Rift Valley fever** and bulls and dairy cows against **three day stiffness**, sheep against **blue tongue, Rift Valley fever** and in some instances against **Wesselsbron disease**. Remember to vaccinate your horses against **African horse sickness**.

Diseases that are diagnosed every month are **trichomonosis, vibriosis** and **brucellosis**. These diseases are causing losses of millions of Rand to farmers. Make sure that you follow strict biosecurity measures. Know the epidemiology of these diseases and how to control them. I would advise you to spend some time with your veterinarian to put measures in place to prevent an economic disaster.

Diseases reported that can be prevented by a vaccination program are for instance the **gasgangrene complex** (18 animals died on one farm), **red gut/ blood gut, botulism, tetanus, BVD** and **respiratory diseases**.

According to law you have to annually vaccinate your cattle against **anthrax** and heifers against **brucellosis** before the age of 8 months.

Abortions were reported by 36 veterinarians.

Due to the drought in many areas the only green plants are toxic plants and thus many reports of **plant poisoning** were received caused by tulip, gifblaar, Albizia, *Jatropha*, *Cynanchum*, *Thesium*, Kraalbos, lucerne, plakkies.

Other toxicosis reported were urea, copper, acidosis and lime poisoning.

For more information on these and other conditions read the full report.

Level of Reporting

82 Reports were received for September 2013:

Mpumalanga

Balfour – dr. Louis van Jaarsveld
Bethal – dr. Hardus Pieters
Delmas – dr. Johan Jooste
Ermelo – dr. Ben Potgieter
Lydenburg - dr. Gustav Trümpelmann
Middelburg – drs. Fourie and Barkhuizen
Nelspruit – dr. André Beytell
Standerton – dr. Kobie Kroon
Standerton – drs. Nel, Swart and Van der Merwe
Volksrust – dr. André Visser

Gauteng

Bronkhorstspuit - Drs. Herman and Elmarie de Bruin and Marguerite Rudolph
Onderstepoort Veterinary Faculty - Academic Hospital: prof. Shakespeare, drs.
Gratwick, Carrington, Blignaut and Harmse
Pretoria – dr. Hanneke Pienaar

Limpopo

Bela Bela – dr. Marius du Plooy
Machado (Louis Trichardt) – dr. Freddie Harris
Mokopane (Potgietersrus) - dr. Henk Visser
Polokwane (Pietersburg) – dr. Gavin Watson
Tzaneen – dr. Pieter Cordier
Vaalwater - dr. Hampie van Staden

North West

Christiana - dr. Pieter Nel
Leeudoringstad - dr. Ian Jonker
Lichtenburg – dr. C.M Kruger-Rall
Rustenburg- drs. Gaigher, Grobler, Sparks, Van Egom, Van Rooyen, Goosen and Van Rensburg
Schweizer-Reneke - dr. N.J. Heyns
Swartruggens – dr. Roselle Hartwigsen
Stella - dr. Magdaleen Vosser - Stella
Ventersdorp – dr. Oloff Marais
Vryburg – drs. Labuschagne and de Jager

Free State

Bloemfontein - dr. Stephan Wessels
Bultfontein -dr. Santjie Pieterse
Clocolan – drs Scholtz and Wasserman
Frankfort - dr. Dries Lessing
Harrismith - drs. Pretorius, Thirion and Nel
Heilbron – dr. Piet van Zyl
Hertzogville - drs. Hendrikz and Naudé
Hoopstad - dr. Kobus Pretorius
Kroonstad – drs. Daffue, Eksteen, Van Zyl and Van der Walt
Reitz - dr. Murray Smith
Viljoenskroon - dr. Johan Kahts
Villiers - drs. I. Hattingh and W.D. Hauptfleisch
Zastron – dr. Phillip Brandt

KwaZulu-Natal

Bergville - drs. Ariena Shepherd and Robyn Hamman
Creighton - drs. Carr and Myles
Dundee - dr. Tony Grace
Dundee – dr. Jacque Marais
Estcourt – Turner, Tedder, Taylor, Tratschler, Van Rooyen and Alwar
Howick - dr. Stephen Hughes
Mtubatuba - dr. Trever Viljoen
Pietermaritzburg – dr. Phillip Kretzmann
Pietermaritzburg – dr. Rick Mapham
Pongola - dr. Silke Pfitzer

Pongola – dr. Heinz Kohrs
Underberg - drs. Collins, King and Delaney

Eastern Cape

Alexandria - -dr. Johan Olivier
Aliwal North – drs. Troskie and Strauss
Cradock – dr. Frans Erasmus
Graaff-Reinet – dr. Mackie Hobson
Graaff- Reinet - dr. Roland Larson
Humansdorp - drs. Van Niekerk, Jansen Van Vuuren, Barber and Kotze
Middelburg – drs. Van Rooyen and Viljoen
Stutterheim – dr. Dave Waterman
Tsitsikamma – drs. Hoek, Lategan and McFarlane
Uitenhage – dr. Riaan Mulder

Western Cape

Beaufort West - drs. Pienaar and Grobler
Ceres – dr. Marc Walton
Darling – drs. Van der Merwe and Adam
George - drs. Strydom, Truter, and Pettifer
Malmesbury – dr. Otto Kriek
Malmesbury – dr. John Liebenberg
Plettenberg Bay – dr. André Reitz
Plettenberg Bay – drs. Tindall and Nell
Stellenbosch – dr. Alfred Kidd
Vredenburg - dr. Izak Rust
Wellington – dr. William van Zyl

Northern Cape

Kathu – dr. Jan Vorster
Upington - dr. Ian Vorster

Feed lot report

Drs. Shaun Morris and Eben du Preez

Laboratory reports

Dr. Marijke Henton - Idexx SA Johannesburg
Dr. Liza du Plessis – Idexx SA Onderstepoort
Dr. Annelize Jonker – State lab Stellenbosch
Dr. Lucy Lange – Pathcare Cape Town
Dr. J.H. Vorster - Vetdiagnostix Pietermaritzburg

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

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Internal parasites

Roundworms

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	4	4	3	5	
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	2	1	3	
Species affected	O,C	O,C	O,C	O	O	B,O,C	B,O	B,O	

Mpumalanga

Balfour: dr. Louis van Jaarsveld

Intestinal roundworms (O,C 2)

Standerton: dr. Kobie Kroon

Intestinal roundworms (O 3)

Standerton: drs. Nel, Swart and Van der Merwe

Intestinal roundworms (O 1)

Gauteng

Onderstepoort: drs. Gratwick, Shakespeare, Harmse, Carrington and Blignaut

Intestinal roundworms (O,C 3) mainly *Haemonchus*. Infestations did not seem to decrease this year.

Limpopo

Tzaneen: dr. Pieter Cordier

Intestinal roundworms (O,C 3) Mortalities in Boer goats and sheep due to heavy wireworm infestations after wet weather and cooler night temperatures. Animals are in poor condition. Wire worm resistance to the macrocyclic lactones and benzimidazoles was found.

North West

Rustenburg: dr. Gerald Gaigher

Intestinal roundworms (O 1)

Free State

Hertzogville: drs. Naude and Hendrikz

Intestinal roundworms (O 3)

Reitz: dr. Murray Smith

Intestinal roundworms (O 1)

Villiers: drs. Hattingh and Hauptfleisch

Intestinal roundworms (O 1) wireworm.

Zastron: dr. Philip Brandt

Intestinal roundworms (O 2)

KwaZulu-Natal

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

Intestinal roundworms (B 1)

Mtubatuba: dr. Trever Viljoen

Intestinal roundworms (B,C 2)

Pietermaritzburg: dr. Phillip Kretzmann

Intestinal roundworms (B 2)

Pongola: dr. Heinz Kohrs

Intestinal roundworms (B,O,C 2)

Eastern Cape

Cradock: dr. Frans Erasmus

Long-necked bankruptworm (B 1) one group of sheep with positive egg counts.

Humansdorp: drs. Van Niekerk, Jansen van Vuuren, Barker and Kotzé

Intestinal roundworms (B 2)

Middelburg: drs. Van Rooyen and Viljoen

Intestinal roundworms (O 1)

Western Cape

Darling: drs. Van der Merwe and Adam

Intestinal roundworms (O 2)

George: drs. Strydom, Truter and Pettifer

Intestinal roundworms (O 3)

Malmesbury: dr. John Liebenberg

Intestinal roundworms (O 3)

Stellenbosch: dr. Alfred Kidd

Intestinal roundworms (B 3) in beef cattle on grazing.

Wellington: dr. William van Zyl
Intestinal roundworms (O 3)

Resistant roundworms

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

Mpumalanga

Balfour: dr. Louis van Jaarsveld
Resistant roundworms (O,C 2)

Gauteng

Onderstepoort: drs. Gratwick, Shakespeare, Harmse, Carrington and Blignaut
Resistant roundworms (O 1)

Limpopo

Tzaneen: dr. Pieter Cordier
Resistant roundworms (O,C 2) resistant to the macrocyclic lactones and benzimidazoles.

Free State

Bloemfontein: dr. Stephan Wessels
Resistant roundworms (B 2)

Western Cape

George: drs. Strydom, Truter and Pettifer
Resistant roundworms (O 3)

Malmesbury: dr. John Liebenberg
Resistant roundworms (O 1)

Tapeworms

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

Mpumalanga

Balfour: dr. Louis van Jaarsveld
Tapeworms (O 1)

Gauteng

Bronkhorstspuit: drs. De Bruin, de Bruin and Rudolph
Tapeworms (O 1)

Onderstepoort: drs. Gratwick, Shakespeare, Harmse, Carrington and Blignaut
Tapeworms (O 1)

Free State

Bloemfontein: dr. Stephan Wessels

Tapeworms (O 2)

Reitz: dr. Murray Smith

Tapeworms (B 1)

Villiers: drs. Hattingh and Hauptfleisch

Tapeworms (O 1)

Eastern Cape

Aliwal North: drs. Troskie and Strauss

Tapeworms (O 1)

Western Cape

Wellington: dr. William van Zyl

Tapeworms (O 2)

Liver fluke worms

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

Mpumalanga

Middelburg: drs. Fourie and Barkhuizen

Liver fluke (B 2) Livers are still condemned at abattoirs even when the best anthelmintics are used. None of the remedies has a residual action and reinfestation takes place in animals before they are slaughtered.

Standerton: drs. Nel, Swart and Van der Merwe

Liver fluke (B 2)

Volkstrust: dr. André Visser

Liver fluke (O 1)

Gauteng

Bronkhorstspuit: drs. De Bruin, de Bruin and Rudolph

Liver fluke (B 2)

Free State

Harrismith: drs. Thirion, Nel and Pretorius

Liver fluke (B 2)

Hertzogville: drs. Naude en Hendrikz

Liver fluke (B 1)

Reitz: dr. Murray Smith

Liver fluke (B,O 2)

Villiers: drs. Hattingh and Hauptfleisch

Liver fluke (B,O 2)

KwaZulu Natal

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

Liver fluke (B 2)

Howick: dr. Stephen Hughes

Liver fluke (B 2)

Mtubatuba: dr. Trever Viljoen

Liver fluke (B 1)

Pietermaritzburg: dr. Phillip Kretzmann

Liver fluke (B 2)

Western Cape

Malmesbury: dr. John Liebenberg

Liver fluke (B 1)

Wellington: dr. William van Zyl

Liver fluke (B 1)

Conical fluke worms (Paramphistomosis)

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

Mpumalanga

Volksrust: dr. André Visser

Conical fluke (B 1)

North West

Stella: dr. Magdaleen Vosser

Conical fluke (B 1)

FreeState

Harrismith: drs. Thirion, Nel and Pretorius

Conical fluke (B 2)

Villiers: drs. Hattingh and Hauptfleisch

Conical fluke (B 2)

KwaZulu-Natal

Pietermaritzburg: dr. Phillip Kretzmann

Conical fluke worms (B 2)

Eastern Cape

Alexandria: dr. Johan Olivier

Conical fluke (B 2)

Aliwal North: drs. Troskie and Strauss

Conical fluke (B 1)

Western Cape

George: drs. Strydom, Truter and Pettifer

Conical fluke (O 3)

Parafilaria

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			3			2			

Species affected			B			B			
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Limpopo

Bela Bela: dr. Marius du Plooy

Parafilaria (B 3)

Machado: dr. Freddie Harris

Parafilaria (B 3)

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	5	1	3	1	5	5	1	2	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance	2	3	3	3	2	2	2	3	
Species affected	B	B,O,C	B	B	B	B	B,O	B	

Mpumalanga

Balfour: dr. Louis van Jaarsveld

Blue ticks (B 1)

Lydenburg: dr. Gustav Trümpelmann

Blue ticks (B 3)

Middelburg: drs. Fourie and Barkhuizen

Blue ticks (B 2) Due to hot weather the blue tick infestation has increased and good tick control is important.

Standerton: drs. Nel, Swart and Van der Merwe

Blue ticks (B 1)

Volkstrust: dr. André Visser

Blue ticks (B 3)

Gauteng

Onderstepoort: drs. Gratwick, Shakespeare, Harmse, Carrington and Blignaut

Blue ticks (B,O,C 3) Ticks are more active than usual this year.

Limpopo

Bela Bela: dr. Marius du Plooy

Blue ticks (B 3)

Mokopane: dr. Henk Visser

Blue ticks (B 3)

Tzaneen: dr. Pieter Cordier

Blue ticks (B 2)

North West

Rustenburg: dr. Gerald Gaigher

Blue ticks (B 3)

Free State

Clocolan: dr. Liezel Wasserman

Blue ticks (B 3)

Hertzogville: drs. Naudé and Hendrikz

Blue ticks (B 2)

Hoopstad: dr. Kobus Pretorius

Blue ticks (B 2)

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

Blue ticks (B 2)

Villiers: drs. Hattingh and Hauptfleisch

Blue ticks (B 1)

KwaZulu-Natal

Dundee: dr. Jacque Marais

Blue ticks (B 3)

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

Blue ticks (B 2)

Mtubatuba: dr. Trever Viljoen

Blue ticks (B 2)

Pietermaritzburg: dr. Phillip Kretzmann

Blue ticks (B 3)

Pongola: dr. Silke Pfitzer

Blue ticks (B 2)

Eastern Cape

Aliwal North: drs. Troskie and Strauss

Blue ticks (B,O 2)

Western Cape

George: drs. Strydom, Truter and Pettifer

Blue ticks (B 3)

Malmesbury: dr. John Liebenberg

Blue ticks (B 3)

Resistant ticks

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

Resistant blue ticks (B 2)

Tzaneen: dr. Pieter Cordier

Resistant blue ticks (1)

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	1	4	2	2	2	1		1
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance	2	3	2	3	3	2	2		3
Species affected	B	B,O,C 3	B	B	B,O	B	B,O		B

Mpumalanga

Standerton: drs. Nel, Swart and Van der Merwe

Bont-legged ticks (B 2)

Volksrust: dr. André Visser

Bont-legged ticks (B 2)

Gauteng

Onderstepoort: drs. Gratwick, Shakespeare, Harmse, Carrington and Blignaut

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

Limpopo

Bela Bela: dr. Marius du Plooy

Bont-legged ticks (B 3)

Machado: dr. Freddie Harris

Bont-legged ticks (B 1)

Polokwane dr. Gavin Watson

Bont-legged ticks (B 1)

Tzaneen: dr. Pieter Cordier

Bont-legged ticks (B 2)

North West

Schweizer-Reneke: dr. N.J. Heyns

Bont-legged ticks (B 3)

Ventersdorp: dr. Olaf Marais

Bont-legged ticks (B 3)

