

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

April 2013

Introduction and summary of diseases and other conditions during April 2013

As a result of late summer rains during the first half of April there had been an **increase** in parasite numbers.

Reports of outbreaks of **wireworm**, **long-necked bankrupt worm** and **brown stomach worm** were received. On some farms worm **resistance** to anthelmintic groups led to mortalities. It is important that farmers consult their veterinarian in establishing which drugs are still effective on their farm.

After the first frost wireworm infestations will decline on pastures. Most farmers treat their animals during this period. It is important to discuss your dosing program with your veterinarian so as not to select for resistant parasites.

As animals are put to grazing in vleis during the winter months animals are sure to pick up **liver and conical fluke** infestations. Reports of outbreaks have already been received. Clinical signs of liver fluke infestation are anaemia, bottle jaw and deaths. The most outstanding sign of conical fluke is a projectile diarrhoea. The active ingredient controlling **early immature liver fluke is triclabendazole**.

Increased numbers of **blue ticks** have been reported from many areas and there were increased outbreaks of **Asiatic** and **African red water**. Numerous farmers were caught unawares especially those who did not vaccinate their animals against both these diseases.

Farmers who had been controlling ticks with long acting **macrocyclic lactones** and **fluazurone** had less problems. It is important that these drugs are used sparingly as selection for resistant blue ticks could easily occur.

Anaplasmosis outbreaks were reported throughout the country. This disease is transmitted by biting flies and blue ticks. A vaccine is available and farmers should immunize their animals against this disease.

Heartwater is a disease that is spreading due to infected bont ticks that are spread by game. It is important to quarantine cattle that are brought from heartwater areas as they might be carrying bont ticks. Treat them with acaricides before you introduce them into the herd. Ticks can even be introduced onto a farm with hay.

First cases of **Karoo paralysis** were reported and dr. Roland Larson reported from Graaff-Reinet that the biggest outbreak in 18 years was recorded.

Lumpy skin disease cases were reported from Mpumalanga, North West, Free State, KwaZulu-Natal and Western Cape. Farmers should now plan to vaccinate their animals before the next rainy season as this disease is transmitted by biting insects.

Three day stiff sickness cases were reported from Gauteng, Limpopo, North West and the Free State. Bulls and dairy cattle should be vaccinated before the next rainy season.

Blue tongue outbreaks were reported from most provinces. Careful planning should be done when implementing the vaccination program against blue tongue. Your veterinarian is the best person to help you with this.

Venereal diseases such as **trichomonosis** and **vibriosis** are still reported every month causing huge economic losses to cattle farmers. Bulls should be tested for these diseases and biosecurity measures put in place to prevent clean herds becoming infected.

Pizzle disease (peestersiekte): dr. Ian Vorster of Upington advises the following - rams and ewes that are free of pizzle rot on an infected farm should be given a red tag. These rams and ewes are probably genetically resistant and should be used for breeding **resistant sheep** against this disease.

This disease should be discussed openly and not hidden. Remember this disease can be transmitted for up to a kilometer by flies (wind) and hygiene (disinfection of hands) is very important when examining sheep for pizzle disease.

The following **bacterial diseases** were reported: **swelled head, blackleg, pulpy kidney, redgut, bloodgut, tetanus, botulism, *Brucella ovis*, *Escherichia coli*, salmonellosis, Johnes disease and enzootic abortion.**

Contagious abortion is spreading and every month new cases are reported. Stringent biosecurity measures should be in place supported by vaccination to prevent herds from becoming infected.

The following viral diseases were reported: **Bovine malignant catarrh (snotsiekte)** was reported from Mpumalanga, Gauteng, Limpopo, North West, Free State, KZN and the Eastern Cape. Cattle farmers should make sure that cattle and wildebeest are separated as far as possible from each other. Other viral diseases reported were **infectious bovine rhinotracheitis, enzootic bovine leucosis, warts, orf and rabies.**

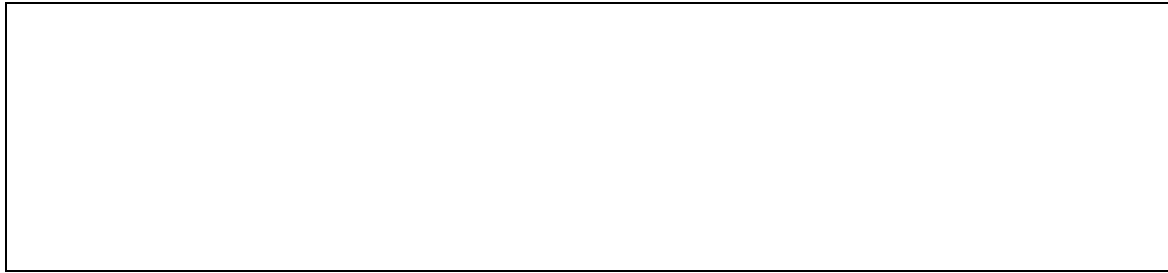
Consult your veterinarian to put a vaccination and biosecurity program in place so as to prevent outbreaks of bacterial and viral diseases.

The following **poisonings** were reported: **urea, tulip, *Lantana*, *Senecio*, Ink-berry, prussic acid, acidosis, chinkerenchee, lead, copper toxicity, *Solanum*, geldikkop, ganskweek, ergot and Phostoxin.**

Multifactorial diseases and conditions reported were: **abortions, poor conception, dystocias, retained afterbirths, navel infections, arthritis, mastitis, lameness, ophthalmia, abscesses, pneumonia, pregnancy toxemia and nutritional deficiencies.**

Numerous mortalities occurred in horses due to **African Horse Sickness** in spite of animals been vaccinated.

For **laboratory results** and a **feedlot report** see the detailed report.



Level of Reporting

The following veterinarians submitted reports for April 2013:

Mpumalanga

Dr. Louis van Jaarsveld – Balfour
Dr. Ben Potgieter – Ermelo
Dr. Gustav Trümpelmann – Lydenburg
Drs. Neil Fourie and Johan Barkhuizen - Middelburg
Drs. Wolfgang Niebuhr en Dieter Weber – Piet Retief
Dr. Kobie Kroon - Standerton
Dr. André Visser – Volksrust

Gauteng

Drs. Rautenbach, Grobler, Carrington, Holm, Blignaut, Prozesky and Annandale –
Onderstepoort Veterinary Academic Hospital
Dr. Hanneke Pienaar - Pretoria

Limpopo

Dr. Henk Visser - Modimolle
Dr. Gavin Watson – Polokwane
Dr. Hampie van Staden – Vaalwater

North West

Dr. Pieter Nel – Christiana
Dr. Ian Jonker – Leeudoringstad
Drs. Gaigher, Grobler, Sparks, Van Egdome, Van Rooyen, Goosen and Van Rensburg –
Rustenburg
Dr. N. J. Heyns - Schweizer Reneke
Dr. Magdaleen Vosser - Stella
Dr. Olaf Marais – Ventersdorp

Free State

Dr. Liezel Wasserman – Clocolan
Dr. Dries Lessing – Frankfort
Dr. Kobus Pretorius – Hoopstad
Drs. Daffue, Eksteen, Van Zyl and Van der Walt - Kroonstad
Drs. Scheepers, Thirion and Nel – Harrismith
Dr. Piet van Zyl – Heilbron
Drs. Van Hasselt and Blaauw - Ladybrand
Dr. Johan Wessels – Parys

Dr. Johan Kahts – Viljoenskroon
Drs. I. Hattingh and W.D. Hauptfleish – Villiers
Dr. Eddie Albertyn – Winburg

KwaZulu-Natal

Drs. Shepherd and Hamman – Bergville
Dr. Anthony van Tonder – Camperdown
Dr. Tony Grace – Dundee
Dr. Stephen Hughes – Howick
Drs. Fowler, Hartley and Mallett – Mooi River
Dr. Trever Viljoen – Mtubatuba
Dr. Silke Pfitzer – Pongola
Drs. Collins, King and Delaney – Underberg

Eastern Cape

Dr. Casper Troskie – Aliwal North
Dr. Roland Larson - Graaff-Reinet
Drs. Van Niekerk and Jansen Van Vuuren – Humansdorp
Drs. Van Rooyen and Viljoen - Middelburg
Dr. Dave Waterman – Stutterheim

Western Cape

Drs. Pienaar and Grobler – Beaufort-West
Dr. Marc Walton - Ceres
Dr. Jannie van der Merwe – Darling
Drs. Strydom, Truter, and Pettifer – George
Dr. Albert van Zyl – Heidelberg
Dr. Otto Kriek – Malmesbury
Dr. John Liebenberg – Malmesbury
Dr. Alfred Kidd – Stellenbosch
Dr. Izak Rust – Vredenburg

Northern Cape

Dr. Jan Vorster - Kathu
Dr. Ian Vorster - Upington

Feed lot report

Drs. Shaun Morris and Eben du Preez - Johannesburg

Laboratory reports

Dr. Lucy Lange and me. Jeanette Wentzel – Pathcare Cape Town
Dr. Marijke Henton - Idexx SA Johannesburg
Dr. J.H. Vorster – Vetdiagnostix - Pietermaritzburg
Dr. Annelize Jonker – Provincial Laboratory - Stellenbosch

Total: 58 reports

General disease trends and discussion as informally reported by veterinarians during April 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	6	2		4	7	6	2	3	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance	3	2		2	3	3	3	3	
Species affected	O	O,C		O	B,O,C	B,O,C,E	O	O,C	

Mpumalanga

Balfour: dr. Louis van Jaarsveld

Wireworm (O 3)

Ermelo: dr. Ben Potgieter

Roundworms (O 2)

Middelburg: drs. Fourie and Barkhuizen

Wireworm (O 3) It is important not to treat ewes too late against wireworm. If animals become anaemic it will affect the ewe badly and she will not conceive. It is important to use the FAMACHA system to assess the anaemia status of the flock.

Piet Retief: drs. Niebuhr and Weber

Roundworms (O 2)

Standerton: dr. Kobie Kroon

Rondewurms (O 3) Huge onslaught of wireworm due to good rains in late summer.

Volksrust: dr. André Visser

Rondewurms (O 2)

Gauteng

Onderstepoort Veterinary Academic Hospital: drs. Rautenbach, Grobler, Carrington, Holm, Blignaut, Prozesky and Annandale

Roundworms (O,C 2)

Pretoria: dr. Hanneke Pienaar

Intestinal roundworms (O 2) In some flocks there are still high burdens of wireworm and most of the anthelmintic groups are still controlling the infestation. However faecal egg counts are high again 3 weeks after treatment. At the end of summer egg counts are declining on most farms.

North West

Christiana: dr. Pieter Nel

Roundworms (O 1)

Leeudoringstad: dr. Ian Jonker

Wireworm (O 2)

Schweizer Reneke: dr. N J Heyns

Wireworm (O 2)

Stella: dr. Magdaleen Vosser

Roundworms (O 2)

Free State

Clocolan: dr. Liezel Wasserman

Roundworms (O 3) Huge problem with wireworm infestation and see more and more resistance to drug groups. Farmers only recognize that there is a problem when sheep have bottle jaws, are anaemic or die. Farmers often use the wrong anthelmintic group when they are very anaemic.

Harrismith: drs. Thirion, Nel and Pretorius

Roundworms (O 3) Numerous wireworm outbreaks where the last treatment was given in February. Severe outbreaks with acute deaths are also encountered. Farmers did not treat their animals due to drier weather conditions.