Free State

Clocolan: dr. Liezel Wasserman

Bont-legged ticks (B 3)

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

Bont-legged ticks(B,O 3)

KwaZulu-Natal

Dundee: dr. Jacque Marais

Bont-legged ticks (B 3)

Pongola: dr. Heinz Kohrs

Bont-legged ticks (B 1)

Eastern Cape

Cradock: dr. Frans Erasmus

Bont-legged ticks (B,O 2)

Northern Cape

Kathu: dr. Jan Vorster
Bont-legged ticks (B 3)

Red-legged 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						2			
Species affected						B			

KwaZulu-Natal

Pongola: dr. Silke Pfitzer
Red-legged tick (B 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		1	1						
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance		1	1						
Species affected		B	B						

Gauteng

Bronkhorstspuit: drs. De Bruin, de Bruin and Rudolph
Brown ear-ticks (B 1)

Limpopo

Tzaneen: dr. Pieter Cordier
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	1	2	5	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	3	3	3	3		2			
Species affected	B	B,O,C	B,O,C	B		B,O,C			

Mpumalanga

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

Gauteng

Onderstepoort: drs. Gratwick, Shakespeare, Harmse, Carrington and Blignaut
Bont ticks (B,O,C 3)

Pretoria: dr. Hanneke Pienaar
Bont ticks (O 2)

Limpopo

Machado: dr. Freddie Harris

Bont ticks (B,O,C 3)

Mokopane: dr. Henk Visser

Bont ticks (B 3)

Polokwane dr. Gavin Watson

Bont ticks (B 2)

Tzaneen: dr. Pieter Cordier

Bont ticks (B 2)

Vaalwater: dr. Hampie van Staden

Bont ticks (B 3)

North West

Rustenburg: dr. Gerald Gaigher

Bont ticks (B 3)

Stella: dr. Magdaleen Vosser

Bont ticks (B 3)

KwaZulu-Natal

Dundee: dr. Jacque Marais

Bont ticks (B 3)

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

Bont ticks (B,C 2)

Mtubatuba: dr. Trever Viljoen

Bont ticks (B,O,C 2)

Pietermaritzburg: dr. Phillip Kretzmann

Bont ticks (B 2)

Pongola: dr. Silke Pfitzer

Bont ticks (B 2)

Pongola: dr. Heinz Kohrs

Bont ticks (B,O,C 2)

Paralysis Ticks

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

Free State

Villiers: drs. Hattingh and Hauptfleisch

Paralysis ticks (O 2)

Eastern Cape

Aliwal North: drs. Troskie and Strauss

Paralysis ticks (O 1)

Middelburg: drs. Van Rooyen and Viljoen

Paralysis ticks (C 1)

Biting Lice

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
Vets reporting this disease	3	1		1	10	1	1	3	

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

Mpumalanga

Standerton: dr. Kobie Kroon

Biting lice (O 3)

Standerton: drs. Nel, Swart and Van der Merwe

Biting lice (B 3)

Volksrust: dr. André Visser

Biting lice (B 2)

Gauteng

Onderstepoort: drs. Gratwick, Shakespeare, Harmse, Carrington and Blignaut

Biting lice (C 1)

North West

Vryburg: drs. Labuschagne and de Jager

Biting lice (B 2)

Free State

Bloemfontein: dr. Stephan Wessels

Biting lice (B 3)

Bultfontein: dr. Santjie Pieterse

Biting lice (B 2)

Clocolan: dr. Liezel Wasserman

Biting lice (B 3)

Harrismith: drs. Thirion, Nel and Pretorius

Biting lice (B 2) Numerous farms had problems with biting lice. Cattle have hair loss especially in the neck area and cattle rub themselves against objects.

Hoopstad: dr. Kobus Pretorius

Biting lice (B 3)

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

Biting lice (B 3)

Reitz: dr. Murray Smith

Biting lice (O 1)

Viljoenskroon: dr. Johan Kahts

Biting lice (B 3)

Villiers: drs. Hattingh and Hauptfleisch

Biting lice (O 3)

Zastron: dr. Philip Brandt

Biting lice (B 2)

KwaZulu-Natal

Pongola: dr. Silke Pfitzer

Biting lice (O 1)

Eastern Cape

Graaff-Reinet: dr. Roland Larson

Biting lice (C 2)

Western Cape

Beaufort –West: drs. Pienaar and Grobler

Biting lice (O 3)

Stellenbosch: dr. Alfred Kidd

Biting lice (B 2)

Vredenburg: dr. Izak Rust

Biting lice (B 3)

Sucking Lice

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

Mpumalanga

Standerton: dr. Kobie Kroon

Sucking lice (B 3)

Standerton: drs. Nel, Swart and Van der Merwe

Sucking lice (B 1)

Volksrust: dr. André Visser

Sucking lice (B 2)

North West

Leeudoringstad: dr. Ian Jonker

Sucking lice (B 3)

Schweizer-Reneke: dr. N.J.Heyns

Sucking lice (B 1)

Free State

Bloemfontein: dr. Stephan Wessels

Sucking lice (B 3)

Clocolan: dr. Liezel Wasserman

Sucking lice (B 3)

Hertzogville: drs. Naude and Hendrikz

Sucking lice (B 3)

Hoopstad: dr. Kobus Pretorius

Sucking lice (O 1)

Zastron: dr. Philip Brandt

Sucking lice (B 2)

KwaZulu-Natal

Bergville: dr. Ariena Shepherd

Sucking lice (O 1)

Northern Cape

Kathu: dr. Jan Vorster

Sucking lice (B 2)

Fleas

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						

Limpopo

Tzaneen: dr. Pieter Cordier

Fleas (C 3)

Mites

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

Gauteng

Onderstepoort: drs. Gratwick, Shakespeare, Harmse, Carrington and Blignaut

Mites (B 1)

North West

Leeudoringstad: dr. Ian Jonker

Mange (B 3)

Lichtenburg: dr. CM Kruger-Rall

Sheep scab (O 3) 94 sheep affected.

Free State

Heilbron: dr. Piet van Zyl

Mites (O 2) scab

Hertzogville: drs. Naude and Hendrikz

Mites (O 1)

Reitz: dr. Murray Smith

Mites (O 1)

KwaZulu-Natal

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

Mites (O,C 2)

Underberg: drs. Collins, King and Delaney

Sarcoptic mange (B 3)

Eastern Cape

Middelburg: drs. Van Rooyen and Viljoen

Mites (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	1			2	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	3			

Species affected	B			B,O	O	B,O,C			
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Mpumalanga

Lydenburg: dr. Gustav Trümpelmann

Nuisance flies (B 3)

North West

Schweizer-Reneke: dr. N.J.Heyns

Nuisance flies (B 3) especially in dairies and feedlots.

Stella: dr. Magdaleen Vosser

Nuisance flies (B,O 3)

Free State

Hertzogville: drs. Naude and Hendrikz

Nuisance flies (O 2)

KwaZulu-Natal

Mtubatuba: dr. Trever Viljoen

Nuisance flies (B 2)

Pietermaritzburg: dr. Phillip Kretzmann

Nuisance flies (B,O,C 3)

Screw-worm

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						

Limpopo

Mokopane: dr. Henk Visser

Screw-worm (B 1)

Blowflies

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,O								

Mpumalanga

Standerton: drs. Nel, Swart and Van der Merwe

Blowflies (B,O 1)

Volkstrust: dr. André Visser

Blowflies (B,O 2)

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

Gauteng

Onderstepoort: drs. Gratwick, Shakespeare, Harmse, Carrington and Blignaut
Midges (B,O,C 3)

North West

Christiana: dr. Pieter Nel
Midges (B 3)

Free State

Bultfontein: dr. Santjie Pieterse
Midges (B 1)

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	2	1	2		1	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	2	2	2		2	2	1	3	
Species affected	B	B	B		B	B	B	B	

Mpumalanga

Lydenburg: dr. Gustav Trümpelmann
African red water (B 2) 3 calves died and treated numerous calves.
Middelburg: drs. Fourie and Barkhuizen
African red water (B 2)

Gauteng

Onderstepoort: drs. Gratwick, Shakespeare, Harmse, Carrington and Blignaut
African red water (B 2)

Limpopo

Bela Bela: dr. Marius du Plooy
African red water (B 1)
Machado: dr. Freddie Harris
African red water (B 2)

Free State

Frankfort: dr. Dries Lessing
African red water (B 2)

KwaZulu-Natal

Dundee: dr. Jacque Marais

African red water (B 2) Moderate severity.

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

African red water (B 3)

Mtubatuba: dr. Trever Viljoen

African red water (B 2)

Pietermaritzburg: dr. Phillip Kretzmann

African red water (B 3)

Pongola: dr. Heinz Kohrs

African red water (B 2)

Eastern Cape**Alexandria: dr. Johan Olivier**

African red water (B 1)

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

African red water (B 3) Typical seasonal peak.

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	2	2	1		2	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	1	1		2	2	3		
Species affected	B	B	B		B	B	B		

Mpumalanga**Middelburg: drs. Fourie and Barkhuizen**

Asiatic red water (B 2)

Standerton: dr. Kobie Kroon

Asiatic red water (B 2)

Gauteng**Bronkhorstspruit: drs. De Bruin, de Bruin and Rudolph**

Asiatic red water (B 1)

Onderstepoort: drs. Gratwick, Shakespeare, Harmse, Carrington and Blignaut

Asiatic red water (B 1)

Limpopo**Tzaneen: dr. Pieter Cordier**

Asiatic red water (B 1)

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

Asiatic red water (B 2)

Reitz: dr. Murray Smith

Asiatic red water (B 1)

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

Asiatic red water (B 1)

Creighton: dr. Graham Carr

Asiatic red water (B 2)

Dundee: dr. Tony Grace

Asiatic red water (B 2)

Dundee: dr. Jacque Marais

Asiatic red water (B 1)

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

Asiatic red water (B 3)

Pietermaritzburg: dr. Phillip Kretzmann

Asiatic red water (B 3)

Eastern Cape

Uitenhage: dr. Riaan Mulder

Asiatic red water (B 3) 10 animals out of 30 died.

Anaplasmosis

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
Vets reporting this disease	2	1		3	5	6	1	4	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance	1	2		2	2	2	3	3	
Species affected	B	B		B	B	B	B	B,O	

Mpumalanga

Middelburg: drs. Fourie and Barkhuizen

Anaplasmosis (B 1) This disease is stress associated and is rife on the Highveld.

Standerton: drs. Nel, Swart and Van der Merwe

Anaplasmosis (B 1)

Gauteng

Onderstepoort: drs. Gratwick, Shakespeare, Harmse, Carrington and Blignaut

Anaplasmosis (B 2)

North West

Christiana: dr. Pieter Nel

Anaplasmosis (B 3)

Rustenburg: dr. Gerald Gaigher

Anaplasmosis (B 1)

Vryburg: drs. Labuschagne and de Jager

Anaplasmosis (B 2)

Free State

Bloemfontein: dr. Stephan Wessels

Anaplasmosis (B 2)

Clocolan: dr. Liezel Wasserman

Anaplasmosis (B 3)

Hertzogville: drs. Naudé en Hendrikz

Anaplasmosis (B 1)

Hoopstad: dr. Kobus Pretorius

Anaplasmosis (B 3)

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

Anaplasmosis (B 2)

KwaZulu-Natal

Bergville: drs. Ariena Shepherd

Anaplasmosis (B 1)

Dundee: dr. Jacque Marais

Anaplasmosis (B 2)

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

Anaplasmosis (B 2)

Mtubatuba: dr. Trever Viljoen

Anaplasmosis (B 2)

Pietermaritzburg: dr. Phillip Kretzmann

Anaplasmosis (B 2)

Pongola: dr. Heinz Kohrs

Anaplasmosis (B 1)

Eastern Cape

Alexandria: dr. Johan Olivier

Anaplasmosis (B 3)

Western Cape

Beaufort West: drs. Pienaar and Grobler

Anaplasmosis (O 2) A Merino flock near Victoria West had severely high levels of copper in the liver. Presented animals were severely icteric. Bloodsmear also showed *Anaplasma ovis* (which can be regarded as incidental).

George: drs. Strydom, Truter and Pettifer

Anaplasmosis (B 3)

Malmesbury: dr. John Liebenberg

Anaplasmosis (B 3)

Stellenbosch: dr. Alfred Kidd

Anaplasmosis (B 2) in beef cattle.

Heartwater

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

Mpumalanga

Lydenburg: dr. Gustav Trümpelmann

Heartwater (B 1)

Gauteng

Onderstepoort: drs. Gratwick, Shakespeare, Harmse, Carrington and Blignaut

Heartwater (B,O,C 3) More prevalent than usual.

Pretoria: dr. Hanneke Pienaar

Heartwater (O 1)

Limpopo

Bela Bela: dr. Marius du Plooy

Heartwater (B 1)

Machado: dr. Freddie Harris
Heartwater (B,O,C 3) mostly in young animals.

Tzaneen: dr. Pieter Cordier
Heartwater (B 1)

North West

Stella: dr. Magdaleen Vosser
Heartwater (B,O 3)

Swartruggens: dr. Roselle Hartwigen
Heartwater (B 1)

KwaZulu-Natal

Estcourt: drs. Turner, Tedder, Taylor, Tratschler, Van Rooyen and Alwar
Heartwater (B 2)

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

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

Pongola: dr. Heinz Kohrs
Heartwater (B,O,C 2)

Eastern Cape

Humansdorp: drs. Van Niekerk, Jansen van Vuuren, Barker and Kotzé
Heartwater (B 1)

Northern Cape

Kathu: dr. Jan Vorster
Heartwater (O 2) Owner on smallholding complains about sheep having nervous symptoms. They bite their front legs and the fence. The head of a dead sheep was brought in. Pathcare sent samples to a reference laboratory. Heartwater was diagnosed on brain histology. This area is traditionally not a heartwater area. No foreign sheep was brought onto the property for the last two years. Movement of animals on neighbouring properties is unknown.

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	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			1			
Species affected		B	B			B			

Gauteng

Onderstepoort: drs. Gratwick, Shakespeare, Harmse, Carrington and Blignaut
Sweating sickness (B 1)

Limpopo

Bela Bela: dr. Marius du Plooy

Sweating disease (B 1)

Machado: dr. Freddie Harris

Sweating disease (B 1)

Tzaneen: dr. Pieter Cordier

Sweating sickness (B 1)

KwaZulu-Natal

Pongola: dr. Heinz Kohrs

Sweating disease (B 1)

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			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			1			2		2	
Species affected			B			B		B	

Limpopo

Machado: dr. Freddie Harris

Lumpy skin disease (B 1)

KwaZulu-Natal

Bergville: drs. Ariena Shepherd

Lumpy skin disease (B 2) Outbreaks on 2 farms.

Creighton: dr. Graham Carr

Lumpy skin disease (B 1)

Pietermaritzburg: dr. Rick Mapham

Lumpyskin disease (B 1) Culled a bull that had lumpy skin disease in summer and now has very poor quality semen.

Pongola: dr. Heinz Kohrs

Lumpy skin disease (B 3) Widespread in herds. Throughout the winter sporadically in Swaziland.

Western Cape

Malmesbury: dr. John Liebenberg

Lumpy skin disease (B 3)

Malmesbury: dr. Otto Kriek

Lumpy skin disease (B 2)

Stellenbosch: dr. Alfred Kidd

Lumpy skin disease (B 2) Friesian oxen were bought from a farmer who did not vaccinate his cattle.

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									
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									

Bovine ephemeral fever (Three day stiff sickness)

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

Blue tongue

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									

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									
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									

Venereal diseases

Trichomonosis

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
Vets reporting this disease	7		1	3	9	1	3	2	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance	3		3	3	2	1	2	1	
Species affected	B		B	B	B	B	B	B	

Mpumalanga

Bethal: dr. Hardus Pieters

Trichomonosis (B 3)

Ermelo: dr. Ben Potgieter

Trichomonosis (B 3) Numerous positive cases in September. Positive herds still present from last season. The possible reason is due to poor grazing conditions resulting in cows not cycling in September and October 2012 and not ridding themselves of trichomonosis.

Lydenburg: dr. Gustav Trümpelmann

Trichomonosis (B 3) eleven bulls tested positive in 2 herds.

Middelburg: drs. Fourie and Barkhuizen

Trichomonosis (B 3)

Standerton: dr. Kobie Kroon

Trichomonosis (B 3)

Standerton: drs. Nel, Swart and Van der Merwe

Trichomonosis (B 3)

Volksrust: dr. André Visser

Trichomonosis (B 1)

Limpopo**Polokwane: dr. Gavin Watson**

Trichomonosis (B 3) Bulls jumping fences.

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

Trichomonosis (B 3)

Stella: dr. Magdaleen Vosser

Trichomonosis (B 3)

Vryburg: drs. Labuschagne and de Jager

Trichomonosis (B 2) Identifying trichomonosis in more herds, thought they had been free of this disease. Non-veterinarians had tested many of these herds, suspect their technique taking samples and handling of samples were below par.

Free State**Bloemfontein: dr. Stephan Wessels**

Trichomonosis (B 2) In a herd where tests are done regularly, one bull tested positive.

Frankfort: dr. Dries Lessing

Trichomonosis (B 3) in a few herds.

Harrismith: drs. Thirion, Nel and Pretorius

Trichomonosis (B 2) Most of the herds presently tested are trichomonosis free. There are still a few herds that previously tested negative but a few bulls tested positive.

Hertzogville: drs. Hendrikz and Naudé

Trichomonosis (B 2)

Hoopstad: dr. Kobus Pretorius

Trichomonosis (B 3)

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

Trichomonosis (B 3)

Reitz: dr. Murray Smith

Trichomonosis (B 2)

Viljoenskroon: dr. Johan Kahts

Trichomonosis (B 2)

Villiers: drs. Hattingh and Hauptfleisch

Trichomonosis (B 3)

KwaZulu-Natal

Dundee: dr. Tony Grace

Trichomonosis (B 1)

Eastern Cape

Aliwal North: drs. Troskie and Strauss

Trichomonosis (B 1)

Humansdorp: drs. Van Niekerk, Jansen van Vuuren, Barker and Kotzé

Trichomonosis (B 3)

Tstsikamma: drs. Hoek and Mcfarlane

Trichomonosis (B 1)

Western Cape

Malmesbury: dr. John Liebenberg

Trichomonosis (B 1)

Wellington: dr. William van Zyl

Trichomonosis (B 1) Currently two bulls are positive and the rest of bulls tested still waiting for the results.

Vibriosis

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
Vets reporting this disease	1			3	5		2		
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance	2			2	2		2		
Species affected	B			B	B		B		

Mpumalanga

Lydenburg: dr. Gustav Trümpelmann

Vibriosis (B 2) 3 herds positive.

North West

Christiana: dr. Pieter Nel

Vibriosis (B 1)

Stella: dr. Magdaleen Vosser

Vibriosis (B 3)

Vryburg: drs. Labuschagne and de Jager

Vibriosis (B 2) Identifying vibriosis in more herds that thought they had been free of this disease. Non-veterinarians had tested many of these herds, suspect their technique taking samples and handling of samples were below par.

Free State

Bloemfontein: dr. Stephan Wessels

Vibriosis (B 2) Tested a new herd in the Wepener district – 4 bulls positive for vibriosis. In the Brandfort district tested one bull positive for vibriosis.

Clocolan: dr. Lizeel Wasserman

Vibriosis (B 2)

Frankfort: dr. Dries Lessing

Vibriosis (B 2) in a few bulls.

Hertzogville: drs. Hendrikz and Naudé

Vibriosis (B 1)

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

Vibriosis (B 2)

Eastern Cape

Humansdorp: drs. Van Niekerk, Jansen van Vuuren, Barker and Kotzé

Vibriosis (B 2)

Tstsikamma: drs. Hoek and Mcfarlane

Vibriosis (B 1)

Peestersiekte / Pizzle disease

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		C						O	

Gauteng

Bronkhorstspuit: drs. De Bruin, de Bruin and Rudolph

Pizzle disease (C 1)

Western Cape

Beaufort West: drs. Pienaar and Grobler

Peestersiekte (O 2)

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	5	2	3		8	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	1	2	2		2	1	2	3	
Species affected	B,O	B	B,O		B	B	B,C	O	

Mpumalanga

Bethal: dr. Hardus Pieters

Blackquarter (B 1)

Ermelo: dr. Ben Potgieter

Blackquarter (B 1)

Lydenburg: dr. Gustav Trümpelmann

Swelled head (O 2) 3 sheep died, many treated.

Standerton: drs. Nel, Swart and Van der Merwe

Swelled head (B 1)

Volksrust: dr. André Visser

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

Gauteng

Bronkhorstspuit: drs. De Bruin, de Bruin and Rudolph

Swelled head (B 2)

Onderstepoort: drs. Gratwick, Shakespeare, Harmse, Carrington and Blignaut

Blackleg (B 1)

Limpopo

Bela Bela: dr. Marius du Plooy

Gasgangerene (B 1) organism not identified.

Machado: dr. Freddie Harris

Blackquarter (B 3) numerous outbreaks, 18 young animals died on one farm.

Mokopane: dr. Henk Visser

Swelled head (O 1)

Free State

Clocolan: dr. Liezel Wasserman

Blackquarter (B 2)

Heilbron: dr. Piet van Zyl

Blackquarter (B 1)

Hertzogville: drs. Hendrikz and Naudé

Blackquarter (B 2)

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

Blackquarter (B 2)

Reitz: dr. Murray Smith

Blackquarter (B 1)

Viljoenskroon: dr. Johan Kahts

Blackquarter (B 1)

Villiers: drs. Hattingh and Hauptfleisch

Blackquarter (B 1)

Zastron: dr. Philip Brandt

Blackquarter (B 2)

KwaZulu-Natal

Bergville: drs. Ariena Shepherd

Blackquarter (B 1)

Creighton: dr. Graham Carr

Blackquarter (B 1)

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

Blackquarter (B 2)

Pongola: dr. Heinz Kohrs

Blackquarter (B 1)

Eastern Cape

Aliwal North: drs. Troskie and Strauss

Blackquarter (B 1)

Graaff-Reinet: dr. Mackie Hobson

Blackquarter (B,C 2)

Western Cape

Beaufort –West: drs. Pienaar and Grobler

Blackquarter (O 3)

Clostridial myositis (*Clostridium novyi* type B) The disease can cause quite severe losses in a flock in a very short period. One farmer lost over 50 Merinos in 2 to 3 days. The disease is seen mainly in unvaccinated flocks or flocks that are not vaccinated correctly (vaccinated once with no follow-up booster one month later in naive animals). There is also a general misconception that pulpy kidney is the only clostridial disease that we need to vaccinate against.

Pulpy Kidney

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
Vets reporting this disease		1		2	5	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		2	2	1	2		
Species affected		0		O,C	0	O,C	O,C		

Gauteng

Bronkhorstspuit: drs. De Bruin, de Bruin and Rudolph

Pulpy kidney (O 2)

North West

Christiana: dr. Pieter Nel

Pulpy kidney (O,C 3)

Leeudoringstad: dr. Ian Jonker

Pulpy kidney (O 1) sheep not vaccinated given additional nutrition.

Free State

Hertzogville: drs. Hendrikz and Naudé

Pulpy kidney (O 2)

Hoopstad: dr. Kobus Pretorius

Pulpy kidney (O 2)

Reitz: dr. Murray Smith

Pulpy kidney (O 3)

Villiers: drs. Hattingh and Hauptfleisch

Pulpy kidney (O 2)

Zastron: dr. Philip Brandt

Pulpy kidney (O 1)

KwaZulu-Natal

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

Pulpy kidney (O,C 1)

Eastern Cape

Aliwal North: drs. Troskie and Strauss

Pulpy kidney (O 1)

Graaff-Reinet: dr. Mackie Hobson

Pulpy kidney (O,C 3)

Middelburg: drs. Van Rooyen and Viljoen

Pulpy kidney (O,C 3) in lambs 3 to 4 weeks old.

Lamb dysentery (*Clostrium 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) / 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	2				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	2				2	2	2	2	
Species affected	O,B				B,O,C	B	O	O,C	

Mpumalanga

Balfour: dr. Louis van Jaarsveld

Blood gut (O 2)

Standerton: drs. Nel, Swart and Van der Merwe

Blood gut (O 1)

Red gut (B 1)

Free State

Bloemfontein: dr. Stephan Wessels

Red gut (B 2) in weaner calves on veld in Bloemfontein area and 8 calves died.

Clocolan: dr. Liezel Wasserman

Red gut (B 3)

Hertzogville: drs. Hendrik and Naudé

Blood gut (C 2)

Villiers: drs. Hattingh and Hauptfleisch

Blood gut (O 2)

KwaZulu-Natal

Dundee: dr. Jacque Marais

Red gut (B 1)

Howick: dr. Stephen Hughes

Red gut (B 2)

Eastern Cape

Graaff-Reinet: dr. Roland Larson

Blood gut (O 2) due to *Clostridium perfringens* A infection in weaner Boer goats on irrigated pastures.

Western Cape

Beaufort –West: drs. Pienaar and Grobler

Blood gut (O,C 2)

Tetanus

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

Mpumalanga

Volksrust: dr. André Visser

Tetanus (B,O 2)

North West

Schweizer-Reneke: dr. N.J.Heyns

Tetanus (O 3) in lambs due to wounds infected after tail docking and tagging of ears.

Free State

Hoopstad: dr. Kobus Pretorius

Tetanus (O 1)

Reitz: dr. Murray Smith

Tetanus (O 2)

KwaZulu-Natal

Bergville: dr. Ariena Shepherd

Tetanus (O 1)

Mtubatuba: dr. Trever Viljoen

Tetanus (C 1)

Western Cape

Beaufort –West: drs. Pienaar and Grobler

Tetanus (O 1)

Wellington: dr. William van Zyl

Tetanus (B 1)

Botulism

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

Mpumalanga

Standerton: drs. Nel, Swart and Van der Merwe

Botulism (B 1)

North West

Christiana: dr. Pieter Nel

Botulism (B 1)

Free State

Heilbron: dr. Piet van Zyl

Botulism (B 1)

Hertzogville: drs. Hendrikz and Naudé

Botulism (B 2)

Hoopstad: dr. Kobus Pretorius

Botulism (B 1)

Zastron: dr. Philip Brandt

Botulism (B 1)

Brucellosis (*Brucella abortus*)

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
Vets reporting this disease	2		2	3	10	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	1		1	
Species affected	B		B	B	B	B		B	

Mpumalanga**Bethal: dr. Hardus Pieters**

Brucellosis (B 3) Tested a beef herd last month where the average pregnancy rate was about 50%. There was a history of abortions. Results of tests: 86 animals for the first test positive for brucellosis out of 262 animals.

Delmas: dr. Johan Jooste

Brucellosis (B 3) the prevalence of this disease especially in Jerseys is very serious. Still new cases seen. Buying in of positive animals. Control of this disease not up to standard.

Limpopo**Polokwane: dr. Gavin Watson**

Brucellosis (B 3) Untested heifers bought at an auction which was later found to be positive for brucellosis. These heifers infected the rest of the herd.

Tzaneen: dr. Pieter Cordier

Brucellosis (B 1)

North West**Lichtenburg: dr. CM Kruger-Rall**

Brucellosis (B 3)

Stella: dr. Magdaleen Vosser

Brucellosis (B 3)

Vryburg: drs. Labuschagne and de Jager

Brucellosis (B 1)

Free State**Bloemfontein: dr. Stephan Wessels**

Brucellosis (B 3) in a beef herd in the Brandfort area had 14 cows with high titers during a routine examination and in a herd in the Jagersfontein area there are 8 cows with high titres.

Clocolan: dr. Liezel Wasserman

Brucellosis (B 3)

Frankfort: dr. Dries Lessing

Brucellosis (B 2) in two herds.

Hertzogville: drs. Hendrikz and Naudé

Brucellosis (B 3) due to speculation practices, farmers not slaughtering positive animals and farmers not testing their animals.

Heilbron: dr. Piet van Zyl

Brucellosis (B 2)

Hoopstad: dr. Kobus Pretorius

Brucellosis (B 3) increasing in the area.

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

Brucellosis (B 2)

Reitz: dr. Murray Smith

Brucellosis (B 3)

Viljoenskroon: dr. Johan Kahts

Brucellosis (B 3)

Villiers: drs. Hattingh and Hauptfleisch

Brucellosis (B 3)

KwaZulu-Natal**Pietermaritzburg: dr. Phillip Kretzmann**

Brucellosis (B 1)

Western Cape**Stellenbosch: dr. Alfred Kidd**

Brucellosis (B 1)

Johnes disease

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								

Mpumalanga**Standerton: drs. Nel, Swart and Van der Merwe**

Johnes disease (B 1)

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								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**

Ram disease (O 2)

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	3				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	2				2	2	1	2	
Species affected	B				B	B	B	B	

Mpumalanga

Balfour: dr. Louis van Jaarsveld

E. coli (B 1)

Lydenburg: dr. Gustav Trümpelmann

E. coli (B 2) in young calves (3 weeks old).

Volkstrust: dr. André Visser

E. coli (B 2)

Free State

Hertzogville: drs. Hendrikz and Naudé

E. coli (B 2)

KwaZulu-Natal

Creighton: dr. Graham Carr

E. coli (B 1)

Howick: dr. Stephen Hughes

E. coli (B 3)

Eastern Cape

Humansdorp: drs. Van Niekerk, Jansen van Vuuren, Barker and Kotzé

E. coli (B 1)

Western Cape

George: drs. Strydom, Truter and Pettifer

E. coli (B 3)

Malmesbury: dr. Otto Kriek

E. coli (B 2) Smooth colony *E. coli* was isolated by the lab.

Stellenbosch: dr. Alfred Kidd

E. coli (B 1)

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

Mpumalanga

Standerton: drs. Nel, Swart and Van der Merwe

Salmonellosis (B 1)

Free State

Viljoenskroon: dr. Johan Kahts

Salmonellosis (B 2)

KwaZulu-Natal

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

Salmonellosis (B 2)

Western Cape

Malmesbury: dr. John Liebenberg

Salmonellosis (B 3)

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								3	
Species affected								B	

Western Cape

Malmesbury: dr. John Liebenberg

Leptospirosis (B 3)

Lumpy wool (*Dermatophilus*)

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 abortion (*Chlamydothyla*)

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								O,C	

Beaufort West: drs. Pienaar and Grobler

Enzootic abortion (O,C 2) Several cases confirmed positive for enzootic abortion. Several reports of abortions were received but the diagnosis was made in lambs that died at one to two weeks of age.

Other Bacterial infections

Free State

Clocolan: dr. Liezel Wasserman

Wooden tongue in an Angus cow – *Actinobacillus liegnieresii* (B 1)

Western Cape

Stellenbosch: dr. Alfred Kidd

Actinomycosis (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	1	2	3	1	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	1	2		1	2	
Species affected	B	B	B	B	B		B	B	

Mpumalanga

Middelburg: drs. Fourie and Barkhuizen

BMC (B 3) The problem is worsening. Scientists at Onderstepoort says that in the short term there is no solution. A solution has been sought since 1960. At present the only solution is to stay far away from blue and black wildebeest.