Frankfort: dr. Dries Lessing

Roundworms (O 3)

Heilbron: dr. Piet van Zyl

Roundworms (O 2)

Hoopstad: dr. Kobus Pretorius

Roundworms (B 1, O 3)

Viljoenskroon: dr. Johan Kahts

Roundworms (O 3)

Villiers: drs. Hattingh and Hauptfleisch

Wireworm (O,C 3)

Bankruptworm (O 1)

KwaZulu-Natal

Bergville: drs. Shepherd and Hamman

Roundworms (O 2) wireworm infestation continues to be a problem in the area. Classic poor growth, anaemia and bottle jaw

Dundee: dr. Tony Grace

Roundworms (O 3) Increasing numbers of chronic infections seen with adult animals showing chronic weight loss.

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

Roundworms (B,O,E 2)

Mtubatuba: dr. Trevor Viljoen

Roundworms (B,O,C 3)

Pongola: dr. Silke Pfitzer

Roundworms (O 2)

Underberg: drs. Collins, King and Delaney

Roundworms (O 3) Particularly a problem in autumn. Drug resistance is a factor and many farmers still not educated in terms of working with resistance/ detecting resistance and clever treatment strategies (holistic). Its still a mindset of treat all (blanket).

Eastern Cape

Aliwal North: dr. Casper Troskie

Long-necked bankruptworm (O 3)

Graaff-Reinet: dr. Roland Larson

Roundworms (O 2) This is a problem for farmers not monitoring this disease.

Western Cape

Beaufort West: drs. Pienaar and Grobler

Roundworms (O,C 3) widespread. Wide spread problems with roundworms, especially wireworm is seen at post mortem, in the Karoo. High egg counts of long-necked bankruptworm are seen in faecal egg counts. The problem is not only seen on irrigated pastures, in vleis and river beds but also on extensive grazing conditions. The large number of animals affected is probably due to good spring rains that occurred.

George: drs. Strydom, Truter and Pettifer

Roundworms (O 2) continuous problem on irrigated pastures.

Heidelberg: dr. Albert van Zyl

Brown stomachworm (O 3)

Resistant roundworms

Province	Mpumalanga	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
Vets reporting this disease	5	1		1	3	3	1	1	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance	3	2		1	2	2	2	3	
Species affected	0	0		0	0	0	0	0	

Mpumalanga

Ermelo: dr. Ben Potgieter

Resistant roundworms (O 2)

Lydenburg: dr. Gustav Trümpelmann

Resistant wireworm (O 3)

Middelburg: drs. Fourie and Barkhuizen

Resistant roundworms (O 3)

Standerton: dr. Kobie Kroon

Resistant roundworms (O 2) numerous cases of resistant wireworm to most of the older anthelmintic groups.

Volksrust: dr. André Visser

Resistant roundworms (O 3)

Gauteng

Pretoria: dr. Hanneke Pienaar

Resistant roundworms (O 2)

North West

Christiana: dr. Pieter Nel

Resistant roundworms (O 1)

Free State

Clocolan: dr. Liezel Wasserman

Resistant roundworms (O 3)

Heilbron: dr. Piet van Zyl

Resistant roundworms (O 2)

Hoopstad: dr. Kobus Pretorius

Resistant roundworms (O 2)

KwaZulu-Natal

Bergville: drs. Shepherd and Hamman

Resistant roundworms (O 2)

Pongola: dr. Silke Pfitzer

Resistant roundworms (O 2)

Underberg: drs. Collins, King and Delaney

Resistant roundworms (O 3)

Eastern Cape

Graaff-Reinet: dr. Roland Larson

Resistant roundworms (O 2)

Western Cape

George: drs. Strydom, Truter and Pettifer

Resistant roundworms (O 3)

Tapeworms

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

Mpumalanga

Standerton: dr. Kobie Kroon

Tapeworms (O 2)

Volksrust: dr. André Visser

Tapeworms (O 2)

Limpopo

Modimolle: dr. Henk Visser

Tapeworms (B,O 2)

Free State

Hoopstad: dr. Kobus Pretorius

Tapeworms (B 1, O 2)

Viljoenskroon: dr. Johan Kahts

Tapeworms (O 3)

Villiers: drs. Hattingh and Hauptfleisch

Tapeworms (O 2)

KwaZulu-Natal

Underberg: drs. Collins, King and Delaney

Tapeworms (O 2)

Liver fluke

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

Mpumalanga

Lydenburg: dr. Gustav Trümpelmann

Liver fluke (B,O 3) outbreaks on three farms.

Middelburg: drs. Fourie and Barkhuizen

Liver fluke (O 1)

Standerton: dr. Kobie Kroon

Liver fluke (B,O 3)

Free State

Frankfort: dr. Dries Lessing

Liver fluke (B 2)

Villiers: drs. Hattingh and Hauptfleisch

Liver fluke (B,O 3)

KwaZulu Natal

Bergville: drs. Shepherd and Hamman

Liver fluke (O 1)

Mtubatuba: dr. Trever Viljoen

Liver fluke (B 2)

Underberg: drs. Collins, King and Delaney

Liver fluke (B 1)

Western Cape

George: drs. Strydom, Truter and Pettifer

Liver fluke (B,O 3)

Conical fluke (Paramphistomosis)

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

Mpumalanga

Ermelo: dr. Ben Potgieter

Conical fluke (B 2)

Volksrust: dr. André Visser

Conical fluke (B 1)

FreeState

Clocolan: dr. Liezel Wasserman

Conical Fluke (O 1)

Frankfort: dr. Dries Lessing

Conical fluke (B 3)

Harrismith: drs. Thirion, Nel and Pretorius

Conical fluke (B 2)

Hoopstad: dr. Kobus Pretorius

Conical fluke (O 1)

Villiers: drs. Hattingh and Hauptfleisch

Conical fluke (B 2)

Eastern Cape

Middelburg: drs. Van Rooyen and Viljoen

Conical fluke (O 2)

Parafilaria

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

Mpumalanga

Ermelo: dr. Ben Potgieter

Parafilaria (B 1)

Limpopo

Modimolle: dr. Henk Visser

Parafilaria (B 2)

KwaZulu-Natal

Camperdown: dr. Anthony van Tonder

Parafilaria (B 1)

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	7	1	2	2	8	6		2	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance	3	1	3	3	3	3		2	
Species affected	B	B	B	B	B	B		B	

Mpumalanga

Balfour: dr. Louis van Jaarsveld

Blue tick infestations under control due to the use of long acting macrocyclic lactones

Ermelo: dr. Ben Potgieter

Blue ticks (B 3)

Lydenburg: dr. Gustav Trümpelmann

Blue ticks (B 3)

Middelburg: drs. Fourie and Barkhuizen

Blue ticks (B 3) During April an explosion of blue ticks occurred – thousands of engorged females were seen on animals. Remember that there is resistance to the acaricides (especially the pyrethroids) present on many farms and it doesn't help to change from one pyrethroid brand name to the other if resistance exists.

Piet Retief: drs. Niebuhr and Weber

Blue ticks (B 3)

Standerton: dr. Kobie Kroon

Blue ticks (B 3) Due to late summer rains the blue tick peak was only reached in April.

Volksrust: dr. André Visser

Blue ticks (B 3)

Gauteng

Onderstepoort Veterinary Academic Hospital: drs. Rautenbach, Grobler, Carrington, Holm, Blignaut, Prozesky and Annandale

Blue ticks (B 1)

Limpopo

Modimolle: dr. Henk Visser

Blue ticks (B 2)

Polokwane: dr. Gavin Watson

Blue ticks (B 3)

North West

Leeudoringstad: dr. Ian Jonker

Blue ticks (B 3)

Schweizer Reneke: dr. N.J. Heyns

Blue ticks (B 3)

Free State

Frankfort: dr. Dries Lessing

Blue ticks (B 3)

Harrismith: drs. Thirion, Nel and Pretorius

Blue ticks (B 2)

Hoopstad: dr. Kobus Pretorius

Blue ticks (B, O 3)

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

Blue ticks (B 2)

Parys: dr. Johan Wessels

Blue ticks (B 2)

Viljoenskroon: dr. Johan Kahts

Blue ticks (B 3)

Villiers: drs. Hattingh and Hauptfleisch

Blue ticks (B 3)

Winburg: dr. Eddie Albertyn

Blue ticks (B 3) After good rains, blue tick infestations are rife.

KwaZulu-Natal

Bergville: drs. Shepherd and Hamman

Blue ticks (B 3)

Dundee: dr. Tony Grace

Blue ticks (B 3) due to wet and warm weather.

Howick: dr. Stephen Hughes

Blue ticks (B 3)

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

Blue ticks (B,E 3)

Mtubatuba: dr. Trever Viljoen

Blue ticks (B 3)

Pongola: dr. Silke Pfitzer

Blue ticks (B 1)

Underberg: drs. Collins, King and Delaney

Blue ticks (B,O 3)

Western Cape

George: drs. Strydom, Truter and Pettifer

Blue ticks (B 3)

Malmesbury: dr. Otto Kriek

Blue ticks (B 1)

Resistant ticks

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

Mpumalanga

Middelburg: drs. Fourie and Barkhuizen

Resistant blue ticks (B 2)

Volkstrust: dr. André Visser

Resistant blue ticks (B 2)

Limpopo

Polokwane: dr. Gavin Watson

Resistant blue ticks (B 3)

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

Resistant blue ticks (B 3) becoming a big problem.

Parys: dr. Johan Wessels

Resistant blue ticks (B 3) Pyrethroid resistance

Villiers: drs. Hattingh and Hauptfleisch

Resistant blue ticks (B 2)

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

Resistant blue ticks (B 1)

Underberg: drs. Collins, King and Delaney

Resistant blue ticks (B 3)

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

Resistant blue ticks (B 3)

Bont-legged ticks

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

Mpumalanga**Volksrust: dr. André Visser**

Bont-legged ticks (B 2)

Gauteng**Onderstepoort Veterinary Academic Hospital: drs. Rautenbach, Grobler, Carrington, Holm, Blignaut, Prozesky and Annandale**

Bont-legged ticks (C 3)

Pretoria: dr. Hanneke Pienaar

Bont-legged ticks (B 2)

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

Bont-legged ticks (B 1)

Leeudoringstad: dr. Ian Jonker

Bont-legged ticks (B 1)

Schweizer-Reneke: dr. N.J. Heyns

Bont-legged ticks (B,O 2)

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

Bont-legged ticks (B,O 2)

Viljoenskroon: dr. Johan Kahts

Bont-legged ticks (B 3)

KwaZulu-Natal

Dundee: dr. Tony Grace

Bont-legged ticks (B 1)

Pongola: dr. Silke Pfitzer

Bont-legged ticks (B 1)

Red-legged ticks

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

Mpumalanga

Lydenburg: dr. Gustav Trümpelmann

Red-legged ticks (B,O 3)

Ermelo: dr. Ben Potgieter

Red-legged ticks (B 2)

KwaZulu-Natal

Dundee: dr. Tony Grace

Red-legged ticks (B 1)

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

Red-legged ticks (B,E 2)

Pongola: dr. Silke Pfitzer

Red-legged ticks (B 1)

Underberg: drs. Collins, King and Delaney

Red-legged ticks (B 3)

Brown ear-ticks

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

Mpumalanga

Ermelo: dr. Ben Potgieter

Brown ear-ticks (B 1)

Piet Retief: drs. Niebuhr and Weber

Brown ear-ticks (B 3)

Standerton: dr. Kobie Kroon

Brown ear-ticks (B 2)

Volksrust: dr. André Visser

Brown ear ticks

Free State

Parys: dr. Johan Wessels

Brown ear-ticks (B 1)

KwaZulu-Natal

Camperdown: dr. Anthony van Tonder

Brown-ear ticks (B 3) infestation causing abscesses.