Gauteng

Onderstepoort: drs. Gratwick, Shakespeare, Harmse, Carrington and Blignaut

BMC (B 2) BMC (B 2) Possible that wildebeest are stressed during the hunting season and shed the virus.

Limpopo

Machado: dr. Freddie Harris

BMC (B 2)

Mokopane: dr. Henk Visser

BMC (B 2)

Vaalwater: dr. Hampie van Staden

BMC (B 1)

North West

Leeudoringstad: dr. Ian Jonker

BMC (B 1)

Free State

Bloemfontein: dr. Stephan Wessels

BMC (B 1)

Clocolan: dr. Liezel Wasserman

BMC (B 2) Five cattle on three farms died.

Eastern Cape

Cradock: dr. Frans Erasmus

BMC (B1) wildebeest associated BMC confirmed.

Western Cape

George: drs. Strydom, Truter and Pettifer

BMC (B 2) Herd affected adjacent to a game farm with wildebeest. BMC wildebeest virus confirmed.

BVD

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

Species affected		B					B		
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Gauteng

Rayton: dr. Johan Jooste

BVD (B 1)

Eastern Cape

Middelburg: drs. Van Rooyen and Viljoen

BVD (B 1)

Tstsikamma: drs. Hoek and Mcfarlane

BVD (B 3) Outbreak occurred in a herd of 1400 cows. This is a new farm with cattle from different origins and unknown vaccination status. Farmer lost 32 heifers and 8 cows. Animals first present with a diarrhoea and later a respiratory component. Also two confirmed cases of mucosal disease on two other farms. Vaccination reduced clinical cases dramatically.

Infectious Bovine Rhinotracheitis (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	2	1		4	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance		3		3	2	1		3	
Species affected		B		B	B	B		B	

Gauteng

Onderstepoort: drs. Gratwick, Shakespeare, Harmse, Carrington and Blignaut
EBL (B 3)

North West

Ventersdorp: dr. Olaf Marais
EBL (B 3) Up to now 103 animals have died of EBL

Free State

Heilbron: dr. Piet van Zyl
EBL (B 1)
Viljoenskroon: dr. Johan Kahts
EBL (B 3)

KwaZulu-Natal

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

Western Cape

Darling: drs. Van der Merwe and Adam
EBL (B 3)

Malmesbury: dr. John Liebenberg
EBL (B 3)

Malmesbury: dr. Otto Kriek
EBL (B 3)

Stellenbosch: dr. Alfred Kidd
EBL (B 1) Incidentally diagnosed EBL when bleeding cattle for the purpose of selling cattle. This is a problem in many dairy herds and the importance of hygiene should be emphasized – sterilized needles, pregnancy diagnosis etc.

Warts & Orf

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

Mpumalanga

Ermelo: dr. Ben Potgieter
Warts (B 1)
Orf (O 1)

Standerton: dr. Kobie Kroon
Warts (B 2)

Sundra: dr. Johan Jooste
Warts (B 2)

Volksrust: dr. André Visser
Orf (C 1)

Gauteng

Onderstepoort: drs. Gratwick, Shakespeare, Harmse, Carrington and Blignaut
Orf (C 2)

Pretoria: dr. Hanneke Pienaar

Orf (O 2)

Limpopo

Machado: dr. Freddie Harris

Orf (C 3)

Mokopane: dr. Henk Visser

Warts (B 1)

Tzaneen: dr. Pieter Cordier

Warts (C 1)

North West

Rustenburg: dr. Gerald Gaigher

Warts (B 3)

Stella: dr. Magdaleen Vosser

Warts (B 3)

Free State

Bultfontein: dr. Santjie Pieterse

Warts (B 2)

Hertzogville: drs. Hendrikz and Naudé

Orf (C 2)

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

Orf (O 3)

Reitz: dr. Murray Smith

Orf (O 2)

Viljoenskroon: dr. Johan Kahts

Orf (C 2)

KwaZulu-Natal

Creighton: dr. Graham Carr

Warts (B 2)

Dundee: dr. Tony Grace

Warts (B 2)

Mtubatuba: dr. Trever Viljoen

Warts (B 2)

Pietermaritzburg: dr. Phillip Kretzmann

Warts (B 2)

Pongola: dr. Heinz Kohrs

Warts (B 1)

Orf (C 1)

Eastern Cape

Middelburg: drs. Van Rooyen and Viljoen

Orf (O,C 2)

Western Cape

Ceres: dr. Marc Walton

Warts (O 1) Papilloma virus skin lesions in a lamb.

Malmesbury: dr. John Liebenberg

Warts (B 3)

Wellington: dr. William van Zyl

Orf (O 1)

Rabies

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

Limpopo

Tzaneen: dr. Pieter Cordier

Rabies (1 dog)

Eastern Cape

Stutterheim: dr. Dave Watermann

Rabies case confirmed in a pet Boerboel on a farm in the Koemga area.

Uitenhage: dr. Riaan Mulder

Rabies (1 dog)

Jaagsiekte

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						

Limpopo

Bela Bela: dr. Marius du Plooy

Jaagsiekte (O 1)

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		4	6	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	3	1		2	2	2		2	
Species affected	B	O		B	B,O	B		B	

Mpumalanga

Standerton: dr. Kobie Kroon

Ringworm (B 3)

Gauteng

Pretoria: dr. Hanneke Pienaar

Ringworm (O 1)

North West

Christiana: dr. Pieter Nel

Ringworm (B 1)

Schweizer-Reneke: dr. N.J. Heyns

Ringworm (B 2) in calves.

Stella: dr. Magdaleen Vosser

Ringworm (B 3)

Swartruggens: dr. Roselle Hartwigsen

Ringworm (B 2)

Free State

Bultfontein: dr. Santjie Pieterse

Ringworm (B 2)

Hertzogville: drs. Hendrikz and Naudé

Ringworm (B 2)

Hoopstad: dr. Kobus Pretorius

Ringworm (B 3)

Reitz: dr. Murray Smith

Ringworm (B 2)

Viljoenskroon: dr. Johan Kahts

Ringworm (B, O 2)

Villiers: drs. Hattingh and Hauptfleisch

Ringworm (B 1)

KwaZulu-Natal

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

Ringworm (B 1)

Mtubatuba: dr. Trever Viljoen

Ringworm (B 2)

Western Cape

Darling: drs. Van der Merwe and Adam

Ringworm (B 2)

Malmesbury: dr. John Liebenberg

Ringworm (B 3)

Plettenberg Bay: drs. Indall and Nell

Ringworm (B 1) Recently weaned calves showing round lesions around face and neck. Positive on culture plate. About 20 out of 90 calves showed lesions.

Stellenbosch: dr. Alfred Kidd

Ringworm (B 1)

Fascial eczema

Eastern Cape

Uitenhage: dr. Riaan Mulder

Facial eczema (B 2) a few cases occurred on pastures, caused by fungus *Pithomyces chartarum*

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

Mpumalanga

Standerton: drs. Nel, Swart and Van der Merwe

Coccidiosis (B 1)

Volksrust: dr. André Visser

Coccidiosis (O 2)

Gauteng

Onderstepoort: drs. Gratwick, Shakespeare, Harmse, Carrington and Blignaut

Coccidiosis (O,C 2)

Pretoria: dr. Hanneke Pienaar

Coccidiosis (B 1)

North West

Lichtenburg: dr. CM Kruger-Rall

Coccidiosis (B 3)

Rustenburg: dr. Gerald Gaigher

Coccidiosis (O 1)

KwaZulu-Natal

Dundee: dr. Jacque Marais

Coccidiosis (B 3) Had severe outbreaks where clients are raising bull calves.

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

Coccidiosis (B 2)

Howick: dr. Stephen Hughes

Coccidiosis (B 2)

Mtubatuba: dr. Trever Viljoen

Coccidiosis (O,C 2)

Pietermaritzburg: dr. Phillip Kretzmann

Coccidiosis (B 2)

Eastern Cape

Graaff-Reinet: dr. Mackie Hobson

Coccidiosis (C 2)

Humansdorp: drs. Van Niekerk, Jansen van Vuuren, Barker and Kotzé

Coccidiosis (B 3)

Middelburg: drs. Van Rooyen and Viljoen

Coccidiosis (O 2)

Western Cape

Stellenbosch: dr. Alfred Kidd

Coccidiosis (B 1)

Cryptosporidiosis

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			

KwaZulu-Natal

Underberg: drs. Collins, King and Delaney

Cryptosporidiosis (B 3)

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			2	4		2		
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance	3			2	2		2		
Species affected	B			B	B,O		B,O		

Mpumalanga

Volksrust: dr. André Visser

Tulip poisoning (B 3)

North West

Lichtenburg: dr. CM Kruger-Rall

Urea poisoning (B 1)

Rustenburg: dr. Gerald Gaigher

Urea poisoning (B 3)

Free State

Bloemfontein: dr. Stephan Wessels

Urea poisoning (B 2) 22 heavy pregnant ewes died due to urea poisoning in the De Wetsdorp district.

Heilbron: dr. Piet van Zyl

Urea poisoning (B 1)

Hertzogville: drs. Hendrikz and Naudé

Urea poisoning (B 1)

Zastron: dr. Philip Brandt

Urea poisoning (O 2)

Eastern Cape

Aliwal North: drs. Troskie and Strauss

Urea poisoning (B 1)

Middelburg: drs. Van Rooyen and Viljoen

Urea poisoning (B,O 3)

Tulip poisoning

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free Sate	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
Vets reporting this disease	5	2			6	3	1	1	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance	2	2			2	2	2	3	
Species affected	B	B			B,O	B	B	B	

Mpumalanga

Balfour: dr. Louis van Jaarsveld

Tulip poisoning (B 2)

Bethal: dr. Hardus Pieters

Tulip poisoning (B 2)

Ermelo: dr. Ben Potgieter

Tulip poisoning (B 1)

Standerton: dr. Kobie Kroon

Tulip poisoning (B 3)

Standerton: drs. Nel, Swart and Van der Merwe

Tulip poisoning (B 3) in young animals grazing in vleis. In older cattle due to drought conditions, grazing shortage.

Gauteng

Bronkhorstspuit: drs. De Bruin, de Bruin and Rudolph

Tulip poisoning (B 2)

Onderstepoort: drs. Gratwick, Shakespeare, Harmse, Carrington and Blignaut

Tulip poisoning (B 2)

Free State

Clocolan: dr. Liezel Wasserman

Tulip poisoning (B 2)

Frankfort: dr. Dries Lessing

Tulip poisoning (B 2) 4 herds, cows as well.

Harrismith: drs. Thirion, Nel and Pretorius

Tulip poisoning (B 3) Tulips started growing early in August. Many tulips were present and farmers hardly had any problems. In September first green grass was seen and then many tulip poisonings and numerous deaths occurred.

Reitz: dr. Murray Smith

Tulip poisoning (B 3) With lack of rain the veld is not growing and the only green plants are tulips. Especially young animals and introduced animals are affected.

Viljoenskroon: dr. Johan Kahts

Tulip poisoning (B 2)

Villiers: drs. Hattingh and Hauptfleisch

Tulip poisoning (B,O 2)

KwaZulu-Natal

Bergville: drs. Ariena Shepherd

Tulip poisoning (B 2)

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

Tulip poisoning (B 3)

Howick: dr. Stephen Hughes

Tulip poisoning (B 2)

Eastern Cape

Uitenhage: dr. Riaan Mulder

Tulip poisoning (B 2)

Western Cape

George: drs. Strydom, Truter and Pettifer

Tulip poisoning (B 3) poor rainfall leading to poor grazing and animals eating anything green.

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									

Dichapetalum cymosum (Gifblaar) poisoning

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	2						
Species affected		B	B						

Gauteng

Bronkhorstspuit: drs. De Bruin, de Bruin and Rudolph

Gifblaar (B 3) numerous mortalities.

Limpopo

Vaalwater: dr. Hampie van Staden

Gifblaar (B 2)

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 – Ink berry

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							

Gauteng

Bronkhorstspuit: drs. De Bruin, de Bruin and Rudolph

Cestrum poisoning (B 1) due to drought conditions anything green is eaten.

Prussic acid poisoning

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

North West

Vryburg: drs. Labuschagne and de Jager

Prussic acid poisoning (O 1)

Western Cape

Darling: drs. Van der Merwe and Adam

Prussic acid poisoning (O 2)

George: drs. Strydom, Truter and Pettifer

Prussic acid poisoning (B 3) poor rainfall leading to poor grazing and animals eating anything that is green.

Acidosis

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

Mpumalanga

Lydenburg: dr. Gustav Trümpelmann

Acidosis (B 3) overeating of maize.

Limpopo

Machado: dr. Freddie Harris

Acidosis (B 1) cattle given maize without an adaptation period.

Free State

Bultfontein: dr. Santjie Pieterse

Acidosis (B 2) happened due to ignorance of farmer. Cattle kept in kraal and fed them only chop. Four animals went down with acidosis. Animals treated and they recovered.

KwaZulu-Natal

Pietermaritzburg: dr. Phillip Kretzmann

Acidosis (B 1)

Western Cape

Beaufort –West: drs. Pienaar and Grobler

Acidosis (O,C 2)

Northern Cape

Kathu: dr. Jan Vorster

Acidosis (B 2) Farmers try to look after their animals and due to ignorance they fill up the food troughs with an energy lick. Four head of cattle of one farmer died of acute rumenal acidosis.

Other poisonings

Mpumalanga

Nelspruit: dr. André Beytell

Albizia poisoning

Limpopo

Machado: dr. Freddie Harris

Albizia poisoning (B 3) The pods of *Albizia versicolor* (poison pod, grootblaar valsoring) and *A. tanganyicensis* (paper bark, papierbas valsoring) are associated with hypersensitivity, intermittent tetanic convulsions and mortality, mainly in cattle in Southern Africa.

North West

Brits: dr. Johan Jooste

Aflatoxin poisoning (B 3)

Schweizer-Reneke: dr. N.J.Heyns

Lucerne – frothy bloat (B 3) 12 animals died after eating wilted lucerne.

Free State

Clocolan: dr. Liezel Wasserman

Lime poisoning - Three horses at an endurance race were accidentally given feed lime instead of electrolytes. The lime caused erosions on the gums, tongues and possibly oesophagus. The mouths were washed out with water, drips were given. All horses recovered after treatment.

Silage poisoning – silage were packed in bags on a wagon and left in the sun for 2 to 3 days. After feeding cows 5 Holsteins died.

Heilbron: dr. Piet van Zyl

Chronic copper toxicity in dairy calves due to faulty inclusion level of copper in the ration.

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

Four weaner calves died of Chinese Privet tree poisoning.

KwaZulu-Natal

Pongola: dr. Heinz Kohrs

Jatropha poisoning in Swaziland (B 2) occurred on farm where *Jatropha* was previously cultivated. Pips were dumped on grazing. Cattle were hungry and ate some of the seeds and developed typical *Jatropha* toxicity i.e. black watery diarrhoea, lung infection, bronchitis and deaths occurred.

Eastern Cape

Alexandria: dr. Johan Olivier

Grass staggers (B) Typical symptoms. Organic fertilization with faecal water. Potassium too high with low magnesium value.

Graaff-Reinet: dr. Mackie Hobson

Krimpsiekte (plakkies) (C 2)

Humansdorp: drs. Van Niekerk, Jansen van Vuuren, Barker and Kotzé

Cynanchum sp. poisoning (B 1)

Copper poisoning (B 3) Liver biopsies showed that Friesian heifers had copper overload. They grazed on pastures that were fertilized with poultry faeces and they were raised in the Karoo.

Western Cape

Beaufort –West: drs. Pienaar and Grobler

Witstorm (*Thesium lineatum*) (B,O,C) In the Great Karoo area cardiac glycoside toxicity is mainly caused by *Thesium lineatum*. Several reports were received of animals dying suddenly with history of grazing in camps containing Witstorm or reports of animals presenting with a black diarrhoea. PM on animals that died suddenly of cardiac glycoside toxicity is mainly negative.

Kraalbos toxicity

Copper toxicity

Western Cape

Stellenbosch: dr. Alfred Kidd

Cerebral cortical necrosis (B 1) of unknown origin.

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	3	3	5	9	6	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	2	3	3	2	2	3	2	
Species affected	B	B	B,O,C	B	B,O	B,O	B,O,C	B,O,C	

Mpumalanga

Lydenburg: dr. Gustav Trümpelmann

Abortions (B 3) no diagnosis could be made.

Middelburg: drs. Fourie and Barkhuizen

Abortions (B 2)

Standerton: drs. Nel, Swart and Van der Merwe

Abortions (B 1) some cows are positive for brucellosis.

Gauteng

Bronkhorstspuit: drs. De Bruin, de Bruin and Rudolph

Abortions (B 1)

Heidelberg: dr. Johan Jooste

Abortions (B 3)

Onderstepoort: drs. Gratwick, Shakespeare, Harmse, Carrington and Blignaut

Abortions (B 1)

Limpopo

Bela Bela: dr. Marius du Plooy

Abortions (B,O 3)

Machado: dr. Freddie Harris

Abortions (B,O 3)

Tzaneen: dr. Pieter Cordier
Abortions (B,C 2)

North West

Brits: dr. Johan Jooste
Abortions (B 3)

Leeudoringstad: dr. Ian Jonker
Abortions (B 3)

Schweizer-Reneke: dr. N.J.Heyns
Abortions (B 3) mainly at 6,5 to 7 months of gestation.

Stella: dr. Magdaleen Vosser
Abortions (B 3)

Vryburg: drs. Labuschagne and de Jager
Abortions (B 1)

Free State

Bloemfontein: dr. Stephan Wessels
Abortions (B 2)

Clocolan: dr. Liezel Wasserman
Abortions (B 3)

Heilbron: dr. Piet van Zyl
Abortions (B 2)

Hertzogville: drs. Hendrikz and Naudé
Abortions (B 2)

Hoopstad: dr. Kobus Pretorius
Abortions (B 3, O 2)

Kroonstad: drs. Daffue, Eksteen, van Zyl and Van der Walt
Abortions (B 2)

Reitz: dr. Murray Smith
Abortions (B 2)

Viljoenskroon: dr. Johan Kahts
Abortions (B,O 3)

Villiers: drs. Hattingh and Hauptfleisch
Abortions (B,O 2)

KwaZulu-Natal

Bergville: drs. Ariena Shepherd
Abortions (B 1)

Dundee: dr. Tony Grace
Abortions (B,O 2)

Estcourt: drs. Turner, Tedder, Taylor, Tratschler, Van Rooyen and Alwar
Abortions (B 2)

Mtubatuba: dr. Trever Viljoen
Abortions (B 2)

Pietermaritzburg: dr. Phillip Kretzmann
Abortions (B 2)

Underberg: drs. Collins, King and Delaney
Abortions (B 2)

Eastern Cape

Alexandria: dr. Johan Olivier

Abortions (B 2)

Graaff-Reinet: dr. Mackie Hobson

Abortions (C 3) due to energy deficiency.

Humansdorp: drs. Van Niekerk, Jansen van Vuuren, Barker and Kotzé

Abortions (B 2)

Middelburg: drs. Van Rooyen and Viljoen

Abortions (O 3)

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

Abortions (O,C 2)

George: drs. Strydom, Truter and Pettifer

Abortions (B 3) Big headache as the cause of abortion is seldom established. Suspect nutritional problem.

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

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

Poor conception (B 3)

Volksrust: dr. André Visser

Poor conception (O 1)

Gauteng**Bronkhorstspuit: drs. De Bruin, de Bruin and Rudolph**

Poor conception (B 1)

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

Poor conception (B 3)

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

Poor conception (B 3)

Hoopstad: dr. Kobus Pretorius

Poor conception (B 2)

Villiers: drs. Hattingh and Hauptfleisch

Poor conception (B,O 2)

KwaZulu-Natal**Howick: dr. Stephen Hughes**

Poor conception (B 3)

Underberg: drs. Collins, King and Delaney

Poor conception (B 3) A large number of dairy herds that bred for a seasonal batch-calving in autumn had miserable conception rates. Causes are multifactorial, however, inadequate “MANAGEMENT” of very large herd numbers can be comfortably blamed for most.

The dry cow nutrition is also often inadequate and primordial oocytes/follicles are compromised by high NEFA levels and other factors. Insufficient : Fibre fibre fibre!

Dystocia

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
Vets reporting this disease	5	3	3	6	12	10	5	5	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	3	2	2	2	3
Species affected	B,O	B,O	B,C	B,O	B,O	B,O	B,O	B	B,O

Mpumalanga

Balfour: dr. Louis van Jaarsveld

Dystocias (B 3)

Bethal: dr. Hardus Pieters

Dystocias (B 2)

Ermelo: dr. Ben Potgieter

Dystocias (B 3) Heavy pregnant cows on harvested maize fields lead to excessive foetal growth during July to September.

Standerton: drs. Nel, Swart and Van der Merwe

Dystocias (B 2)

Volksrust: dr. André Visser

Dystocias (B,O 2)

Gauteng

Bronkhorstspuit: drs. De Bruin, de Bruin and Rudolph

Dystocias (B 3)

Onderstepoort: drs. Gratwick, Shakespeare, Harmse, Carrington and Blignaut

Dystocias (B,O 3)

Pretoria: dr. Hanneke Pienaar

Dystocia (O 2) Deviation of head and uterine prolapse.

Limpopo

Bela Bela: dr. Marius du Plooy

Abortions (B 3)

Tzaneen: dr. Pieter Cordier

Dystocia (B,C 2)

Vaalwater: dr. Hampie van Staden

Dystocia (B 2)

North West

Christiana: dr. Pieter Nel

Dystocias (B 3)

Rustenburg: dr. Gerald Gaigher

Dystocia (B 3) Animals in poor condition.

Stella: dr. Magdaleen Vosser

Dystocias (B 2)

Swartruggens: dr. Roselle Hartwigsen

Dystocias (B 1)

Ventersdorp: dr. Olaf Marais

Dystocia (B 3)

Vryburg: drs. Labuschagne and de Jager

Dystocias (B,O 2)

Free State

Bloemfontein: dr. Stephan Wessels

Dystocias (B 2)

Bultfontein: dr. Santjie Pieterse

Dystocia (B 2)

Clocolan: dr. Liezel Wasserman

Dystocias (B 3)

Harrismith: drs. Thirion, Nel and Pretorius

Dystocias (B 3) due to pregnant cows even in harvested maize fields. Cows in good condition with large foetuses.

Heilbron: dr. Piet van Zyl

Dystocia (B 2)

Hertzogville: drs. Hendrikz and Naudé

Dystocias (B,O 3) Heifers covered by bulls giving large calves; energy deficiency, heifers with too much fat in birth canal.

Hoopstad: dr. Kobus Pretorius

Dystocias (B 3)

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

Dystocias (B 3)

Reitz: dr. Murray Smith

Dytocias (B 3)

Viljoenskroon: dr. Johan Kahts

Dystocias (B 3)

Villiers: drs. Hattingh and Hauptfleisch

Dystocia (B 3)

Zastron: dr. Philip Brandt

Dystocias (B 2)

KwaZulu-Natal

Bergville: drs. Ariena Shepherd

Dystocias (B 2)

Dundee: dr. Tony Grace

Dystocias (B,O 2)

Dundee: dr. Jacque Marais

Dystocias (B,O 2)

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

Dystocias (B 3)

Howick: dr. Stephen Hughes

Dystocias (B 3)

Mtubatuba: dr. Trever Viljoen

Dystocias (B 2)

Pietermaritzburg: dr. Phillip Kretzmann

Dystocias (B 3)

Pietermaritzburg: dr. Rick Mapham

Dystocias (B2)

Pongola: dr. Heinz Kohrs

Dystocia (B 1)

Underberg: drs. Collins, King and Delaney

Dystocias (B 3) in beef and dairy heifers. Overfed heifers lead to oversized foetus/calves.

Eastern Cape

Alexandria: dr. Johan Olivier

Dystocias (B 2)

Aliwal North: drs. Troskie and Strauss

Dohne Merino ewes with twins are two weeks over lambing date. Lambs are larger than normal and the uteri are very flaccid, have no tonus.

Humansdorp: drs. Van Niekerk, Jansen van Vuuren, Barker and Kotzé

Dystocias (B 3)

Graaff-Reinet: dr. Roland Larson

Dystocias (B 1)

Middelburg: drs. Van Rooyen and Viljoen

Dystocias (B 2)

Western Cape

Ceres: dr. Marc Walton

Dystocias (B 3) including one mummified fetus.

Darling: drs. Van der Merwe and Adam

Dystocias (B 2)

George: drs. Strydom, Truter and Pettifer

Dystocias (B 2)

Vredenburg: dr. Izak Rust

Dystocia (B 2) calves too big and cows too fat. Cows should calf before August to prevent oversized calves been born..

Wellington: dr. William van Zyl

Dystocias (B 2)

Northern Cape

Upington: dr. Ian Vorster

Dystocias (B,O 3)

Metritis (Infection of the uterus)

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

Mpumalanga

Balfour: dr. Louis van Jaarsveld

Metritis (B 3)

Standerton: drs. Nel, Swart and Van der Merwe

Metritis (B 3) in dairy cows, possibly stress related.

Volkstrust: dr. André Visser

Metritis (B 1)

Gauteng

Onderstepoort: drs. Gratwick, Shakespeare, Harmse, Carrington and Blignaut

Metritis (B 3)

North West

Christiana: dr. Pieter Nel

Metritis (B 3)

Free State

Bloemfontein: dr. Stephan Wessels

Metritis (B 2)

Harrismith: drs. Thirion, Nel and Pretorius

Metritis (B 2)

Hertzogville: drs. Hendrikz and Naudé

Metritis (O 2) in ewes after lambing, react well to tetracycline treatment.

KwaZulu-Natal

Dundee: dr. Jacque Marais

Metritis (B 2)

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

Metritis (B 2)

Howick: dr. Stephen Hughes

Metritis (B 3)

Mtubatuba: dr. Trever Viljoen

Metritis (B 2)

Pongola: dr. Heinz Kohrs

Metritis (B 1)

Western Cape

Beaufort West: drs. Pienaar and Grobler

Metritis (C 1)

Darling: drs. Van der Merwe and Adam

Metritis (B 3)

Malmesbury: dr. Otto Kriek

Metritis (B 3)

Retained placenta

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

Mpumalanga

Balfour: dr. Louis van Jaarsveld

Retained placenta (B 3)

Volkstrust: dr. André Visser

Retained placenta (B 2)

Gauteng

Bronkhorstspuit: drs. De Bruin, de Bruin and Rudolph

Retained placentas (B 1)

Onderstepoort: drs. Gratwick, Shakespeare, Harmse, Carrington and Blignaut

Retained placenta (B,O 2)

North West

Christiana: dr. Pieter Nel

Retained placenta (B 3)

Leeudoringstad: dr. Ian Jonker

Retained placenta (B 3)

Vryburg: drs. Labuschagne and de Jager

Retained placenta (B 1)

Free State

Bultfontein: dr. Santjie Pieterse

Retained placenta (B 2) occurred mainly in heifers. Heifers in harvested maize fields. Some calve normally, some with slight dystocias. Both these type of calvings resulted in retained afterbirths. Cattle were injected with microminerals during the pre-season period.

Clocolan: dr. Liezel Wasserman

Retained placenta (B 3)

Harrismith: drs. Thirion, Nel and Pretorius

Retained placenta (B 3)

Hoopstad: dr. Kobus Pretorius

Retained placenta (B 3)

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

Retained placenta (B 2)

Reitz: dr. Murray Smith

Retained placentas (B 3)

Villiers: drs. Hattingh and Hauptfleisch

Retained placentas (B,O 1)

KwaZulu-Natal

Dundee: dr. Tony Grace

Retained placenta (B 2)

Dundee: dr. Jacque Marais

Retained placenta (B 2)

Howick: dr. Stephen Hughes

Retained placenta (B 2)

Mtubatuba: dr. Trever Viljoen

Retained placenta (B 1)

Pietermaritzburg: dr. Phillip Kretzmann

Retained placenta (B 2)

Pongola: dr. Heinz Kohrs

Retained placenta (B 1)

Eastern Cape

Middelburg: drs. Van Rooyen and Viljoen

Retained placenta (B 3)

Western Cape

Darling: drs. Van der Merwe and Adam

Retained placenta (B 2)

George: drs. Strydom, Truter and Pettifer

Retained afterbirths (B 2)

Malmesbury: dr. Otto Kriek

Retained placenta (B 3)

Prolapses

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

Mpumalanga

Bethal: dr. Hardus Pieters

Prolapses (B 1) uterine prolapse.

Prolapses of the cervix (B 2)

Gauteng

Onderstepoort: drs. Gratwick, Shakespeare, Harmse, Carrington and Blignaut

Prolapses (B 2) in bulls.

Prolapses (B 2) vaginal and uterus – slight increase in prevalence.

North West

Swartruggens: dr. Roselle Hartwigen

Prolapses (B 2) 3 cows from different farms in the same area.

Cows in late stages of pregnancy, poor body condition due to limited food supply

Prolaps occurred during a cold spell over last weekend in August.

Free State

Reitz: dr. Murray Smith

Prolapses (B 3) many more uterine prolapses occurred in comparison to previous years.

Must have a connection to the drought and not all to oversized calves.

Villiers: drs. Hattingh and Hauptfleisch

Prolapses (B,O 2)

KwaZulu-Natal

Bergville: drs. Ariena Shepherd

Prolapses (B 2) Prolapses of cervix and uterus probably linked to nutrition.

Pietermaritzburg: dr. Rick Mapham

Prolapses (B 2) of the uterus.

Pongola: dr. Heinz Kohrs

Prolaps (B 1) vaginal prolapse has a direct correlation with poor grazing and condition of animal.

Eastern Cape

Alexandria: dr. Johan Olivier

Uterus prolapse (B 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				
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,O				

Gauteng

Bronkhorstspuit: drs. De Bruin, de Bruin and Rudolph

Navel infections (B 1)

Free State

Hoopstad: dr. Kobus Pretorius

Navel infections (B,O 1)

Reitz: dr. Murray Smith

Navel infections (B 2)

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			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			
Species affected		B			B	B			

Gauteng

Bronkhorstspuit: drs. De Bruin, de Bruin and Rudolph

Arthritis (B 1)

Free State

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

Joint-ill (B 1)

KwaZulu-Natal

Howick: dr. Stephen Hughes

Joint ill (B 2)

Mastitis

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
Vets reporting this disease	3	2		2	3	5	3	3	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance	1	3		2	2	2	2	3	
Species affected	B,O	B		B,C	B,O	B,O	B,O,C	B	

Mpumalanga

Balfour: dr. Louis van Jaarsveld

Mastitis (B,O 2)

Bethal: dr. Hardus Pieters

Mastitis (O 1)

Volksrust: dr. André Visser

Mastitis (O 1)

Gauteng

Rayton: dr. Johan Jooste

Mastitis (B 3)

Onderstepoort: drs. Gratwick, Shakespeare, Harmse, Carrington and Blignaut

Mastitis (B 3)

North West

Christiana: dr. Pieter Nel

Mastitis (B 2)

Rustenburg: dr. Gerald Gaigher

Mastitis (C 1)

Free State

Bloemfontein: dr. Stephan Wessels

Mastitis (B 2)

Hertzogville: drs. Hendrikz and Naudé

Mastitis (B,O 2)

Viljoenskroon: dr. Johan Kahts

Mastitis (B 1)

KwaZulu-Natal

Bergville: drs. Ariena Shepherd

Mastitis (B,O 2)

Creighton: dr. Graham Carr

Mastitis (B 2)

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

Mastitis (B 1)

Howick: dr. Stephen Hughes

Mastitis (B 3)

Mtubatuba: dr. Trever Viljoen

Mastitis (B 2)

Eastern Cape

Alexandria: dr. Johan Olivier

Mastitis (B 2)

Graaff-Reinet: dr. Roland Larson

Mastitis (O,C 2) Blue udder in ewes (sheep and Angora goats) kidding and lambing on pastures.