Dundee: dr. Tony Grace

Brown-ear ticks (B 3) due to warm and wet weather.

Mtubatuba: dr. Trever Viljoen

Brown ear-ticks (B 2)

Pongola: dr. Silke Pfitzer

Brown-ear ticks (B 1)

Underberg: drs. Collins, King and Delaney

Brown ear-ticks (B 2)

Bont ticks (*Amblyomma hebraeum*) Heartwater ticks

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

Limpopo

Modimolle: dr. Henk Visser

Bont ticks (B 3)

Polokwane: dr. Gavin Watson

Heartwater ticks (B 2)

KwaZulu-Natal

Dundee: dr. Tony Grace

Heartwater ticks (B 3)

Mtubatuba: dr. Trever Viljoen

Heartwater ticks (B,O,C 3)

Pongola: dr. Silke Pfitzer

Heartwater ticks (B 1)

Paralysis Ticks

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

Gauteng

Onderstepoort Veterinary Academic Hospital: drs. Rautenbach, Grobler, Carrington, Holm, Blignaut, Prozesky and Annandale

Paralysis ticks (C 1)

Free State

Villiers: drs. Hattingh and Hauptfleisch
Paralysis ticks (C 1)

KwaZulu-Natal

Underberg: drs. Collins, King and Delaney
Paralysis ticks (O 1)

Eastern Cape

Aliwal North: dr. Casper Troskie
Karoo paralysis (O 3)

Graaff-Reinet: dr. Roland Larson

Karoo paralysis ticks (O 3) Biggest outbreak in the last 18 years. Some farmers had 30 to 50 sheep that could not rise. This is very early in the season as there had not been very cold spells and frost which predispose to Karoo paralysis.

Middelburg: drs. Van Rooyen and Viljoen
Karoo paralysis (O,C 2)

Biting Lice

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	2	2		2					
Species affected	B	O		C					

Mpumalanga

Ermelo: dr. Ben Potgieter
Biting lice (B 2)

Gauteng

Onderstepoort Veterinary Academic Hospital: drs. Rautenbach, Grobler, Carrington, Holm, Blignaut, Prozesky and Annandale
Biting lice (O 2)

North West

Schweizer Reneke: dr. N J Heyns
Red lice (C 2)

Sucking Lice

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

Free State

Villiers: drs. Hattingh and Hauptfleisch
Sucking lice (C 1)

Mites (Sheep scab)

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									

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					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	2		2	
Species affected	B				B,O	B,O,E		B	

Mpumalanga

Ermelo: dr. Ben Potgieter

Nuisance flies (B 2)

Free State

Frankfort: dr. Dries Lessing

Nuisance flies (B,O 3)

Hoopstad: dr. Kobus Pretorius

Nuisance flies (O 1)

Villiers: drs. Hattingh and Hauptfleisch

Nuisance flies (B,O,C 2)

KwaZulu-Natal

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

Nuisance flies (B 2)

Mtubatuba: dr. Trevor Viljoen

Nuisance flies (B,C 2)

Underberg: drs. Collins, King and Delaney

Nuisance flies (B,O,E 3)

Western Cape

Stellenbosch: dr. Alfred Kidd

Nuisance flies (B 2)

Screw-worm

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

Limpopo

Modimolle: dr. Henk Visser

Screw-worm (B 3)

Polokwane: dr. Gavin Watson

Screw-worm (B 2)

KwaZulu-Natal

Dundee: dr. Tony Grace

Screw-worm (B 3) One outbreak of screw-worm secondary to tick infestation – mainly affected 5 Sussex crosses in a herd of 289 Sussex and Simbra animals. Huge craters formed in the perineal and ear areas.

Mtubatuba: dr. Trever Viljoen

Screw-worm (B,C 2)

Blowflies

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	3			
Species affected					0	0			

Free State

Frankfort: dr. Dries Lessing

Blowflies (O 3)

Hoopstad: dr. Kobus Pretorius

Blowflies (O 3)

KwaZulu-Natal

Underberg: drs. Collins, King and Delaney

Blowflies (O 3)

Nasal bot larvae

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		1				3	
Species affected		0		0				0	

Gauteng

Pretoria: dr. Hanneke Pienaar

Nasal bot larvae (O 3) still seeing a lot of cases although infestation is declining.

North West

Schweizer Reneke: dr. N J Heyns

Nasal bot larvae (O 1)

Western Cape

Vredenburg: dr. Izak Rust

Nasal bot larvae (O 3)

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				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				2	3			
Species affected	B,O				B,O,C	B,O,E			

Mpumalanga

Volksrust: dr. André Visser

Midges (B,O 3)

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

Midges (B,O 3)

Hoopstad: dr. Kobus Pretorius

Midges (O 1)

Villiers: drs. Hattingh and Hauptfleisch

Midges (B,O,C 2)

KwaZulu-Natal**Mooi River: drs. Fowler, Hartley, Waterman and Mallett**

Midges (B,E 3)

Underberg: drs. Collins, King and Delaney

Midges (B,O,E 2)

Tick-borne diseases

African Red water (*Babesia bigemina*)

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

Mpumalanga**Ermelo: dr. Ben Potgieter**

African red water (B 1)

Lydenburg: dr. Gustav Trümpelmann

Asiatic red water (B 3)

Middelburg: drs. Fourie and Barkhuizen

African red water (B 2) Many farmers only vaccinate their animals against Asiatic red water to save money. As a result we now see many outbreaks of African red water.

Standerton: dr. Kobie Kroon

African red water (B 3)

Gauteng**Onderstepoort Veterinary Academic Hospital: drs. Rautenbach, Grobler,****Carrington, Holm, Blignaut, Prozesky and Annandale**

African red water (B 1)

Limpopo**Vaalwater: dr. Hampie van Staden**

Red water (B 1) Animal died.

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

African red water (B 2)

Frankfort : dr. Dries Lessing

African red water (B 3)

Harrismith: drs. Thirion, Nel and Pretorius

African red water (B 2) Farmers slackened tick control during drier weather which resulted in outbreaks of red water.

Hoopstad: dr. Kobus Pretorius

African red water (B 1)

Parys: dr. Johan Wessels

African red water (B 2)

Viljoenskroon: dr. Johan Kahts

African red water (B 2)

Villiers: drs. Hattingh and Hauptfleisch

African red water (B 3)

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

African red water (B 2)

Howick: dr. Stephen Hughes

African red water (B 3)

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

African red water (B 1)

Mtubatuba: dr. Trever Viljoen

African red water (B 2)

Underberg: drs. Collins, King and Delaney

African red water (B 3)

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

African red water (B 2)

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

African red water (B 3)

Heidelberg: dr. Albert van Zyl

African red water (B 2)

Malmesbury: dr. Otto Kriek

African red water (B 1) due to increase of blue ticks on a farm.

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	5	1	1	1	5	4	1	1	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance	3	2	2	1	2	2	2	3	
Species affected	B	B	B	B	B	B	B	B	

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

Asiatic red water (B 3)

Ermelo: dr. Ben Potgieter

Asiatic red water (B 3) numerous outbreaks.

Middelburg: drs. Fourie and Barkhuizen

Asiatic red water (B 3)

Standerton: dr. Kobie Kroon

Asiatic red water (B 3) Due to late summer rains the blue tick numbers peaked in April with the result that red water outbreaks also occurred later than usual.

Volksrust: dr. André Visser

Asiatic red water (B 3)

Limpopo

Polokwane: dr. Gavin Watson

Asiatic red water (B 2)

North West

Rustenburg: drs. Gaigher, Grobler, Sparks, Van Egdome, Van Rooyen, Goosen and Van Rensburg

Asiatic red water (B 1)

Free State

Clocolan: dr. Liezel Wasserman

Asiatic red water (B 2) prevalence along the Caledon river adjacent to the Lesotho border about 15 km inland. Only see dead animals. Farmers have to vaccinate their cattle.

Frankfort : dr. Dries Lessing

Asiatic red water (B 3)

Harrismith: drs. Thirion, Nel and Pretorius

Asiatic red water (B 2) Farmers slackened tick control during drier weather which resulted in outbreaks of red water.

Villiers: drs. Hattingh and Hauptfleisch

Asiatic red water (B 3)

Viljoenskroon: dr. Johan Kahts

Asiatic red water (B 1) Outbreak in young calves and abortions. Positive on blood-smears.

KwaZulu-Natal

Camperdown: dr. Anthony van Tonder

Asiatic red water (B 3) outbreak in a group of beef calves that were orphaned/abandoned by mothers and hand reared. They developed red water when returned to the main herd.

Howick: dr. Stephen Hughes

Asiatic red water (B 2) Sudden increase in cases, all fatal.

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

Asiatic red water (B 1)

Underberg: drs. Collins, King and Delaney

Asiatic red water (B 3) Due to increase in tick numbers there have been signs of outbreaks either resulting in deaths or clinical cases. Mainly happening in herds that have not been vaccinated or where the farmer forgot to vaccinate. Most of the time the herds/groups are blocked with Diminazene/ Imidocarb.

Eastern Cape

Stutterheim: dr. Dave Waterman

Asiatic red water (B 2) 16 out of 79 animals affected, 2 died.

Western Cape

George: drs. Strydom, Truter and Pettifer

Asiatic red water (B 3) The red water season still in full swing. Resistant blue ticks to acaricides contributes to the problem.

Anaplasmosis

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

Mpumalanga

Middelburg: drs. Fourie and Barkhuizen

Anaplasmosis (B 1)

Volksrust: dr. André Visser

Anaplasmosis (B 2)

Gauteng

Onderstepoort Veterinary Academic Hospital: drs. Rautenbach, Grobler, Carrington, Holm, Blignaut, Prozesky and Annandale

Anaplasmosis (B 1)

North West

Christiana: dr. Pieter Nel

Anaplasmosis (B 1)

Ventersdorp: Olaf Marais

Anaplasmosis (B 2)

Free State

Clocolan: dr. Liezel Wasserman

Anaplasmosis (B 3)

Frankfort : dr. Dries Lessing

Anaplasmosis (B 2)

Harrismith: drs. Thirion, Nel and Pretorius

Anaplasmosis (B 2)

Heilbron: dr. Piet van Zyl

Anaplasmosis (B 1)

Hoopstad: dr. Kobus Pretorius

Anaplasmosis (B 3)

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

Anaplasmosis (B 2)

Parys: dr. Johan Wessels

Anaplasmosis (B 2)

Villiers: drs. Hattingh and Hauptfleisch

Anaplasmosis (B 2)

Viljoenskroon: dr. Johan Kahts

Anaplasmosis (B 3)

KwaZulu-Natal

Bergville: drs. Ariena and Hamman

Anaplasmosis (B 1)

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

Anaplasmosis (B 2)

Underberg: drs. Collins, King and Delaney

Anaplasmosis (B 2)

Eastern Cape**Middelburg: drs. Van Rooyen and Viljoen**

Anaplasmosis (B 2)

Stutterheim: dr. Dave Waterman

Anaplasmosis (B 1) 3 out of 80 mature cows died.

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

Anaplasmosis (B 2)

Malmesbury: dr. John Liebenberg

Anaplasmosis (B 2)

Malmesbury: dr. Otto Kriek

Anaplasmosis (B 2) transmitted by biting flies.

Stellenbosch: dr. Alfred Kidd

Anaplasmosis (B 3) Sporadic outbreaks, main vector is biting flies.

Heartwater

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

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

Heartwater (B 1) Heartwater is not present on the Highveld however a cow died acutely of heartwater near Middelburg. The heartwater tick carrying the disease was probably brought in with cattle from the Bushveld.

Piet Retief: drs. Niebuhr and Weber

Heartwater (B 1)

Gauteng**Onderstepoort Veterinary Academic Hospital: drs. Rautenbach, Grobler, Carrington, Holm, Blignaut, Prozesky and Annandale**

Heartwater (B,C 3) Adult cow from heartwater area died acutely of heartwater.

Limpopo**Modimolle: dr. Henk Visser**

Heartwater (B 1)

Polokwane: dr. Gavin Watson

Heartwater (B 2)

North West

Leeudoringstad: dr. Ian Jonker

Heartwater (B 3)

Rustenburg: drs. Gaigher, Grobler, Sparks, Van Egdom, Van Rooyen, Goosen and Van Rensburg

Heartwater (B 2)

Schweizer Reneke: dr. N.J.Heyns

Heartwater (B 1) this disease is spreading due to game carrying infected ticks.

Ventersdorp: Olaf Marais

Heartwater (B 3)

KwaZulu-Natal**Camperdown: dr. Anthony van Tonder**

Heartwater (B,C 2)

Mtubatuba: dr. Trever Viljoen

Heartwater (B,O,C 3)

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

Heartwater (O 1)

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

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

Sweating sickness (B 1)

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

Sweating sickness (B 1)

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

Sweating disease (B 2)

Viljoenskroon: dr. Johan Kahts

Sweating sickness (B 2)

Insect transmittable diseases

Lumpy skin disease

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

Mpumalanga

Ermelo: dr. Ben Potgieter

Three day stiff sickness (B 1)

Piet Retief: drs. Niebuhr and Weber

Lumpy skin disease (B 3) Severe outbreak in Swaziland

Standerton: dr. Kobie Kroon

Lumpy skin disease (B 1)

Volksrust: dr. André Visser

Lumpy skin disease (B 2)

North West

Leeudoringstad: dr. Ian Jonker

Lumpy skin disease (B 1)

Free State

Hoopstad: dr. Kobus Pretorius

Lumpy skin disease (B 1)

Villiers: drs. Hattingh and Hauptfleisch

Lumpy skin disease (B 2)

KwaZulu-Natal

Bergville: drs. Shepherd and Hamman

Lumpy skin disease (B 1)

Dundee: dr. Tony Grace

Lumpy skin disease (B 3) 20 animals affected , 3 died in a herd of approximately 600 unvaccinated cattle.

Howick: dr. Stephen Hughes

Lumpy skin disease (B 2)

Western Cape

Malmesbury: dr. John Liebenberg

Lumpy skin disease (B 3)

Pseudo Lumpy skin disease (Allerton virus)

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

Bovine ephemeral fever (Three day stiff sickness)

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease		1	1	2	2				

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

Gauteng

Onderstepoort Veterinary Academic Hospital: drs. Rautenbach, Grobler, Carrington, Holm, Blignaut, Prozesky and Annandale

Three day stiff sickness (B 1)

Limpopo

Polokwane: dr. Gavin Watson

Three day stiff sickness (B 1)

North West

Christiana: dr. Pieter Nel

Three day stiff sickness (B 2)

Schweizer Reneke: dr. N.J.Heyns

Three day stiff sickness (B 2)

Free State

Viljoenskroon: dr. Johan Kahts

Three day sickness (B 3)

Villiers: drs. Hattingh and Hauptfleisch

Three day stiff sickness (B 1)

Blue tongue

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

Mpumalanga

Ermelo: dr. Ben Potgieter

Blue tongue (O 3) deaths occurred in all ages in spite of sheep being vaccinated.

Piet Retief: drs. Niebuhr and Weber

Blue tongue (O 1)

Standerton: dr. Kobie Kroon

Blue tongue (O 3)

Volksrust: dr. André Visser

Blue tongue (O 3)

Gauteng

Pretoria: dr. Hanneke Pienaar

Blue tongue (O 2) few cases in flocks that were not vaccinated.

North West

Schweizer Reneke: dr. N J Heyns

Blue tongue (O 1)

Free State

Frankfort: dr. Dries Lessing

Blue tongue (O 3) many flocks affected.

Harrismith: drs. Thirion, Nel and Pretorius

Blue tongue (O 2) At the beginning of April a few outbreaks were seen especially in flocks where vaccine was not administered according to instructions.

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

Blue tongue (O 2)

Viljoenskroon: dr. Johan Kahts

Blue tongue (O 3) Outbreaks mainly in young animals in a flock. These animals were only vaccinated once or not at all.

Villiers: drs. Hattingh and Hauptfleisch

Blue tongue (B,O 3)

KwaZulu Natal

Dundee: dr. Tony Grace

Blue tongue (O 1)

Eastern Cape

Aliwal North: dr. Casper Troskie

Blue tongue (O 3) Asymptomatic, haemorrhages in the pulmonary artery.

Middelburg: drs. Van Rooyen and Viljoen

Blue tongue (O 1)

Rift Valley fever

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

Nagana

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

KwaZulu-Natal

Mtubatuba: dr. Trever Viljoen

Nagana (B 3)

Venereal diseases

Trichomonosis

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

Mpumalanga

Standerton: dr. Kobie Kroon

Trichomonosis (B 3)

Volksrust: dr. André Visser

Trichomonosis (B 3) Areas which had been “clean” for years are now infected due to one or two infected bulls that were brought into the herd. It just shows how fast trichomonosis can spread.

Limpopo

Polokwane: dr. Gavin Watson

Trichomonosis (B 2)

North West

Rustenburg: drs. Gaigher, Grobler, Sparks, Van Egdom, Van Rooyen, Goosen and Van Rensburg

Trichomonosis (B 1)

Free State

Clocolan: dr. Liezel Wasserman

Trichomonosis (B 2)

Harrismith: drs. Thirion, Nel and Pretorius

Trichomonosis (B 2)

Hoopstad: dr. Kobus Pretorius

Trichomonosis (B 3)

Parys: dr. Johan Wessels

Trichomonosis (B 1) Unknown infected bull of a new farmer jumped the fence to a neighbouring stud farmer and infected the heifer herd.

Vets have to explain to new farmers the importance of testing bulls and the reason for biosecurity as they are ignorant of diseases. They think that we are the enemy from a previously advantaged group when we inform them about the problem and tell them about the disease.

We as Vets will have to win these people’s trust and build on it to the benefit of all parties.

Viljoenskroon: dr. Johan Kahts

Trichomonosis (B 3) increasing problem that will not be contained unless all farmers work together to tackle this disease.

Villiers: drs. Hattingh and Hauptfleisch

Trichomonosis (B 3)

Winburg: dr. Eddie Albertyn

In a cow herd that had poor conception last year the following was done. Bulls positive with *Tritrichomonas* were treated. Out of 300 cows only 10 did not conceive.

Eastern Cape

Humansdorp: drs. Van Niekerk and Jansen van Vuuren

Trichomonosis (B 1)

Western Cape

Darling: dr. Jannie van der Merwe

Trichomonosis (B 1) Bull bought and was tested three times for *Tritrichomonas*, and found to be positive.

Malmesbury: dr. John Liebenberg

Trichomonosis (B 1)

Vibriosis

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

Mpumalanga

Lydenburg: dr. Gustav Trümpelmann

Vibriosis (B 2) Two positive herds.

KwaZulu-Natal

Howick: dr. Stephen Hughes

Vibriosis (B 1)

Eastern Cape

Humansdorp: drs. Van Niekerk and Jansen van Vuuren

Vibriosis (B 1)

Western Cape

Malmesbury: dr. John Liebenberg

Vibriosis (B 3)

Peestersiekte / Pizzle disease

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

Free State

Hoopstad: dr. Kobus Pretorius

Peestersiekte (O 1)

Western Cape

Beaufort West: drs. Pienaar and Grobler

Pizzle disease (O 1)

Northern Cape

Upington: dr. Ian Vorster

Rams and ewes that are free of pizzle disease on a farm that is infected should be given a red tag. These rams and ewes are probably genetically resistant and should be used for breeding sheep resistant against this disease.

This disease should be discussed openly and not hidden. Remember this disease can be transmitted for up to a kilometer by flies (wind) and hygiene (disinfection of hands) is very important when examining sheep for pizzle disease.

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	3		2	1	7	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	2	2		2	
Species affected	B,O		B	B	B,O	B		B,O	

Mpumalanga

Lydenburg: dr. Gustav Trümpelmann

Swelled head (B 2) *Clostridium novyi* type A, 4 to 5 cattle died in one herd.

Middelburg: drs. Fourie and Barkhuizen

Swelled head (O 2)

Volksrust: dr. André Visser

Swelled head (B,O 2)

Limpopo

Modimolle: dr. Henk Visser

Blackleg (B 3)

Polokwane: dr. Gavin Watson

Blackleg (B 2)

North West

Schweizer Reneke: dr. N J Heyns

Blackleg (B 2)

Free State

Harrismith: drs. Thirion, Nel and Pretorius

Blackleg (B 2)

Heilbron: dr. Piet van Zyl

Blackleg (B 1)

Hoopstad: dr. Kobus Pretorius

Blackleg (B 2)

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

Blackleg (B 3) young animals not vaccinated.

Ladybrand: drs. Van Hasselt and Blaauw

Blackleg (B 2)

Viljoenskroon: dr. Johan Kahts

Blackleg (B 3)

Villiers: drs. Hattingh and Hauptfleisch

Blackleg (B 1)

KwaZulu-Natal

Bergville: drs. Ariena and Hamman

Blackleg (B 2)

Camperdown: dr. Anthony van Tonder

Blackleg (B 1)

Dundee: dr. Tony Grace

Blackquarter (B 2)

Underberg: drs. Collins, King and Delaney

Blackleg (B 2)

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

Blackleg (O 2)

Swelled head (O 3) Owner usually sees that sheep jump in the air, die acutely and bloat. Rot sets in within hours and haemorrhage and swelling are seen in the neck area. It is important for farmers not only to vaccinate their animals against pulpy kidney but also to use a multiclostridial vaccine.

Malmesbury: dr. John Liebenberg

Blackleg (B 2)

Pulpy Kidney

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

Mpumalanga**Ermelo: dr. Ben Potgieter**

Pulpy kidney (O 1)

Standerton: dr. Kobie Kroon

Pulpy kidney (O 3)

Volkstrust: dr. André Visser

Pulpy kidney (C 1)

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

Pulpy kidney (O,C 2)

Leeudoringstad: dr. Ian Jonker

Pulpy kidney (O 1)

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

Pulpy kidney (O 2)

Harrismith: drs. Thirion, Nel and Pretorius

Pulpy kidney (O 2)

Hoopstad: dr. Kobus Pretorius

Pulpy kidney (O 3)

Villiers: drs. Hattingh and Hauptfleisch

Pulpy kidney (O 2)

KwaZulu-Natal

Underberg: drs. Collins, King and Delaney
Pulpy kidney (O 1)

Eastern Cape

Stutterheim: dr. Dave Waterman
Pulpy kidney (O 1) Acute deaths,3 died. Group of sheep received better nutrition.