Humansdorp: drs. Van Niekerk, Jansen van Vuuren, Barker and Kotzé

Mastitis (B 3)

Western Cape

Darling: drs. Van der Merwe and Adam

Mastitis (B 2) *Streptococcus agalactiae* (B 1)

George: drs. Strydom, Truter and Pettifer

Mastitis (B 3)

Malmesbury: dr. Otto Kriek

Mastitis (B 3)

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	1		2	5	3	1	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	2	3		3	3	1	3	2	
Species affected	B	B,O		B	B	B,O,C	B	B,O,C	

Mpumalanga

Ermelo: dr. Ben Potgieter

Lameness (B 2)

Gauteng

Onderstepoort: drs. Gratwick, Shakespeare, Harmse, Carrington and Blignaut

Lameness (B,O 3)

North West

Christiana: dr. Pieter Nel

Lameness (B 3)

Vryburg: drs. Labuschagne and de Jager

Lameness (B 2)

Free State

Bultfontein: dr. Santjie Pieterse

Lameness (B 2) in cattle in maize fields. Maize cobs stick between claws of cattle causing infection. When removed animals recover.

Hertzogville: drs. Hendrikz and Naudé

Lameness (B 2)

Hoopstad: dr. Johan Jooste

Lameness (B 2) – hairy warts

Hoopstad: dr. Kobus Pretorius

Lameness (B 1)

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

Lameness (B 3)

KwaZulu-Natal

Creighton: dr. Graham Carr

Lameness (B 1)

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

Lameness (B,O 1)

Mtubatuba: dr. Trever Viljoen

Lameness (B,C 2)

Eastern Cape

Humansdorp: drs. Van Niekerk, Jansen van Vuuren, Barker and Kotzé

Lameness (B 3)

Western Cape

Beaufort –West: drs. Pienaar and Grobler

Lameness (C 1)

Ceres: dr. Marc Walton

Lameness (O,C 3) footrot in flocks.

Lameness (B 2) hoof abscesses in bulls.

Darling: drs. Van der Merwe and Adam

Lameness (B 2)

Foot rot (O 3)

George: drs. Strydom, Truter and Pettifer

Lameness (B 1)

Vredenburg: dr. Izak Rust

Lameness (O 3) foot rot.

Wellington: dr. William van Zyl

Lameness (O 3)

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	1	1		3	6	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	3	2	1		2	2	3	3	3
Species affected	B	B,O	B,C		B	B,O,C	B,O,C	B,C	O

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

Diarrhoea (B 2)

Delmas: dr. Johan Jooste

Diarrhoea (B 3) in calves too high leading to poor herd growth.

Gauteng**Onderstepoort: drs. Gratwick, Shakespeare, Harmse, Carrington and Blignaut**

Diarrhoea (B,O 2)

Limpopo**Tzaneen: dr. Pieter Cordier**

Diarrhoea (B,C 1)

Free State**Bultfontein: dr. Santjie Pieterse**

Diarrhoea (B 2)

Hoopstad: dr. Kobus Pretorius

Diarrhoea (B 3) all that is green in the area is toxic plants especially tulip and slangkop types. Young animals and animals introduced into areas get diarrhoea.

Villiers: drs. Hattingh and Hauptfleisch

Diarrhoea (B 1)

KwaZulu-Natal

Bergville: drs. Ariena Shepherd

Diarrhoea (B 2)

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

Diarrhoea (B,C 3)

Howick: dr. Stephen Hughes

Diarrhoea (B 3)

Mtubatuba: dr. Trever Viljoen

Diarrhoea (B,C 2)

Pietermaritzburg: dr. Phillip Kretzmann

Diarrhoea (B 2)

Pongola: dr. Heinz Kohrs

Diarrhoea (B,O,C 1)

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

Diarrhoea (B 3)

Middelburg: drs. Van Rooyen and Viljoen

Diarrhoea (B,O,C 2)

Western Cape**Ceres: dr. Marc Walton**

Diarrhoea (C 2) outbreak in goat lambs.

George: drs. Strydom, Truter and Pettifer

Diarrhoea (B 3) Seasonal problem repeating itself. Seasonal change plays a major role.

Malmesbury: dr. Otto Kriek

Diarrhoea (B 3)

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

Diarrhoea (O 3) in lambs 6 weeks old, waiting for laboratory results.

Eye infection/Ophthalmia/Kerato-conjunctivitis

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
Vets reporting this disease	5	2	1	4	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	2	2		
Species affected	B,O	B,O	B,O	B,O,C	B,O	B,O,C	O		

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

Ophthalmia (B 2)

Lydenburg: dr. Gustav Trümpelmann

Ophthalmia (B 3)

Standerton: dr. Kobie Kroon

Ophthalmia (O 2)

Standerton: drs. Nel, Swart and Van der Merwe

Ophthalmia (B,O 1)

Volkstrust: dr. André Visser

Ophthalmia (B,O 2)

Gauteng

Bronkhorstspruit: drs. De Bruin, de Bruin and Rudolph

Ophthalmia (B 1)

Onderstepoort: drs. Gratwick, Shakespeare, Harmse, Carrington and Blignaut

Ophthalmia (B,O 2)

Limpopo

Bela Bela: dr. Marius du Plooy

Ophthalmia (B,O 3)

North West

Christiana: dr. Pieter Nel

Ophthalmia (B,O,C 3)

Stella: dr. Magdaleen Vosser

Ophthalmia (B,O 3)

Ventersdorp: dr. Olaf Marais

Ophthalmia (B 3)

Vryburg: drs. Labuschagne and de Jager

Ophthalmia (B 2) Blesbuck introduction onto a farm and now cattle and other game species develop ocular larval migrans due to *Gedoesitia* sp.(fly of blesbuck and hartebeest).

Free State

Bloemfontein: dr. Stephan Wessels

Ophthalmia (B 1)

Bultfontein: dr. Santjie Pieterse

Ophthalmia (B 2)

Hertzogville: drs. Hendrikz and Naudé

Ophthalmia (B,O 2) due to dust and drought conditions. In one herd of 110 cattle 50 animals had at least one eye affected.

KwaZulu-Natal

Bergville: drs. Ariena Shepherd

Ophthalmia (B,O 1)

Dundee: dr. Tony Grace

Ophthalmia (B,O 2)

Dundee: dr. Jacque Marais

Ophthalmia (B 2)

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

Ophthalmia (B,O,C 1)

Pietermaritzburg: dr. Phillip Kretzmann

Ophthalmia (B 2)

Pongola: dr. Heinz Kohrs

Ophthalmia (B 1)

Underberg: drs. Collins, King and Delaney

Ophthalmia (B 3) Cancerous nictitating membranes associated with a) high ultra violet levels and b) adjacent to dusty sandstone-topped district road (Beaufort series sandstone).

Eastern Cape

Middelburg: drs. Van Rooyen and Viljoen

Ophthalmia (O 2)

Abscesses

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

Mpumalanga

Balfour: dr. Louis van Jaarsveld

Abscesses (C 1)

Ermelo: dr. Ben Potgieter

Abscesses (B 2)

Standerton: drs. Nel, Swart and Van der Merwe

Abscesses (B,O 3) Trueperella pyogenes and other organisms especially in the udder of ewes, seen with sonar. Dairy cattle on zero grazing and intensification playing a role.

Gauteng

Bronkhorstspuit: drs. De Bruin, de Bruin and Rudolph

Abscesses (B,C 2)

Heidelberg: dr. Johan Jooste

Abscesses (B 2)

Onderstepoort: drs. Gratwick, Shakespeare, Harmse, Carrington and Blignaut

Abscesses (B 3)

Limpopo

Tzaneen: dr. Pieter Cordier

Abscesses (C 1)

North West

Christiana: dr. Pieter Nel

Abscesses (B 1)

Rustenburg: dr. Gerald Gaigher

Abscesses (B 2)

Vryburg: drs. Labuschagne and de Jager

Abscesses (O 1)

Free State

Bultfontein: dr. Santjie Pieterse

Abscesses (B 2)

Hertzogville: drs. Hendrikz and Naudé

Abscesses (O 2)

KwaZulu-Natal

Creighton: dr. Graham Carr

Abscesses (B 2)

Dundee: dr. Tony Grace

Abscesses (B 2)

Dundee: dr. Jacque Marais

Abscesses (B 1)

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

Abscesses (B,C 1)

Mtubatuba: dr. Trever Viljoen

Abscesses (B 2)

Pongola: dr. Heinz Kohrs

Abscesses (B 1)

Eastern Cape

Graaff-Reinet: dr. Roland Larson

Abscesses (C 2) Boer goat rams prepared for sale(s). Caseous lymphadenitis in regional lymphnodes.

Western Cape

Darling: drs. Van der Merwe and Adam

Abscesses(O 2) due to *Corynebacterium pseudotuberculosis*.

Malmesbury: dr. Otto Kriek

Abscesses (B 1)

Plettenberg Bay: dr. André Reitz

Abscesses (B 2) Two 12 month old jersey heifers that were injected with a drug intramuscularly where the needles were not sterile and the packet insert stated as well that the drug should be administered sub-cutaneously. Clostridial bacteria were seen in the smears.

Blood deposits were seen in the muscle mass.

Pneumonia

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
Vets reporting this disease	4	2	2	3	9	9	2	1	1
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance	2	2	2	2	2	2	3	1	1
Species affected	B,O,C	B,O,C	B	B,O	B,O,C	B,O,C	B	B	O

Mpumalanga

Balfour: dr. Louis van Jaarsveld

Pneumonia (B,O,C 3)

Ermelo: dr. Ben Potgieter

Pneumonia (B,O 2)

Standerton: drs. Nel, Swart and Van der Merwe

Pneumonia (B,O 2) in dairy and feedlot calves due to dusty, windy conditions. In sheep on harvested maize fields.

Volkstrust: dr. André Visser

Pneumonia (O 1)

Gauteng

Bronkhorstspuit: drs. De Bruin, de Bruin and Rudolph

Pneumonia (B,O,C 3)

Pretoria: dr. Hanneke Pienaar

Pneumonia (O 1)

Limpopo

Machado: dr. Freddie Harris

Pneumonia (B 3) in feedlots due to cold spell.

Tzaneen: dr. Pieter Cordier

Pneumonia (B 1)

North West

Leeudoringstad: dr. Ian Jonker

Pneumonia (B,O 3) in feedlot cattle and old ewes. Dusty conditions play a major role in the occurrence of pneumonia.

Lichtenburg: dr. CM Kruger-Rall

Pneumonia (B 1)

Rustenburg: dr. Gerald Gaigher

Pneumonia (O 1)

Free State

Bloemfontein: dr. Stephan Wessels

Pneumonia (B 2)

Brandfort : dr. Johan Jooste

Pneumonia (C 3)

Bultfontein: dr. Santjie Pieterse

Pneumonia (B 1)

Clocolan: dr. Liezel Wasserman

Pneumonia (B 3)

Harrismith: drs. Thirion, Nel and Pretorius

Pneumonia (B 2) Expected few problems with pneumonia due to stable temperature but acute deaths due to pasteurellosis occurred in weaner calves. Calves were not vaccinated prophylactically against bovine respiratory disease.

Heilbron: dr. Piet van Zyl

Pneumonia (B,O 2) Pneumonia in beef cattle up to three years of age on veld. Day and night temperatures fluctuated up to 20°C. Cattle were vaccinated against PI 3, BVD, IBR and *Mannheimia haemolytica*. *Pasteurella multocida* and *Histophilus somni* were the pathogens isolated. Autogenous vaccine containing these antigens with an additional *M. haemolytica* vaccination solved the problem.

Hoopstad: dr. Kobus Pretorius

Pneumonia (B,O 3) due to fluctuations of more than 15°C in young animals and in feedlots.

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

Pneumonia (B,O 2)

Reitz: dr. Murray Smith

Pneumonia (B,O 2)

KwaZulu-Natal

Bergville: drs. Ariena Shepherd

Pneumonia (B,O 1)

Creighton: dr. Graham Carr

Pneumonia (B 3)

Dundee: dr. Jacque Marais

Pneumonia (B 3)

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

Pneumonia (B,C 1)

Howick: dr. Stephen Hughes

Pneumonia (B 3, O 2)

Mtubatuba: dr. Trever Viljoen

Pneumonia (B 2)

Pietermaritzburg: dr. Phillip Kretzmann

Pneumonia (B 2)

Pongola: dr. Silke Pfitzer

Pneumonia (O 2)

Underberg: drs. Collins, King and Delaney

Pneumonia (B 3)

Eastern Cape

Humansdorp: drs. Van Niekerk, Jansen van Vuuren, Barker and Kotzé

Pneumonia (B 3)

Middelburg: drs. Van Rooyen and Viljoen

Pneumonia (B 2)

Western Cape

Ceres: dr. Marc Walton

Pneumonia (B 1) in a cow.

Northern Cape

Upington: dr. Ian Vorster

Pneumonia (O 1) in a few sheep in feedlots that were not vaccinated.

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	3	1	2	8	6	6	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	3	3	3	3	3	3	3	3
Species affected	B	B,O,C	B,O	B,O,C	B,O	B,O,C	B,O,C	B,C	O

Mpumalanga

Balfour: dr. Louis van Jaarsveld

Protein deficiency (B 3)

Middelburg: drs. Fourie and Barkhuizen

Protein deficiency (B 3) A winter lick is not sufficient and a production lick should now be given as the nutritional level of grazing is very poor.

Standerton: drs. Nel, Swart and Van der Merwe

Protein deficiency (B 3)

Gauteng

Bronkhorstspuit: drs. De Bruin, de Bruin and Rudolph

Protein deficiency (B 2)

Onderstepoort: drs. Gratwick, Shakespeare, Harmse, Carrington and Blignaut

Protein deficiency (B,O,C 3)

Limpopo

Bela Bela: dr. Marius du Plooy

Protein deficiency (B,O 3)

Mokopane: dr. Henk Visser

Protein deficiency (B 2)

North West

Christiana: dr. Pieter Nel

Protein deficiency (B,O,C 3)

Leeudoringstad: dr. Ian Jonker

Protein deficiency (B 3)

Rustenburg: dr. Gerald Gaigher

Protein deficiency (B 3) Not sufficient grazing and lack of proper winter licks.