Lamb dysentery (*Clostridium perfringens* type B)

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

Red gut (B,P) / Blood gut(O,C)

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

Mpumalanga

Standerton: dr. Kobie Kroon
Blood gut (O 2)

North West

Christiana: dr. Pieter Nel
Blood gut (O 1)

Free State

Frankfort – dr. Dries Lessing

Red gut (B 2)

Villiers: drs. Hattingh and Hauptfleisch

Red gut (B 1)

Blood gut (O 1)

KwaZulu-Natal

Bergville: drs. Shepherd and Hamman

Red gut (B 1)

Mtubatuba: dr. Trever Viljoen

Red gut (B 1)

Tetanus

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

North West

Christiana: dr. Pieter Nel
Tetanus (O 1)

Botulism

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

Mpumalanga

Ermelo: dr. Ben Potgieter

Botulism (B 1)

North West

Christiana: dr. Pieter Nel

Botulism (B 3)

Free State

Hoopstad: dr. Kobus Pretorius

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	1		2		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		1		3	1			
Species affected	B		B		B	B			

Gauteng

Onderstepoort Veterinary Academic Hospital: drs. Rautenbach, Grobler, Carrington, Holm, Blignaut, Prozesky and Annandale

Brucellosis (B 2)

Limpopo

Modimolle: dr. Henk Visser

Brucellosis (B 1)

Polokwane: dr. Gavin Watson

Brucellosis (B 1) Poor control over movement of animals out of positive herds.

Free State

Frankfort: dr. Dries Lessing

Brucellosis (B 3)

Heilbron: dr. Piet van Zyl

Brucellosis (B 3) A herd which had tested negative for years suddenly tested 30% positive within a year with accompanying abortions. Vaccination program had been followed according to owner.

Hoopstad: dr. Kobus Pretorius

Brucellosis (B 3)

Viljoenskroon: dr. Johan Kahts

Brucellosis (B 3)

Villiers: drs. Hattingh and Hauptfleisch

Brucellosis (B 3) Infection rate remains high and new infected herds are diagnosed.

KwaZulu-Natal

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

Brucellosis (B 1) Milk ring test positive, Farmer suspect positive result due to vaccination contamination in adult cows.

Johnes 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			B					O	

Limpopo

Polokwane: dr. Gavin Watson

Johnes disease (B 1)

Western Cape

Darling: dr. Jannie van der Merwe

Johnes disease (O 2) Two new cases – lean sheep seen during scanning.

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

Eastern Cape

Graaff-Reinet: dr. Roland Larson

Ram disease (*Brucella ovis*) (O 3) Owner reported poor conception in ewes (275 out of 500 ewes conceived). Rams were tested and 22 tested positive for *B.ovis*.

Middelburg: drs. Van Rooyen and Viljoen

Brucella ovis (O 1)

North West

Upington: dr. Ian Vorster

Ram disease (O 3) A new client bought rams, from 26 only 8 were fertile. Eighteen rams tested positive for *B.ovis*. Last year the flock was free of brucellosis. It is absolutely important to make sure that new rams are free of venereal diseases.

In another flock where biosecurity measures are in place 76 rams were tested and all were fertile and disease free.

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							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		

Eastern Cape

Middelburg: drs. Van Rooyen and Viljoen

Actinobacillus seminis (O 1)

E. coli

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

Free State

Viljoenskroon: dr. Johan Kahts

E. coli (B 3)

Eastern Cape

Graaff-Reinet: dr. Roland Larson

E. coli (O 2) Lambs born on pastures. Due to navel infections lambs are infected with *E. coli* leading to meningoencephalitis. Nervous symptoms seen are bent necks, continuous chewing and lambs die of hunger.

Western Cape

Beaufort West: drs. Pienaar and Grobler

E. coli (O 1)

Malmesbury: dr. John Liebenberg

E. coli (B 3)

Northern Cape

Upington: dr. Ian Vorster

E. coli (O 3) Acute deaths in lambs after the rain and cold conditions. At post mortem anterior enteritis was seen.

Salmonellosis

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

North West

Christiana: dr. Pieter Nel

Salmonellosis (B 1)

Free State

Clocolan: dr. Liezel Wasserman

Salmonellosis (B 2)

Viljoenskroon: dr. Johan Kahts

Salmonellosis (B 2)

KwaZulu-Natal

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

Leptospirosis

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

Lumpy wool (*Dermatophilus*)

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
Vets reporting this disease								1	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance								2	
Species affected								0	

Western Cape

Darling: dr. Jannie van der Merwe
Lumpy wool (O 2)

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									3
Species affected									0

North West

Upington: dr. Ian Vorster

Chlamydiosis (O 3) Eye infections, weak lambs were born and swollen joints were seen in lambs in the Van Wyksvlei area.

Other Bacterial infections

Limpopo

Modimolle: dr. Henk Visser
Tuberculosis (B 1)

Viral diseases

Bovine Malignant Catarrh - BMC (Snotsiekte)

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

Mpumalanga

Balfour: dr. Gustav Trümpelmann

Snotsiekte (B 3) 18 deaths

Gauteng

Onderstepoort Veterinary Academic Hospital: drs. Rautenbach, Grobler, Carrington, Holm, Blignaut, Prozesky and Annandale

Snotsiekte (B 3) In Middelburg 40 animals died. Many other isolated cases around Onderstepoort and surrounding areas. All animals died.

Limpopo

Modimolle: dr. Henk Visser

BMC (B 3)

Polokwane: dr. Gavin Watson

BMC (B 2)

North West

Leeudoringstad: dr. Ian Jonker

Snotsiekte (B 1)

Ventersdorp: Olaf Marais

Snotsiekte (B 1) one case where wildebeest and cattle were in the same camp.

Free State

Harrismith: drs. Thirion, Nel and Pretorius

Snotsiekte (B 1) Cows were moved from a camp adjacent to a wildebeest camp. Two and a half months later had 2 cases of BMC.

Heilbron: dr. Piet van Zyl

Snotsiekte (B 1)

Winburg: dr. Eddie Albertyn

Snotsiekte (B 1) Cow died due to BMC. One wildebeest was in a camp adjacent to cattle. Cow died acutely within a day.

KwaZulu-Natal

Dundee: dr. Tony Grace

Snotsiekte (B 3) 6 animals affected in a herd of 180 cattle next to game farm, as reported last month – initial samples sent for PCR were negative. More samples have been submitted to Onderstepoort.

Mtubatuba: dr. Trever Viljoen

Snotsiekte (B 1)

Eastern Cape

Aliwal North: Casper Troskie

Snotsiekte (B 2) Seven animals died, 1 kilometer from wildebeest with atypical symptoms. Cattle lost weight and died.

BVD

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

Level of importance									
Species affected									

IBR

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

Gauteng

Onderstepoort Veterinary Academic Hospital: drs. Rautenbach, Grobler, Carrington, Holm, Blignaut, Prozesky and Annandale

IBR abortions (B 1)

Free State

Viljoenskroon: dr. Johan Kahts

IBR (B 2)

KwaZulu-Natal

Bergville: drs. Shepherd and Hamman

IBR (B 1)

Mtubatuba: dr. Trever Viljoen

IBR (B 1)

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		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	
Species affected		B				B		B	

Gauteng

Onderstepoort Veterinary Academic Hospital: drs. Rautenbach, Grobler, Carrington, Holm, Blignaut, Prozesky and Annandale

EBL (B 2)

KwaZulu-Natal

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

Western Cape

Malmesbury: dr. John Liebenberg
EBL (B 3)

Warts & Orf

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

Mpumalanga

Ermelo: dr. Ben Potgieter
Warts (B 1)

Lydenburg: dr. Gustav Trümpelmann
Orf (O 3) outbreaks in 2 flocks

Standerton: dr. Kobie Kroon
Warts (B2)

Gauteng

Onderstepoort Veterinary Academic Hospital: drs. Rautenbach, Grobler, Carrington, Holm, Blignaut, Prozesky and Annandale
Orf (C 1)
Warts (C 1)

Limpopo

Modimolle: dr. Henk Visser
Warts (B 1)

Polokwane: dr. Gavin Watson
Warts (B 1)

North West

Christiana: dr. Pieter Nel
Warts (B 1)

Rustenburg: drs. Gaigher, Grobler, Sparks, Van Egdome, Van Rooyen, Goosen and Van Rensburg
Orf (O 1)

Free State

Frankfort: dr. Dries Lessing
Warts (B 3)

Hoopstad: dr. Kobus Pretorius
Warts (B 3)

Kroonstad: drs. Daffue, Eksteen, van Zyl and Van der Walt
Orf (C 1)

Viljoenskroon: dr. Johan Kahts

Orf (O 3)

Winburg: dr. Eddie Albertyn

Orf (O 1)

KwaZulu-Natal

Mtubatuba: dr. Trever Viljoen

Warts (B 2)

Pongola: dr. Silke Pfitzer

Orf (O 2)

Underberg: drs. Collins, King and Delaney

Orf (O 2)

Eastern Cape

Middelburg: drs. Van Rooyen and Viljoen

Orf (O 2)

Western Cape

Stellenbosch: dr. Alfred Kidd

Warts (B 1)

Rabies

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

Limpopo

Modimolle: dr. Henk Visser

Rabies in a jackal.

Free State

Heilbron: dr. Piet van Zyl

Rabies (B 1)

Jaagsiekte

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

Other viral infections

West Nile Fever virus

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

Gauteng

Pretoria: dr. Hanneke Pienaar

Ringworm (O 2)

North West

Christiana: dr. Pieter Nel

Ringworm (B 1)

Rustenburg: drs. Gaigher, Grobler, Sparks, Van Egdome, Van Rooyen, Goosen and Van Rensburg

Ringworm (B 1)

Free State

Frankfort : dr. Dries Lessing

Ringworm (O 2)

Hoopstad: dr. Kobus Pretorius

Ringworm (B 1)

KwaZulu-Natal

Mtubatuba: dr. Trever Viljoen

Ringworm (B, E 2)

Underberg: drs. Collins, King and Delaney

Ringworm (B 1)

Northern Cape

Upington: dr. Ian Vorster

Ringworm (O 3) Sheep treated with 4% lime sulphur with a wetting agent. Spray the kraals, neck clamps, selffeeders etc and all utensils with 2% formalin.

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

Mpumalanga

Ermelo: dr. Ben Potgieter

Coccidiosis (O 1)

Piet Retief: drs. Niebuhr and Weber

Coccidiosis (O 1)

Volksrust: dr. André Visser

Coccidiosis (O,C 2)

Gauteng

Pretoria: dr. Hanneke Pienaar

Coccidiosis (O 3)

Free State

Villiers: drs. Hattingh and Hauptfleisch

Coccidiosis (O,C 3)

KwaZulu-Natal

Mtubatuba: dr. Trever Viljoen

Coccidiosis (O,C 2)

Western Cape

Stellenbosch: dr. Alfred Kidd

Coccidiosis (B 3) in calves standing in kraals.

Other Protozoal diseases

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Poisoning

Urea poisoning

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

Mpumalanga

Ermelo: dr. Ben Potgieter

Urea poisoning (B 1)

Free State

Clocolan: dr. Liezel Wasserman

Urea poisoning (B 3)

KwaZulu-Natal

Bergville: drs. Shepherd and Hamman

Urea poisoning (B 1)

Tulip 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				2				2	
Species affected				O				B	

North West

Stella: dr. Magdaleen Vosser

Tulip poisoning (O 2)

KwaZulu-Natal

Bergville: drs. Shepherd and Hamman

Tulip poisoning (B 2)

Lantana poisoning

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

KwaZulu-Natal

Camperdown: dr. Anthony van Tonder

Lantana (B 1)

Gifblaar poisoning

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

Senecio poisoning

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

Eastern Cape

Aliwal North: dr. Casper Troskie

Senecio poisoning (B 3) on top of the mountains in Barkley-East.