Schweizer-Reneke: dr. N.J.Heyns

Protein deficiency (B,C 3)

Stella: dr. Magdaleen Vosser

Protein deficiency (B,O 3)

Swartruggens: dr. Roselle Hartwigsen

Protein deficiency (B 1)

Ventersdorp: dr. Olaf Marais

Protein deficiency (B 3)

Vryburg: drs. Labuschagne and de Jager

Protein deficiency (B,O,C 2)

Free State

Bloemfontein: dr. Stephan Wessels

Protein deficiency (B 2)

Hertzogville: drs. Hendrikz and Naudé

Protein deficiency (B 3) due to drought.

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

Protein deficiency (B,O 3) due to very poor grazing conditions.

Viljoenskroon: dr. Johan Kahts

Protein deficiency (B,O 3)

Villiers: drs. Hattingh and Hauptfleisch

Protein deficiency (B,O 2)

Zastron: dr. Philip Brandt

Protein deficiency (B,O 3) Serious problem which is aggravated due drought conditions conditions and veld fires.

KwaZulu-Natal

Bergville: drs. Ariena Shepherd

Protein deficiency (B,O 2)

Dundee: dr. Tony Grace

Protein deficiency (B,O,C 3) due to serious drought conditions. Downer cows in late gestation, dystocias, retained placentas and ophthalmias are seen. Increased incidence of prolapses of the vagina and cervix are seen.

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

Protein deficiency (B 2)

Howick: dr. Stephen Hughes

Protein deficiency (B 3)

Pietermaritzburg: dr. Phillip Kretzmann

Protein deficiency (B,O,C 3)

Pongola: dr. Heinz Kohrs

Protein deficiency (B,O,C 2) due to veld fires and late summer rains.

Eastern Cape

Cradock: dr. Frans Erasmus

Protein deficiency (B,O 3) due to drought conditions.

Middelburg: drs. Van Rooyen and Viljoen

Protein deficiency (B,O,C 3) Bottle jaws, vaginal and uterine prolapses and poor immunity all due to protein deficiency and malnutrition.

Western Cape

Beaufort-West: drs. Pienaar and Grobler

Protein deficiency (B,C 3) Due to drought conditions and the hard grazing conditions of the Great Karoo, animals that arrive in the Karoo from other (less harsh) parts of the country struggle to adapt. This results in poor production and reproduction and sometimes losses.

Northern Cape

Upington: dr. Ian Vorster

Protein deficiency (O 3) sheep are given urea licks.

Energy

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
Vets reporting this disease	3	2	2	8	7	7	5	1	2
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance	3	3	3	2	3	2	3	3	3
Species affected	B,O	B,O,C	B,O	B,O	B,O	B,O,C	B,O,C	B,C	B,O

Mpumalanga

Balfour: dr. Louis van Jaarsveld

Energy deficiency (B 3)

Middelburg: drs. Fourie and Barkhuizen

Energy deficiency (B 3) A winter lick is not sufficient and a production lick should now be given as the nutritional level of grazing is very poor.

Standerton: drs. Nel, Swart and Van der Merwe

Energy deficiency (B,O 3)

Gauteng

Bronkhorstspuit: drs. De Bruin, de Bruin and Rudolph

Energy deficiency (B,O,C 3)

Onderstepoort: drs. Gratwick, Shakespeare, Harmse, Carrington and Blignaut

Energy deficiency (B,O,C 3)

Limpopo

Bela Bela: dr. Marius du Plooy

Energy deficiency (B,O 3)

Mokopane: dr. Henk Visser
Energy deficiency (B 2)

North West

Christiana: dr. Pieter Nel
Energy deficiency (B,O,C 3)

Leeudoringstad: dr. Ian Jonker
Energy deficiency (B 3)

Rustenburg: dr. Gerald Gaigher
Energy deficiency (B 3) Not sufficient grazing and lack of proper winter licks.

Schweizer-Reneke: dr. N.J.Heyns
Energy deficiency (B,C 3)

Stella: dr. Magdaleen Vosser
Energy deficiency (B,O 3)

Swartruggens: dr. Roselle Hartwigsen
Energy deficiency (B 1)

Ventersdorp: dr. Olaf Marais
Energy deficiency (B 1)

Vryburg: drs. Labuschagne and de Jager
Energy deficiency (B,O,C 2)

Free State

Bloemfontein: dr. Stephan Wessels
Energy deficiency (B 2)

Clocolan: dr. Liezel Wasserman
Energy deficiency (B 3)

Hertzogville: drs. Hendrikz and Naudé
Energy deficiency (B,O,C 3) due to drought.

Kroonstad: drs. Daffue, Eksteen, van Zyl and Van der Walt
Energy deficiency (B,O 3) due to very poor grazing conditions.

Viljoenskroon: dr. Johan Kahts
Energy deficiency (B,O 3)

Villiers: drs. Hattingh and Hauptfleisch
Energy deficiency (B,O 2)

Zastron: dr. Philip Brandt
Energy deficiency (B,O 3) Serious problem which is aggravated due to drought conditions and veld fires.

KwaZulu-Natal

Bergville: drs. Ariena Shepherd
Energy deficiency (B,O 1)

Creighton: dr. Graham Carr
Energy deficiency (B 3)

Dundee: dr. Tony Grace
Energy deficiency (B,O,C 3)

Estcourt: drs. Turner, Tedder, Taylor, Tratschler, Van Rooyen and Alwar
Energy deficiency (B 2)

Howick: dr. Stephen Hughes
Energy deficiency (B 3)

Pietermaritzburg: dr. Phillip Kretzmann

Energy deficiency (B,O,C 3)

Pongola: dr. Heinz Kohrs

Energy deficiency (B,O,C 2) due to veld fires and late summer rains.

Eastern Cape**Alexandria: dr. Johan Olivier**

Energy deficiency (B 3)

Aliwal North: drs. Troskie and Strauss

Energy deficiency (O 2)

Craddock: dr. Frans Erasmus

Energy deficiency (B,O 3) due to drought conditions.

Graaff-Reinet: dr. Mackie Hobson

Energy deficiency (C 3)

Middelburg: drs. Van Rooyen and Viljoen

Energy deficiency (B,O,C 3)

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

Energy deficiency (B,C 3) Due to drought conditions and the hard grazing conditions of the Great Karoo, animals that arrive in the Karoo from other (less harsh) parts of the country struggle to adapt. This results in poor production and reproduction and sometimes losses.

Northern Cape**Kathu: dr. Jan Vorster**

Energy deficiency (B 2)

Upington: dr. Ian Vorster

Energy deficiency (O 3)

Phosphate

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			
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	1			
Species affected	B			B,O,C	B	B			

Mpumalanga**Lydenburg: dr. Gustav Trümpelmann**

Phosphate deficiency (B 2) pica seen in cattle.

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

Phosphate deficiency (B,O,C 3)

Schweizer-Reneke: dr. N.J.Heyns

Phosphate deficiency (B 3)

Free State**Hertzogville: drs. Hendrikz and Naudé**

Phosphate deficiency (B 2)

KwaZulu-Natal

Pongola: dr. Heinz Kohrs

Phosphate deficiency (B 1)

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	1	4	2		
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance	2	3	2	3	3	2	2		
Species affected	B	B	B	B	B,O	B	B,C		

Mpumalanga

Standerton: drs. Nel, Swart and Van der Merwe

Calcium deficiency (B 2)

Gauteng

Onderstepoort: drs. Gratwick, Shakespeare, Harmse, Carrington and Blignaut

Calcium deficiency (B 3)

Limpopo

Mokopane: dr. Henk Visser

Calcium deficiency (B 2) Brahman and Brahman cross breed cows unable to rise. React to calcium supplementation. In addition cow has a vaginal prolapse.

North West

Rustenburg: dr. Gerald Gaigher

Calcium deficiency (B 3)

Free State

Villiers: drs. Hattingh and Hauptfleisch

Calcium deficiency (B,O 3)

KwaZulu-Natal

Creighton: dr. Graham Carr

Calcium deficiency (B 3)

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

Calcium deficiency (B 2)

Howick: dr. Stephen Hughes

Calcium deficiency (B 3)

Pongola: dr. Heinz Kohrs

Calcium deficiency (B 1)

Eastern Cape

Graaff-Reinet: dr. Roland Larson

Calcium deficiency (C 2) in Angora lactating ewes(does) on oats pastures.

Humansdorp: drs. Van Niekerk, Jansen van Vuuren, Barker and Kotzé

Calcium deficiency (B 2)

Magnesium

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						2		
Species affected	B						B		

Mpumalanga

Standerton: drs. Nel, Swart and Van der Merwe

Magnesium deficiency (B 2)

Eastern Cape

Uitenhage: dr. Riaan Mulder

Magnesium staggers (B 2) deficiency of magnesium which leads to hyperexcitability, muscular spasms, convulsions, respiratory distress, collapse and death. Adult lactating animals are most susceptible because of the loss of magnesium in milk.

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									
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									

Selenium

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									

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									

Micro mineral deficiencies

Gauteng

Onderstepoort: drs. Gratwick, Shakespeare, Harmse, Carrington and Blignaut

Micro mineral deficiencies – none confirmed but many suspected.

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		3	2	4	1		
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance		3		3	2	3	3		
Species affected		B,O,C		B	B	B,O,C	B,O,C		

Gauteng

Onderstepoort: drs. Gratwick, Shakespeare, Harmse, Carrington and Blignaut
Vitamin A deficiency (B,O,C 3)

North West

Leeudoringstad: dr. Ian Jonker
Vitamin A deficiency (B 3) retained placentas.

Schweizer-Reneke: dr. N.J.Heyns
Vitamin A deficiency (B 3) play a role in the occurrence of ophthalmia, prolapses and retained placentas.

Ventersdorp: dr. Olaf Marais
Vitamin A deficiency (B 3)

Free State

Villiers: drs. Hattingh and Hauptfleisch
Vitamin A deficiency (B 2)

Zastron: dr. Philip Brandt
Vitamin A deficiency (B 2)

KwaZulu-Natal

Dundee: dr. Tony Grace
Vitamin A deficiency (B,O,C 3)

Pietermaritzburg: dr. Phillip Kretzmann
Vitamin A deficiency (B 2)

Pongola: dr. Heinz Kohrs
Vitamin A deficiency (B,O,C 2)

Underberg: drs. Collins, King and Delaney
Vitamin A deficiency (B 3)

Eastern Cape

Middelburg: drs. Van Rooyen and Viljoen
Vitamin A deficiency (B,O,C 3)

VitaminB 1 deficiency

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									

Metabolic diseases

Anion / cation imbalance

Domsiekte (Pregnancy toxaemia)

KwaZulu-Natal

Bergville: drs. Ariena Shepherd

Pregnancy toxaemia (O 2) On a farm, numerous mortalities in ewes and many ewes that had to be treated.

Ketosis

KwaZulu-Natal

Underberg: drs. Collins, King and Delaney

Ketosis (B 3) – fatty liver in overfat dairy cows. Insufficient fibre, fibre, fibre!

Milk fever

Eastern Cape

Uitenhage: dr. Riaan Mulder

Milk fever (B 3)

Western Cape

Ceres: dr. Marc Walton

Milk fever (B 1) in a cow

Other conditions

Left (LDA) and right displaced abomasum (RDA)

KwaZulu-Natal

Dundee: dr. Jacque Marais

LDA's (B 2) Have had a few LDA's in dairy cows post red water.

Underberg: drs. Collins, King and Delaney

Displaced abomasums (B 3)

Eastern Cape

Tstitsikamma: drs. Hoek and McFarlane

LDA (B 2) We have not identified any cases with LDA in the past four years, and we do look for it. Did see quite a couple RDA cases in the past. Saw five cases of LDA's in the last month on three different farms. The biggest

change in ration this year is the feeding of orange peels. Unsure if it could have something to do with it.

Management

Free State

Zastron: dr. Philip Brandt

Agalactiae (O 3) Lamb losses due to ewes not having milk.

Cold

Eastern Cape

Humansdorp: drs. Van Niekerk, Jansen van Vuuren, Barker and Kotzé

Friesian and Jersey calves died due to cold and no protection against the wind.

Drought conditions

North West

Christiana: dr. Pieter Nel

Severe emaciation and deficiency diseases in animals are seen due to the extreme drought conditions. On some farms animals are recumbent, unable to rise and succumb. A well balanced production lick and regular administration of vitamin A helps a lot. Weak animals should receive extra food. In our area mealie rests and lucerne are still available. Many farmers do not have the necessary finance to buy food. Many farmers have already sold some of their breeding animals.

Northern Cape

Kathu: dr. Jan Vorster

Starvation (B 2) Drought conditions exist on burnt veld. Farmer lost 3 head of cattle due to shortage of food. No edible plant material left in the camps.

Trauma

A cow died due to trauma inflicted by horns. Another downer cow had also been traumatized by horns soon after calving. Nguni farmers do not want to deworm his animals as there is a leopard in the area.

Veld fires

Eastern Cape

Stutterheim: dr. Dave Waterman

Veldfires – over 40 000 hectares of grazing burnt, heavy livestock losses.

Game

Mpumalanga

Limpopo

Bela Bela: dr. Marius du Plooy

Sable with bladder infection, blader full of puss.

Ophthalmia (3) in buffalo, nyalas and other game

Mokopane: dr. Henk Visser

Swelled head in wildebeest bull.

Trauma – impala with broken mandible. Food packed in cheek.

North West

Vryburg: drs. Labuschagne and de Jager

Ophthalmia (2)

KwaZulu-Natal

Mtubatuba: dr. Trever Viljoen

Anaplasmosis (2)

Pongola: dr. Silke Pfitzer

Red gut (Nyala 1)

Horses

Limpopo

Machado: dr. Freddie Harris

African horse sickness (1) dikkop form.

KwaZulu-Natal

Mooi River: drs. Fowler, Hartley, Mallett and Waterman

Mtubatuba: dr. Trever Viljoen

Nuisance flies (E 2)

Western Cape

Plettenberg Bay: drs. Indall and Nell

Tetanus (E 1) Mare purchased about 16 months ago. Presented with tetanus symptoms .
Small stab wound found on rump.

Pigs

Limpopo

Tzaneen: dr. Pieter Cordier

E.coli (1)

Pigeons

Free State

Heilbron: dr. Piet van Zyl

Outbreak of swollen eye and sinus infections that spread fast during mixing of birds while transported to the starting point.

Galibacterium anatis and *Staphylococcus* are regularly isolated. What is interesting is that both these pathogens show total resistance to all commercial available antibiotics. There had been transmission of these resistant bacteria between the pigeons of different lofts whether they used these different antibiotics or not. Similar resistance to antibiotics was also noted in broiler chickens during the same time.

Feedlot report

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

Sheep feedlots

Numerous outbreaks of orf (vuilbek) occurred in dairy goats and Boer goats.

Only a few cases of pneumonia occurred in sheep in feedlots.

A few cases of pulpy kidney, acidosis and maladaptation were seen.

A few abortions occurred in stud ewes but the causes were not established.

Cattle feedlots

Fluctuating temperatures gave rise to pneumonia and mortalities in calves with low body mass.

Increased morbidity rates occurred in some fatter animals and could also be ascribed to the great fluctuation between day and night temperature that occurred a few times during the month.

Dusty and windy conditions also contributed to the higher incidence of diseases.

Ticks were scarce but a few cases of anaplasmosis occurred.

Ionophore toxicity was confirmed where sudden deaths occurred.

As a result of the drought numerous under weight calves in poor condition arrived at the feed lots and numerous mortalities occurred.