Cestrum poisoning (Ink-berry)

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

North West

Schweizer Reneke: dr. N J Heyns

Cestrum (B 2)

Eastern Cape

Humansdorp: drs. Van Niekerk and Jansen van Vuuren

Cestrum (B 1)

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						
Level of 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						

Limpop

Modimolle: dr. Henk Visser

Prussic acid poisoning (B 1)

Acidosis

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

Gauteng

Onderstepoort Veterinary Academic Hospital: drs. Rautenbach, Grobler, Carrington, Holm, Blignaut, Prozesky and Annandale

Acidosis (O 1)

North West

Ventersdorp: Olaf Marais

Acidosis (O 1) due to maize overload.

KwaZulu-Natal

Camperdown: dr. Anthony van Tonder

Rumen acidosis (B 1)

Western Cape

Malmesbury: dr. Otto Kriek

Acidosis (B 2)

Other poisonings

Gauteng

Onderstepoort Veterinary Academic Hospital: drs. Rautenbach, Grobler, Carrington, Holm, Blignaut, Prozesky and Annandale

Lead/chinkerenchee poisoning (B 1)

North West

Stella: dr. Magdaleen Vosser

Copper toxicity (O 1) 20 stud sheep on a full ration containing 33% chicken litter developed copper toxicity and 2 died. Confirmed due to high kidney and liver copper values.

Free State

Villiers: drs. Hattingh and Hauptfleisch

Blue green algae (B,O 2)

Eastern Cape

Graaff-Reinet: dr. Roland Larson

Solanum eleaegnifolium (B 1) These plants contain solanine. The clinical signs of acute solanine poisoning include dermatitis, apathy, drowsiness, salivation, dyspnoea, trembling, progressive weakness and ultimately paralysis and unconsciousness. It may also have an irritant effect on the gastrointestinal tract giving rise to anorexia, nausea, abdominal pain, vomiting and constipation or diarrhoea (Kellerman et al. 2005. Plant Poisonings and Mycotoxicoses of Livestock in Southern Africa).

North West

Upington: dr. Ian Vorster

Geeldikkop (O 3) was seen after the rains.

Eastern Cape

Stutterheim: dr. Dave Waterman

Lasiospermum (ganskweek) toxicity in cattle. Four dead, moved cattle to safe pasture and deaths stopped.

Western Cape

Heidelberg: dr. Albert van Zyl

Ergot poisoning in cows.

Malmesbury: dr. Otto Kriek

Phostoxin poisoning (B 3) 13 dairy cows died when they broke into a shed and ate corn that had been treated with Phostoxin.

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

Mpumalanga

Ermelo: dr. Ben Potgieter

Abortions (B 3).

Gauteng

Onderstepoort Veterinary Academic Hospital: drs. Rautenbach, Grobler, Carrington, Holm, Blignaut, Prozesky and Annandale

Abortions due to IBR and Brucellosis (B 3)

Abortions (O 2) 6 out of 6 ewes aborted when vaccinated with live blue tongue vaccine.

Limpopo

Modimolle: dr. Henk Visser

Abortions (B 2)

North West

Christiana: dr. Pieter Nel

Abortions (B 2)

Leeudoringstad: dr. Ian Jonker

Abortions (B 1)

Stella: dr. Magdaleen Vosser

Abortions (B 3) on 2 extensive beef cattle farms. Poor conception and the cause could not be established.

Free State

Frankfort : dr. Dries Lessing

Abortions (B,O 2)

Heilbron: dr. Piet van Zyl

Abortions (B 3) Examined beef cows for pregnancy before auction. 25% of heifers that were confirmed as pregnant previously were not pregnant. Thirty days after the auction heifers from 2 other members aborted in an abortion storm. Swabs from heifers that were busy aborting confirmed *Trueperella pyogenes* as the bacteria causing the abortion.

Hoopstad: dr. Kobus Pretorius

Abortions (B,O 3)

Viljoenskroon: dr. Johan Kahts

Abortions (B 2)

Villiers: drs. Hattingh and Hauptfleisch

Abortions (B,O 2)

KwaZulu-Natal

Bergville: drs. Shepherd and Hamman

Abortions (O 3) Late term abortions, of the 3 sent for histopathology only one conclusive result of fungal necrotic placentitis – this farm experienced about 10 abortions. The source of infection is believed to be contaminated hay.
The remaining abortions have not been fresh enough or with placenta intact to send.

Howick: dr. Stephen Hughes

Abortions (B 2)

Mtubatuba: dr. Trever Viljoen

Abortions (B,C 2)

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

Abortions (B 3)

Western Cape

Malmesbury: dr. John Liebenberg

Abortions (B 3)

Malmesbury: dr. Otto Kriek

Abortions and resorptions (B 2) due to mouldy silage. The silage pit was opened, closed again and then reopened.

Stellenbosch: dr. Alfred Kidd

Abortions (B 2) up to now no confirmed diagnosis.

Poor Conception

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

Mpumalanga

Ermelo: dr. Ben Potgieter

Poor conception (B 2)

Volksrust: dr. André Visser

Poor conception (B 3)

North West

Christiana: dr. Pieter Nel

Poor conception (B 3) Grazing in April is good and many female animals are in estrus and bulls are very active. The summer was hot and dry and due to adverse conditions there had been low activity in females.

Schweizer Reneke: dr. N. J. Heyns

Poor conception (B 3) percentage varies from 40-96%. Low percentage due to drought, high temperatures during breeding season and old age of cows.

Free State

Harrismith: drs. Thirion, Nel and Pretorius

In general good conception figures (95% plus) were achieved where management is good and where venereal diseases are under control. Where this is not the case pregnancy rates drop to 50 to 60%.

Hoopstad: dr. Kobus Pretorius

Poor conception (B3, O 2)

Villiers: drs. Hattingh and Hauptfleisch

Poor conception (B,O 2)

KwaZulu-Natal

Howick: dr. Stephen Hughes

Poor conception (B 2) Poor nutritional management and bull management.

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

Poor conception (B 2) Poor conception and anoestrus cows. Especially in first calving dairy cows.

Underberg: drs. Collins, King and Delaney

Poor conception (B 3) Usually multifactorial but attention needs to be paid to nutrition most likely **energy** being the critical element.

Western Cape

Malmesbury: dr. John Liebenberg

Poor conception (B 3)

Vredenburg: dr. Izak Rust

Poor conception (O 3) Ewes on lucern grazing were given extra silage which had been mouldy. Out of 600 ewes that were pregnant (scanned), 150 did not lamb. Suspect that moulds caused resorption of fetuses.

Northern Cape

Kathu: dr. Jan Vorster

Poor conception (B 3) Very poor grazing conditions lead to loss of condition in animals. This is the main reason for low conception rates. Protein energy malnutrition (PEM)-poor and dry matter intake, digestibility and quality of food not optimal.

Dystocia

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

Mpumalanga

Ermelo: dr. Ben Potgieter

Dystocia (B 1)

Volksrust: dr. André Visser

Dystocia (B 2)

Gauteng

Onderstepoort Veterinary Academic Hospital: drs. Rautenbach, Grobler, Carrington, Holm, Blignaut, Prozesky and Annandale

Dystocia (B 1)

North West

Christiana: dr. Pieter Nel

Dystocia (B 1)

Leeudoringstad: dr. Ian Jonker

Dystocia (B 1)

Rustenburg: drs. Gaigher, Grobler, Sparks, Van Egdom, Van Rooyen, Goosen and Van Rensburg

Dystocia (B 2)

Free State

Heilbron: dr. Piet van Zyl

Dystocia (B 1)

Hoopstad: dr. Kobus Pretorius

Dystocia (B 3)

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

Dystocia (B 1)

Viljoenskroon: dr. Johan Kahts

Dystocia (B 1)

Villiers: drs. Hattingh and Hauptfleisch

Dystocia (B 1)

Winburg: dr. Eddie Albertyn

Dystocia (B 1)

KwaZulu-Natal

Bergville: drs. Shepherd and Hamman

Dystocia (O 3) Nothing out of the ordinary – overweight ewes with large singles or multiples that needed help

Camperdown: dr. Anthony van Tonder

Dystocia (C 1)

Dundee: dr. Tony Grace

Dystocia (B 2)

Howick: dr. Stephen Hughes

Dystocia (B 2)

Mtubatuba: dr. Trever Viljoen

Dystocia (B 2)

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

Dystocia (B 1)

Underberg: drs. Collins, King and Delaney

Dystocia (B,O 2)

Eastern Cape

Humansdorp: drs. Van Niekerk and Jansen van Vuuren

Dystocia (B 2)

Western Cape

Malmesbury: dr. John Liebenberg

Dystocia (B 3)

Stellenbosch: dr. Alfred Kidd

Dystocia (B 3) make sure that bulls with calving ease are used.

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					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	3		3	

Species affected					B	B		B	
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Free State

Hoopstad: dr. Kobus Pretorius

Metritis (B 2)

KwaZulu-Natal

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

Metritis (B 3)

Mtubatuba: dr. Trever Viljoen

Metritis (B 2)

Underberg: drs. Collins, King and Delaney

Metritis (B 3)

Western Cape

George: drs. Strydom, Truter and Pettifer

Metritis (B 2) could this be due to poor hygiene during calving?

Malmesbury: dr. John Liebenberg

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

Mpumalanga

Ermelo: dr. Ben Potgieter

Retained afterbirth (B 1)

Free State

Hoopstad: dr. Kobus Pretorius

Retained placenta (B 2)

Viljoenskroon: dr. Johan Kahts

Retained placenta (B 3)

KwaZulu-Natal

Bergville: drs. Shepherd and Hamman

Retained afterbirth (O 2)

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

Retained afterbirth (B 2)

Mtubatuba: dr. Trever Viljoen

Retained afterbirth (B,C 2)

Underberg: drs. Collins, King and Delaney

Retained afterbirth (B 2)

Western Cape

Malmesbury: dr. John Liebenberg

Retained afterbirths (B 3)

Prolapses

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
Vets reporting this disease					12				
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance					2				
Species affected					B,O				

Free State

Villiers: drs. Hattingh and Hauptfleisch

Prolaps (B,O 2)

Winburg: dr. Eddie Albertyn

Prolaps (O 2)

Navel infections

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

North West

Christiana: dr. Pieter Nel

Navel infection (B 2)

Free State

Villiers: drs. Hattingh and Hauptfleisch

Navel infection (B 1)

KwaZulu-Natal

Bergville: drs. Shepherd and Hamman

Navel infection (O 1)

Western Cape

Malmesbury: dr. John Liebenberg

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		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		1	1		1	1		2	
Species affected		O	B		B	B		B	

Gauteng

Onderstepoort: drs. Harmse and Grobler

Pretoria: dr. Hanneke Pienaar

Arthritis (O 1)

Limpopo

Polokwane: dr. Gavin Watson

Arthritis (B 1)

Free State

Hoopstad: dr. Kobus Pretorius

Arthritis (B 1)

Villiers: drs. Hattingh and Hauptfleisch

Arthritis (B 1)

Western Cape

Malmesbury: dr. John Liebenberg

Arthritis (B 2)

Mastitis

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

Mpumalanga

Balfour: dr. Louis van Jaarsveld

Blue udder (O 3) seven sheep died.

Mastitis (B 3) due to *Escherichia coli* and *Staphylococcus aureus*.

Volksrust: dr. André Visser

Mastitis (B 1)

Free State

Villiers: drs. Hattingh and Hauptfleisch

Mastitis (B 1)

KwaZulu-Natal

Bergville: drs. Shepherd and Hamman

Mastitis (O 3) 2 weeks before lambing and then immediately post lambing. Insufficient protein in diet is causing the thickened milk preceding the mastitis in early lactation ewes.

Camperdown: dr. Anthony van Tonder

Mastitis (B 2)

Howick: dr. Stephen Hughes

Mastitis (B 3) Many more cases on a number of farms and occurring in cows fresh in milk. Environmental mastitis due to wet weather.

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

Mastitis (B 3)

Mtubatuba: dr. Trever Viljoen

Mastitis (B 2)

Underberg: drs. Collins, King and Delaney

Mastitis (B 3)

Eastern Cape

Humansdorp: drs. Van Niekerk and Jansen van Vuuren

Mastitis (B 3)

Middelburg: drs. Van Rooyen and Viljoen

Mastitis (B 1)

Western Cape

George: drs. Strydom, Truter and Pettifer

Mastitis (B 3) mainly due to *Staphylococcus aureus* and a few cases of *E.coli* seen.

Malmesbury: dr. John Liebenberg

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

Mpumalanga

Ermelo: dr. Ben Potgieter

Lameness (O 2)

Lydenburg: dr. Gustav Trümpelmann

Footrot (B 3)

Middelburg: drs. Fourie and Barkhuizen

Lameness (O 1)

Gauteng

Onderstepoort Veterinary Academic Hospital: drs. Rautenbach, Grobler, Carrington, Holm, Blignaut, Prozesky and Annandale

Interdigital dermatitis (B 2) Bont-legged ticks causing lameness, wounds and trauma in cattle.

Pretoria: dr. Hanneke Pienaar

Lameness (O 2)

Limpopo

Polokwane: dr. Gavin Watson

Lameness (B 2)

North West

Lameness (B 3) Phosphate levels in grazing is very low. Pica developed which in turn led to botulism.

Free State

Heilbron: dr. Piet van Zyl

Lameness (O 2)

Hoopstad: dr. Kobus Pretorius

Lameness (B,O 1)

Viljoenskroon: dr. Johan Kahts

Lameness (B 3)

Villiers: drs. Hattingh and Hauptfleisch

Lameness (B,O 2)

KwaZulu-Natal

Bergville: drs. Shepherd and Hamman

Lameness (O 2)

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

Lameness (B,O,E 3)

Mtubatuba: dr. Trever Viljoen

Lameness (B,C 2)

Underberg: drs. Collins, King and Delaney

Lameness (B,O 3)

Western Cape**Malmesbury: dr. John Liebenberg**

Lameness (B 3)

Malmesbury: dr. Otto Kriek

Lameness (B 3) due to mud packing between hooves.

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

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

Diarrhoea (B 3)

KwaZulu-Natal**Bergville: drs. and Hamman**

Diarrhoea (B 2)

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

Diarrhoea (B 1)

Mtubatuba: dr. Trever Viljoen

Diarrhoea (B,O,C 2)

Underberg: drs. Collins, King and Delaney

Diarrhoea (B 3)

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

Diarrhoea (B,O 1)

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

Diarrhoea (O 2) two outbreaks in orphan lambs.

George: drs. Strydom, Truter and Pettifer

Diarrhoea (B 2) mainly in adult cows, still busy looking for the cause but suspect plant poisoning.

Malmesbury: dr. John Liebenberg

Diarrhoea (B 3)

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	3	1	1	3	6	4	1	2	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance	2	1	1	3	3	3	3	3	
Species affected	B,O	O	B	B,O	B,O	B,O	O,C	B,O	

Mpumalanga

Ermelo: dr. Ben Potgieter

Ophthalmia (B 2)

Middelburg: drs. Fourie and Barkhuizen

Ophthalmia (O 1)

Volksrust: dr. André Visser

Ophthalmia (B,O 3)

Gauteng

Pretoria: dr. Hanneke Pienaar

Ophthalmia (O 1)

Limpopo

Modimolle: dr. Henk Visser

Ophthalmia (B 1)

North West

Christiana: dr. Pieter Nel

Ophthalmia (B,O 3) Vitamin A deficiency plays a major role in the occurrence of eye problems

Leeudoringstad: dr. Ian Jonker

Ophthalmia (B,O 3)

Ventersdorp: Olaf Marais

Ophthalmia (O 3)

Free State

Frankfort: dr. Dries Lessing

Ophthalmia (B 3)

Hoopstad: dr. Kobus Pretorius

Ophthalmia (B,O 2)

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

Ophthalmia (B,O 2) Predisposing conditions are dry dusty conditions. Sheep are kraaled and affected sheep are not isolated.

Parys: dr. Johan Wessels

Ophthalmia (B,O 2)

Viljoenskroon: dr. Johan Kahts

Ophthalmia (B 3)

Villiers: drs. Hattingh and Hauptfleisch

Ophthalmia (B,O 3)

KwaZulu-Natal

Camperdown: dr. Anthony van Tonder

Ophthalmia (B 3) in a herd due to insufficient dipping.

Dundee: dr. Tony Grace

Ophthalmia (B 3)

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

Ophthalmia (O 1)

Underberg: drs. Collins, King and Delaney

Ophthalmia (B 3)

Eastern Cape

Middelburg: drs. Van Rooyen and Viljoen

Ophthalmia (O,C 3)

Western Cape

Heidelberg: dr. Albert van Zyl

Ophthalmia (B,O 3)

Malmesbury: dr. John Liebenberg

Ophthalmia (B 3)

Abscesses

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

Mpumalanga

Lydenburg: dr. Gustav Trümpelmann

Abscesses (B 3)

Gauteng

Onderstepoort Veterinary Academic Hospital: drs. Rautenbach, Grobler,

Carrington, Holm, Blignaut, Prozesky and Annandale

Sitsiekte (B 1) due to abscess on the spinal cord in a bull

CLA (C 2) abscesses caused by *Pseudotuberculosis ovis*.

Pretoria: dr. Hanneke Pienaar

Abscesses (O 3) On a few farms needles were not sterilized after treating animals with abscesses. Animals with abscesses were not isolated and on these farms the disease is spreading.

Limpopo

Modimolle: dr. Henk Visser

Abscesses (B 2)

Polokwane: dr. Gavin Watson

Abscesses (B 2)

North West

Christiana: dr. Pieter Nel

Abscesses (B 3)

Leeudoringstad: dr. Ian Jonker

Abscesses (B,O,C 3)

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

Abscesses (B 2)

Hoopstad: dr. Kobus Pretorius

Abscesses (O 2)

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

Abscesses (B 2)

Camperdown: dr. Anthony van Tonder

Abscesses (B 3) in parotid lymph glands caused by ticks due to insufficient dipping program.

Dundee: dr. Tony Grace

Abscesses (B 1)

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

Abscesses (B,O,E 3)

Mtubatuba: dr. Trever Viljoen

Abscesses (B,C 2)

Underberg: drs. Collins, King and Delaney

Abscesses (B,O 3)

Western Cape**Darling: dr. Jannie van der Merwe**

Abscesses (B 3) in high producing dairy cows. Probably due to infected needles and lowered immunity due to subclinical ketosis.

Malmesbury: dr. John Liebenberg

Abscesses (B 3)

Pneumonia

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
Vets reporting this disease	1	1		1	7	5	1	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		3	2	2	1	2	3
Species affected	B,O	O		B	B,O	B,O,C	B	B,O	O

Mpumalanga**Ermelo: dr. Ben Potgieter**

Pneumonia (B,O 2)

Gauteng**Pretoria: dr. Hanneke Pienaar**

Pneumonia (O 1)

North West**Schweizer Reneke: dr. N J Heyns**

Pneumonia (B 3) pasteurellosis

Free State

Clocolan: dr. Liezel Wasserman

Pneumonia (B,O 2)

Harrismith: drs. Thirion, Nel and Pretorius

Pneumonia (B,O 2) Numerous cases of pneumonia and a few deaths in weaner calves and lambs after the first cold spell.

Heilbron: dr. Piet van Zyl

Pneumonia (B 1)

Hoopstad: dr. Kobus Pretorius

Pneumonia (B,O 3)

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

Pneumonia (B,O 2) due to cold, wet weather and large differences between day and night temperatures.

Ladybrand: drs. Van Hasselt and Blaauw

Pneumonia (B 1)

Villiers: drs. Hattingh and Hauptfleisch

Pneumonia (B,O 3)

KwaZulu-Natal

Bergville: drs. Ariena and Hamman

Pneumonia (B,O 3) Respiratory virus complex playing role in local feedlot who has lost several animals and *Pasteurella* lungs complicated with *Trueperella* bacterium abscess found in lambs with poor colostral transfer – especially in lambs born out of season

Howick: dr. Stephen Hughes

Pneumonia (B 2)

Mtubatuba: dr. Trever Viljoen

Pneumonia (O,C 2)

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

Pneumonia (B 2)

Underberg: drs. Collins, King and Delaney

Pneumonia (B,O 3)

Eastern Cape

Humansdorp: drs. Van Niekerk and Jansen van Vuuren

Pneumonia (B 1) 10 calves (weaner Holsteins aged 3 months) had pneumonia – *Pasteurella multocida* was isolated.

Western Cape

Beaufort-West: drs. Pienaar and Grobler

Pneumonia (O 1)

Ceres: dr. Marc Walton

Pneumonia (B 2) in an adult bull and cow which died.

Darling: dr. Jannie van der Merwe

Pneumonia (O 3) in adult ewes.

George: drs. Strydom, Truter and Pettifer

Pneumonia (B,O 2)

Malmesbury: dr. John Liebenberg

Pneumonia (B 3)

Malmesbury: dr. Otto Kriek

Pneumonia (B 3)

Northern Cape

Upington: dr. Ian Vorster

Pneumonia (O 3) in especially 2 tooth sheep.

Other conditions

KwaZulu-Natal

Camperdown: dr. Anthony van Tonder

Nephritis and uraemia (B 1)

Hypothermia (B 1)

Nutritional deficiencies

Macro feed

Protein

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

North West

Christiana: dr. Pieter Nel

Protein deficiency (B 3)

Energy

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				3		3			
Species affected				B		B			

North West

Christiana: dr. Pieter Nel

Energy deficiency (B 3)

KwaZulu-Natal

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

Energy deficiency (B 2)

Underberg: drs. Collins, King and Delaney

Energy deficiency (B 3)

Phosphate

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

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

North West

Christiana: dr. Pieter Nel

Phosphate deficiency (B 3)

KwaZulu-Natal

Underberg: drs. Collins, King and Delaney

Phosphate deficiency (B 3)

Calcium

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

Free State

Heilbron: dr. Piet van Zyl

Calcium deficiency (O 2) Ewes in all stages of pregnancy became lame on soya field after 30 days. Reacted well after given intravenous calcium and anti-histamine injections.