Laboratory reports

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

Most of the samples received during September were from respiratory infections, and most of those, from feedlot cattle. There were 11 cases of *Mannheimia haemolytica* in cattle and one in a sheep. Cases from cattle respond well to vaccination with a leucotoxin based vaccine, but the situation for sheep and goat isolates is more complex, as their isolates possess a variety of leucotoxin types, as well as belonging to a variety

of serotypes. If a serotype based vaccine is to be used, the isolate first has to be serotyped at Onderstepoort, so that the correct vaccine may be selected. There were also 9 cases of *Pasteurella multocida*, 5 cases of *Histophilus somni*, 2 each of *Mycoplasma* and *Mannheimia* 8C, and one of *Mannheimia* 8B in cattle. *Salmonella* Dublin also caused a respiratory infection in a calf. Most *Salmonella* infections present as enteritis, but some, especially those caused by *S. Dublin*, are regarded as a case of pneumonia.

E. coli was isolated from 12 cases of enteritis in cattle (8), a goat, sheep, pig and an ostrich. Isolating *E. coli* from cases of diarrhoea does not constitute a diagnosis, however. A large number of factors such as the age of the calf, the absence of other causes, whether the sample was taken from an untreated animal and the virulence of the isolated strain has to be taken into consideration before a diagnosis of colibacillosis can be made. *Clostridium perfringens* isolation from the intestine is similar. Both are normal in the intestine, and distinguishing between the isolation of these two and establishing the cause of the enteritis requires expert teamwork between the veterinarian and the laboratory staff.

There was only one *Trueperella pyogenes* bovine abortion, one *Corynebacterium pseudotuberculosis* goat abscess and one *Staphylococcus aureus* blue udder case in a sheep, to round the month off.

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

Disease or problem	Specie affected	Comments
Asiatic red water	Bovine	One case
Red gut	Bovine	One case
Salmonellosis	Bovine	One case
Bovine malignant catarrh	Bovine	One case
BVD	Bovine	One case
Tulip poisoning	Bovine	Numerous cases
Abortions	B,O,C	Numerous cases
Pneumonia	Bovine	One case
Protein deficiency	Bovine, Game	Numerous cases
Copper poisoning	Ovine	Typical case

**Monthly Pathcare Vetlab report – Cape Town submitted by dr. Lucy Lange
(19 Augustus – 14 Oktober 2013)**

Disease condition	Specie	District	Commentary
Pneumonia/ <i>Pasteurella</i>	Cattle	Country wide	Many cases
Hepatotoxicosis	Cattle	Country wide	Many cases – includes degeneration and lipidosis
<i>Campylobacter</i>	Cattle	Country wide	Confirmed with PCR
<i>Tritrichomonas</i>	Cattle	Country wide	Confirmed with PCR
Pneumonia	Cattle	Country wide	Many cases – also in

			foetuses
Coccidiosis	Cattle	Southern Cape	
Enteritis	Cattle	Country wide	Many cases – young calves and adult cattle
Colibacillosis	Cattle	Country wide	
Necrobacillosis	Cattle	Free State	
CCN (Vit B1 deficiencies)	Cattle	Country wide	
Cryptosporidiosis	Cattle	Country wide	
Oxalate toxicity	Cattle	Free State	
Septicemia	Cattle	Country wide	Calves
Kidney pathology	Cattle	Country wide	Infarcts, abscesses
Cardiomyopathy	Cattle	Country wide	Calves and adult cattle
Hypoproteinaemia	Cattle	Country wide	Especially in feedlot calves
Liver abscesses	Cattle	Eastern Cape	Adult cattle
<i>Mycobacterium</i>	Cattle	Eastern Cape	4 week old calf
Squamous cell carcinoma	Cattle	Namibia	On udder
Neonatal septicemia and pneumonia	Horses	Country wide	Especially in Boland
Neonatal babesiosis	Horses	Boland	
Sarcoid	Horses	Country wide	Many cases
Squamous cell carcinoma	Horses	Namibia	
Necrotic placentitis	Horses	Eastern Cape	
Necrotic gastritis and perforation	Horses	Eastern Cape	
Herpes	Horses	Boland	
Granulomas in liver and lungs	Horses	Country wide	
Johnes disease	Sheep	Country wide	
Worms and coccidia	Sheep	Country wide	Many cases
Hypoproteinaemia	Sheep	West Coast, Namibia	
Pneumonia/ <i>Pasteurella</i>	Sheep	Eastern Cape	
Pulpy kidney	Sheep	Country wide	Many cases
Hepatotoxicosis	Sheep	Eastern Cape	
Coccidiosis	Sheep	Eastern Cape	
Enteritis	Sheep	Boland	Cause not determined
<i>Coxiella</i>	Sheep	Free State	Abortions
Cardiomyopathy	Sheep	Country wide	
Urolithiasis	Sheep	Free State	
Vitamin B1 (CCN)	Sheep	Country wide	
Jaagsiekte	Sheep	Free State	
Suspected <i>Listeria</i>	Sheep	Southern Cape	
Liver necrosis	Sheep	North West and Free State	Plant poisoning not determined

Hypoproteinaemia	Goats	Country wide	Many cases
Coccidiosis	Goats	Noordwes en Ooskaap	
<i>Cryptosporidium</i>	Goats	Noordwes	
Abortions (Bacterial)	Goats	Country wide	
Fatty livers	Goats	Free State	
Bacterial enteritis	Pigs	Boland	
Pneumonia	Pigs	Boland	
Hepatitis	Gemsbok		
Hypoproteinaemia	Kudu, buffalo, rhino		
“Capture myopathy”	Zebra		
Lung toxic plants	Sable		
Acidosis	Giraffe		
Sarcoid	Camel, Zebra		
Worms	Zebra		
Septicemia	Springbuck		
Nekrotic hepatitis	Baboon		
Fungal infection of the skin	Bengal tiger		
Pneumonia	Waterbuck		
Fungal infection of intestine and lung	Blue Wildebeest		
Lymphocytic encephalitis	Rhino		
“Cerebellar hernia” Vit A deficiency	Lion		

**Monthly report by dr J.H.Vorster , Veterinary Pathologist
Vetdiagnostix Veterinary Pathology Services Pty Ltd, Pietermaritzburg.**

Bovine	KZN	Group D <i>Salmonella</i> enteritis
Bovine	KZN	<i>Escherichia coli</i> enteritis
Bovine	KZN	<i>E. coli</i> enteritis
Bovine	KZN	<i>Mannheimia haemolytica</i> pneumonia
Bovine	KZN	Colibacillosis
Bovine	KZN	<i>E. coli</i> scours
Bovine	KZN	<i>Strep uberis</i> abortion
Bovine	Free State	<i>Mannheimia haemolytica</i> pneumonia
Bovine	KZN	Group D <i>Salmonella</i> enteritis

Bovine	Western Cape	Fibrinopurulent bronchopneumonia
Bovine	Western Cape	1/3 EBL positive
Bovine	Western Cape	52/68 EBL positive
Bovine	Western Cape	Salmonellosis
Bovine	Western Cape	<i>E. coli</i> abortion
Bovine	Western Cape	<i>E. coli</i> enteritis
Ovine	North West	FSE (Focal Symmetrical Encephalomalacia) sheep enterotoxaemia
Ovine	Western Cape	<i>Corynebacterium pseudotuberculosis</i>
Ovine	Western Cape	Coccidiosis
Ovine	Western Cape	Suspect clostridial enterotoxaemia
Ovine	Western Cape	Suspect post weaning <i>E. coli</i> enteritis with possible underlying vitamin E-selenium deficiency
Ovine	KZN	Neural listeriosis

Monthly report by dr. Annelize Jonker, Stellenbosch Provincial laboratory

Augustus 2013

Disease or problem	Specie affected	Describe the conditions and the severity of the disease or problem
Abortion, Mastitis, Septicaemia	Bovine	A <i>Campylobacter</i> sp was isolated from a placenta sample. It was identified as <i>C. fetus ssp fetus</i> by the ARC-OVI. <i>Streptococcus dysgalactiae</i> was isolated from lymphnode, subcutaneous and udder swabs. In addition <i>Trueperella pyogenes</i> was isolated from the subcutaneous and uterine swabs. A <i>Salmonella</i> sp (Group I) was also isolated from an organ pool. The carcass came from the Paarl area.
Pneumonia	Porcine	<i>Trueperella pyogenes</i> was isolated from lung samples from porkers from the Paarl area. <i>Trueperella pyogenes</i> and <i>Pasteurella multocida</i> was isolated from a lung sample from a piglet from the Riviersonderend area. <i>Actinobacillus pleuropneumoniae</i> was isolated from lung and tonsil samples from pig carcasses from the Paarl area. <i>Streptococcus suis</i> type I and <i>Pasteurella multocida</i> were also isolated from some of these samples. <i>Actinobacillus pleuropneumoniae</i> was isolated from another set of samples from porkers from the above farm. <i>Pasteurella multocida</i> and <i>Trueperella pyogenes</i> were isolated from a lung and a lymphnode sample from a weaner from the same farm. <i>Actinobacillus pleuropneumoniae</i> was isolated from lung and lymphnode samples from growers from another farm belonging to the same owner as the above two cases. <i>Bordetella bronchiseptica</i> was also isolated from one of the lung samples.
Keratitis, mastitis, septicaemia, abortion	Ovine	<i>Moraxella bovis</i> was isolated from eye swabs from a herd in the Loxton area. <i>Staphylococcus aureus</i> was isolated from udder tissue and a swab from a carcass from the Malmesbury district. <i>Trueperella pyogenes</i> and <i>Streptococcus uberis</i> were isolated from lung and udder samples from a sheep carcass. In addition <i>Pasteurella multocida</i> was isolated from the lung sample and

		<i>Mannheimia haemolytica</i> from the udder sample. The carcass came from the Paarl area. A <i>Campylobacter</i> sp was isolated from stomach content of two foetuses from the Malmesbury area. It was identified as <i>C. fetus ssp fetus</i> by the ARC-OVI.
Pneumonia	Caprine	<i>Mannheimia haemolytica</i> was isolated from a lung sample from a goat carcass. Of interest is that the goat came from the same farm in the Paarl area as the sheep with the multiple isolates. A lung and spleen sample from a stillborn Angora goat lamb from the Beaufort West area was submitted to the ARC-OVI for <i>Chlamydia</i> PCR and tested positive for <i>Chlamydia abortus</i> .

September 2013

Disease or problem	Species affected	Describe the conditions and the severity of the disease or problem
Septicaemia, Mastitis, Pneumonia	Bovine	<i>E. coli</i> was isolated from lung, spleen and liver samples from a calf. The calf came from the Stellenbosch area. <i>Mannheimia varigena</i> was isolated from lung and liver samples from a 1 week old calf from the Stellenbosch area. <i>Streptococcus dysgalactiae</i> was cultured from a milk sample from a cow from the Tulbagh area. <i>Trueperella pyogenes</i> and <i>Pasteurella multocida</i> was isolated from a pleural swab from a calf that showed macroscopic signs of a purulent pneumonia. <i>Mannheimia haemolytica</i> was isolated from lung samples from a carcass with bilateral pneumonia from the Stellenbosch area.
Meningitis, Enteritis, Oedema disease, Septicaemia, Peritonitis	Porcine	<i>Trueperella pyogenes</i> was isolated from 3 swab samples of the brain and cerebellum of a carcass that showed macroscopic lesions of meningitis. The pig came from the Durbanville area. Haemolytic <i>E. coli</i> was isolated from samples from piglets with haemorrhagic diarrhoea and generalised oedema. The piglets came from the Stanford area. <i>E. coli</i> was isolated from peritoneal swabs from 49 week old piglets from the Paarl area.
Mastitis, Lamb mortalities	Ovine	<i>Staphylococcus aureus</i> was isolated from a sheep milk sample from the Paarl area. A heart/lung pool from a lamb was sent for PCR and tested positive for <i>Chlamydia abortus</i> . The samples came from the Beaufort West area.
Haemorrhagic enteritis, Septicaemia	Caprine	<i>Clostridium perfringens</i> was isolated from a jejunum sample of a goat from the Beaufort West area. Haemolytic <i>E. coli</i> was isolated from liver, small intestine and colon samples from a goat.

NEWSLETTERS

FLOCK HEALTH DURING DROUGHTS

Modern small stock breeds have been bred for high levels of production. This has changed the priorities of the metabolic processes. As the nutrient resources become more limiting, the available energy, protein and other nutrients are reserved for the survival functions of the body. This varies between breeds.

Merino sheep will reduce the supply of resources to the wool growth and muscles whilst maintaining a pregnancy. Dorper sheep will more readily abort the fetus but maintain muscle mass.

The immune system is very often neglected in high producing animals that suffer from malnutrition.

One of the most common problems during droughts is the failure of transmission of colostrum to the lamb or kid. This results in lambs with very poor immunity especially

against clostridial diseases. The feed intake is also abnormal, less palatable feeds are consumed, even toxic or irritating plants that will not normally be part of the diet are consumed. Supplementation will also lead to the intake of higher than normal levels of, for example grains and urea.

The results in an abnormal and often unstable rumen and gut flora and Enterotoxaemia will occur at a much earlier stage than what is usually found. Lambs start dying from Pulpy Kidney disease at 3 to 4 weeks of age. It is therefore recommended, in a drought situation to do the following:

1. Vaccinate lambs from the age of 4 weeks with single antigen Pulpy Kidney vaccine, alum based (Enterotoxaemia Alum Precipitated OBP G1350 or Pulpyvax MSD G2192).
2. Repeat the vaccination every six weeks up to the normal weaning age.
3. Boost the lamb's immunity with vitamin A and trace elements 10 days after the first vaccination (Embamin TE + Embavit, Lionel's Vet).
4. Do not drench with anthelmintics until at least 10 days after the first Enterotoxaemia vaccination.
5. Early weaning of lambs will be of benefit for both the ewe and the lamb. Early onset of creep feeding will make it possible to wean lambs at 50 days (please enquire about managing early weaning).

We have had numerous cases of lambs dying from Enterotoxaemia (Bloednier) at 3 to 6 weeks old over the past weeks. Lamb dysentery (Bloedpens) usually occurs in lambs under 3 weeks old.

Adult sheep will also need additional care:

1. Severe nutritional stress, especially resulting from low levels of protein may lead to reduced immunity. Recovering animals should receive a booster against the common diseases especially enterotoxaemia.
2. Animals with reduced immunity are more prone to bankrupt worm species and kraal problems such as *Trichuris* (Whipworm) and *Strongyloides* (White Bankrupt Worm) Immunity can be boosted with vitamins and trace elements.
3. Treatment for helminth parasites may be required even though the normal response is that it is not required during a drought. Monitoring fecal egg counts is very important when non blood sucking parasites are a problem. Wireworm is seldom present during droughts, however animals are more susceptible.
4. Peer group management should be applied during drought feeding. Flocks should be divided into groups according to age, sex, size, condition score, pregnancy status and breeds as required to reduce competition during feeding.

5. Feeding every second day is less stressful than daily feeding if there is no natural grazing available.
6. Feed close to the water, close to home and near shade to reduce energy wastage and to increase levels of observation.
7. The use of urea should be carefully monitored. If, for example 1% urea is included in a full feed, 1 kg of feed will include 10g of urea which can be fatal. Dominant animals may eat more than this even if the average intake is for example 900g (the recommended DM intake of a 50 kg sheep for maintenance). Also bear in mind that the rumen flora may not be very active resulting in reduced conversion of urea into protein.
8. Grain overload and rumen acidosis is a common problem even with alkali treated maize if the intake of grain is more than 300 g to 500 g per day.

After adequate rain the natural pastures have very low nutritional levels initially. Malnutrition may still be very serious. We advise that supplementation should only be decreased once the alternative feeds are mature enough to supply the animal's needs.

We also stress the fact that animals that have suffered severely during a drought may need to be vaccinated as soon as they pick up condition to restore their immunity.

Please feel free to contact me for more information.

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