KwaZulu-Natal

Howick: dr. Stephen Hughes

Calcium deficiency (B 2)

Underberg: drs. Collins, King and Delaney

Calcium deficiency (B 3)

Magnesium

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

Other Micro feed conditions

Copper

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

KwaZulu-Natal

Underberg: drs. Collins, King and Delaney

Copper deficiency (B 2)

Selenium

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

Mpumalanga

Piet Retief: drs. Niebuhr and Weber

Selenium deficiency (B 1)

Standerton: dr. Kobie Kroon

Selenium deficiency (B 3)

KwaZulu-Natal

Howick: dr. Stephen Hughes

Selenium deficiency (B 3) One farm with low levels of blood selenium and calves with nutritional myopathy.

Underberg: drs. Collins, King and Delaney

Selenium deficiency (B 3)

Zinc

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

Molibdinum

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

Vitamin A

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

Free State

Hoopstad: dr. Kobus Pretorius

Vit A deficiency (B,O 3) due to the drought conditions the following are seen: difficult calvings, metritis and retained afterbirths.

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

Mpumalanga

Lydenburg: dr. Gustav Trümpelmann

Friesian and Jersey cows doing poorly. Changed ration by taking anion and cation salts out of ration. Production of cattle is improving.

Pregnancy toxaemia (Domsiekte)

Free State

Ladybrand: drs. Van Hasselt and Blaauw

Pregnancy toxaemia in ewes. Two to 3 cases on different farms. Energy supplementation should be increased.

Western Cape

Ceres: dr. Marc Walton

Pregnancy toxaemia in a flock of Merino ewes occurred just after a cold spell– often with twins, 17 affected, 11 died.

Ketosis

KwaZulu-Natal

Underberg: drs. Collins, King and Delaney

Post Calving: Hypocalcaemia, Ketosis, Retained placenta and Metritis. This complex of diseases is always present and is a result of Dry cow nutrition. Dietary Cation-Anion Balance (DCAB) and Energy/roughage is of utmost importance. This issue often occurs in your higher producing herds.

Milk fever

Other conditions

Malnutrition

Western Cape

Darling: dr. Jannie van der Merwe

Malnutrition in ewes in lambing pens –severe loss of weight.

Ram fertility

Free State

Winburg: dr. Eddie Albertyn

Fourteen rams were tested for fertility. Nine had no sperm count. Waited 14 days and retested the rams, 3 had no sperm count, waited another 14 days, only one had no sperm count.

Lightning

Mpumalanga

Piet Retief: drs. Niebuhr and Weber

Lightning (B 1) cattle struck by lightning.

Horses

Mpumalanga

Ermelo: dr. Ben Potgieter

African Horse sickness (E 3) Deaths in horses younger than 5 years – vaccine ineffective.

Lydenburg: dr. Gustav Trümpelmann

African Horse Sickness (Dikkop) one case.

North West

Rustenburg: drs. Gaigher, Grobler, Sparks, Van Egdome, Van Rooyen, Goosen and Van Rensburg

African horse sickness – 5 cases in horses and one in a dog that died acutely with severe lung oedema and confirmed with pathology. No horse meat was eaten by the dog so transmission had to be via midges.

Free State

Harrismith: drs. Thirion, Nel and Pretorius

African horse sickness (E 2)

Heilbron: dr. Piet van Zyl

African horse sickness. One horse was brought in from the Eastern Cape. Eventually 3 horses died.

Parys: dr. Johan Wessels

KwaZulu-Natal

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

African Horse Sickness (E 3)

Underberg: drs. Collins, King and Delaney

Equine Herpes 4 (E 1)

Western Cape

Ceres: dr. Marc Walton

Nine cases of high fever and ataxia in horses seen on 3 different farms. Blood samples were sent to Prof. Marietjie Venter for viral PCR: all negative for encephalosis, Shuni, Sindbis, West Nile, alpha and Middelburg viruses. Suspect we are dealing with a virus not yet isolated..!

Dogs

Mpumalanga

Lydenburg: dr. Gustav Trümpelmann

Temik poisoning of 9 dogs

Feedlot report

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

Sheep feedlots:

Relative few problems with pneumonia but still some losses due to poor condition of animals arriving at feedlots and adaptation problems.

One group of sheep arrived at a feedlot with a severe bankrupt worm infestation and as a result of intestinal damage they started dying a few days after processing due to secondary *E.coli* and *Salmonella* infections.

Wireworm infestation is rife but no cases of resistance to anthelmintics were diagnosed.

Cattle feedlots:

Increased prevalence of pneumonia this time of the year is a normal occurrence in feedlots. The months April to June have usually the highest incidence of respiratory diseases in cattle. Foul weather accompanied by cold caused mortalities in under weight calves with no fat reserves.

The tick population increased suddenly after good rains and a lot of deaths occurred due to anaplasmosis.

There were numerous deaths due to toxic plants especially in younger animals. Such toxicities are not normally seen at the end of summer but the late summer rain after the drought had the effect that toxic plants such as slangkop sprouted. Due to scarcity of grazing these plants were then eaten resulting in toxicity.

Numerous cases of blackleg and botulism occurred. The feeding of chicken litter during drought periods and winter months usually lead to cases of botulism. It is important that cattle receive at least two vaccinations of botulism vaccine, 2 to 3 weeks apart, before starting to feed animals with chicken litter. One vaccination is not sufficient.

A few cases of heartwater occurred in new arrival calves in feedlots and backgrounding farms.

E. coli cases occurred in very young calves on veld grazing. Although most of these calves recovered after treatment they had a set back when compared to other calves in the herd.

Deaths in C-grade cattle in poor condition occurred after long transportation.

Laboratory reports

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

The autumn tracheal submissions from bovine feedlots have so far mostly yielded *Mannheimia haemolytica* and *Histophilus somni* in equal numbers, followed by *Pasteurella multocida*. The antibiograms have been similar to those in previous years. Other significant isolates from cattle with respiratory disease were *Trueperella (Arcanobacterium) pyogenes*, *Klebsiella pneumoniae*, *Mannheimia* 8B and *Mycoplasma*.

Tracheal samples from only one sheep feedlot yielded *Mannheimia haemolytica* and *Trueperella pyogenes*, and a case of pneumonia *Pasteurella multocida*.

Trueperella pyogenes was also isolated from purulent conditions in cattle [pericardium, abscess, uterus and milk] and sheep [pneumonia]. *Corynebacterium pseudotuberculosis* was isolated from all 3 farmed herbivores: bovine semen, two cases of sheep abscesses and a goat abscess. Three cases of diarrhoea were all caused by *Salmonella* Dublin in cattle.

Trichophyton verrucosum was the cause of crusty skin lesions in cattle. This dermatophyte can also cause wart-like lesions, especially on the heads of calves. It usually grows slowly in the laboratory, so one must be patient when submitting samples.

Monthly report by dr. Annelize Jonker, Stellenbosch Provincial laboratory

Condition	Specie	Comments
Mastitis	Bovine	<i>E.coli</i> was isolated from a milk sample from a cow in the Malmesbury area
Enteritis, pneumonia	Porcine	Haemolytic <i>E. coli</i> was isolated from a small intestine sample from a piglet with fibrinonecrotic enteritis from the Caledon

		area. The isolate was resistant to tetracycline, sulphonamide and potentiated sulphonamides. Suspected <i>Haemophilus suis</i> was isolated from lung and bronchial lymphnode samples of weaner carcasses presenting with bronchopneumonia.
Mastitis, pulpy kidney	Ovine	<i>Mannheimia haemolytica</i> was isolated from two milk samples, one from the Stellenbosch area and one from the Heidelberg area. <i>Clostridium perfringens</i> was isolated from a small intestine sample in a case of suspected pulpy kidney from the Malmesbury area.
Septicaemia	Caprine	<i>Salmonella</i> I was isolated from an organ pool of a 2 week old 'boer' goat from the Beaufort West area.

Monthly Pathcare Vetlab report – Cape Town (1 to 8 February 2013) submitted by dr. Lucy Lange

Disease condition	Specie	District	Commentary
Parainfluenza	Bovine	Eastern Cape	
Aflatoxin poisoning	Bovine	Western-Cape	
<i>Clostridium chauvoeii</i>	Bovine	Free State	
<i>Campylobacter</i> + <i>Tritrichomonas</i>	Bovine	Country wide	
Hepatotoxicosis	Bovine	Free State, Swellendam	
Pneumonia	Bovine	Eastern Cape	
Ketosis	Bovine	Namibia	
Bacterial placentitis	Ovine	Vereeniging	
Haemonchosis	Ovine	Boland	
Hypoproteinaemia	Ovine	West coast	
<i>Klebsiella pneumoniae</i>	Equine	Western Cape	
Necrotic enteritis	Equine	Boland	
Sarcoid	Equine	Western Cape	
Bakterial cellulitis	Equine	Vereeniging	
Squamous cell carcinoma	Equine	Boland	
Haemorrhagic enteritis	Porcine	Free State	
Cardiomyopathy	Sable	North West	Cardiac glycoside toxicity
<i>Clostridium</i>	Blue wildebeest	Bethlehem	

enterotoxaemia			
“Capture myopathy”	Buffalo	Bloemfontein	
Aspergillosis	Parrot	Boland	
Parasitic granuloma	Alpaca	Riversdal	
<i>Giardia</i>	Cheetah	Bloemfontein	
Multifocal Interstitial Nephritis	Lion cub	Bethlehem	

Dr J.H.Vorster, Veterinary Pathologist, Vetdiagnostix Veterinary Pathology Services Pty Ltd, Pietermaritzburg – April 2013 report

Area	Comment
Eastern Cape	Wildebeest associated BMC
Eastern Cape	EBL Positive
Eastern Free State	<i>Tritrichomonas foetus</i> positive
Free State	Eosinophilic rumenitis – PIE
Eastern Cape	<i>Pasteurella multocida</i> pneumonia
KZN	<i>Pasteurella multocida</i> pneumonia
KZN	<i>Tritrichomonas foetus</i> positive
KZN	<i>Campylobacter foetus</i> positive
KZN	<i>Tritrichomonas foetus</i> positive
KZN	<i>Mannheimia haemolytica</i> pneumonia
Mpumalanga	Bovine Respiratory Syncytial Virus
KZN	<i>Salmonella</i> Typhimurium enteritis
KZN	Oak (acorn) poisoning
KZN	<i>Escherichia coli</i> abortion
KZN	<i>Mycoplasma bovis</i> positive pneumonia
Western Cape	<i>Truperella pyogenes</i> abscessation
Western Cape	<i>Pasteurella pneumotropica</i> ; <i>Mannheimia haemolytica</i> pneumonia
Western Cape	<i>Salmonella</i> Infantis 6, 7, 14 : r1,5 enteritis
Western Cape	<i>Salmonella</i> Group C enteritis
Western Cape	Low selenium levels
Western Cape	Anaplastic sarcoma, probable fibrosarcoma
Western Cape	<i>Cryptosporidium</i> sp.
Mpumalanga	Hyperplastic goiter
Mpumalanga	Premature placental separation
Northern Cape	Septicaemic colibacillosis
KZN	Pulpy kidney
KZN	Jaagsiekte
Western Cape	High Strongylid egg counts
Western Cape	High Strongylid egg counts
KZN	Glassers Disease
KZN	Haemolytic <i>E. coli</i> (Shiga Toxin II)
KZN	Haemolytic <i>E. coli</i> (Shiga Toxin II)

Western Cape	<i>Streptococcus equi</i> subs. <i>equi</i> isolated
Western Cape	<i>Enterobacter</i> sp. isolated - conjunctivitis