

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

September 2012

Introduction and summary of diseases and other conditions during September 2012

Extreme weather conditions such as cold, wind and rain took its toll in the first weeks of September as a lot of animals had been in poor condition and there had been deficiencies in protein and energy. Many animals died.

Pregnant animals were put in harvested maize fields and a lot of growth went into the foetuses which resulted into many **problems during the birth process**.

Some areas had a lot of rain during early September and with rising temperatures thereafter reports of infestations with **internal parasites** were received. It is therefore necessary to do regular checks (Five point check and faecal egg counts) to assess the health status of animals and to give the necessary treatment if needed. Animals taken out of vleis should be treated for **liver fluke** infestation to prevent economical losses. Outbreaks of **conical fluke** were reported. Projectile diarrhoea and bottle jaw are clinical signs of this infestation.

Reports of rising **tick** numbers, **red water** and **anaplasmosis** are the first warning signs that farmers should be aware of **tick born diseases**. Are **vaccination programmes** for these diseases up to date and has the **resistant status against acaricides** of blue ticks on the farm been established? Contact your veterinarian to assist you with this.

No reports of **insect transmitted diseases** were received but with rains that fell, farmers should be aware of **blue tongue, Rift Valley fever, lumpy skin disease, three day stiff sickness** and **horse sickness** outbreaks. Were animals vaccinated against these diseases?

A great concern is the spreading of venereal diseases such as **trichomonosis, vibriosis** and **brucellosis**. Have you discussed the importance of testing animals for the presence of these diseases on the farm and the control measures with your veterinarian?

Reports of outbreaks of **clostridial** diseases have been received: **pulpy kidney, lamb dysentery, black leg, swelled head, red gut, blood gut, tetanus** and **botulism**. **Vaccines** against all these diseases are available and losses can be prevented if the correct **vaccination programme** is followed. Once again consult your veterinarian.

Rams were found to be infected with **Brucella ovis, Actinobacillus seminis** and "**peestersiekte**". Contact your veterinarian to do fertility evaluations and to do the necessary tests to establish that the rams are disease free before rams are put to the ewes.

Blue wildebeest transmit the "**snotsiekte**" virus when they are under stress and every month deaths of cattle due to this disease are reported. See to it, if possible, that your cattle is separated at least 1 000 meter from blue wildebeest.

Abortions are still reported every month. To establish the causes is not so easy but everything should be done to prevent abortions as this loss comes straight off the bottom line! Discuss the occurrence and taking of samples with your veterinarian so as to minimize this erosive "disease".

Losses due to **pneumonia** can be prevented if the correct **vaccination program** is followed. Remember prevention is better than cure. Vaccines are available, why not use them?

Due to poor grazing conditions **plant poisonings** have been reported such as tulip, senecio, slangkop and gifblaar. Think carefully before animals are bought and introduced into camps containing these plants.

Mineral and trace mineral deficiencies that have a huge influence on production are reported.. The question is do you know the **mineral status** of your animals? Have you tested liver samples and do you know the status of the water supply to the animals? Which antagonists to these minerals are your animals subjected to (calcium, sulphur, iron) and are there toxic levels for eg.fluoride in the drinking water?

Every month a question will be asked: is your biosecurity measures in place?

The specific issue for this month: Have you discussed your vaccination programme with your veterinarian?

Level of Reporting

The following colleagues submitted reports for September 2012:

Mpumalanga

Dr. Neil Fourie and Johan Barkhuizen - Middelburg
Drs. Dieter Weber and Wolfgang Niebuhr – Piet Retief
Dr. André Visser – Volksrust
Dr. André Beytell – Nelspruit
Dr. Gustav Trümpelmann - Lydenburg

Limpopo

Dr. Henk Visser – Makopane
Dr. Hampie van Staden – Vaalwater

North West

Dr. Ian Jonker – Leeudoringstad
Dr. Anton Smit – Ottosdal
Dr. Sharnelle Ferreira – Ottosdal
Dr. Pieter Nel - Christiana

Free State

Dr. Henk Basson - Bethlehem
Dr. P P Brand - Zastron
Dr. Santjie Pieterse - Bultfontein
Drs. Van Hasselt and Blaauw – Ladybrand
Drs. Scheepers, Thirion and Nel – Harrismith
Dr. Johan Kahts - Viljoenskroon
Dr. Dries Lessing – Frankfort
Dr. Kobus Pretorius - Hoopstad

KwaZulu-Natal

Drs. Collins, King and Delaney – Underberg
Drs. Hartley, Fowler and Delaney – Mooi River

Dr. Graham Tedder – Estcourt
Dr. Ariena Shepherd - Bergville

Eastern Cape

Dr. Francois van Niekerk and J Van Vuuren – Humansdorp
Dr. Thys Potgieter – Alexandria
Dr. Johan Olivier –Alexandria
Dr. Gary du Preez - Queenstown

Western Cape

Drs. Strydom, Truter, Pettifer and Alexander – George
Drs. Pienaar and Grobler – Beaufort-West
Dr. Ian Herbst - Caledon
Dr. Otto Kriek – Malmesbury
Dr. Jannie van der Merwe – Darling
Dr. Izak Rust - Vredenburg

Northern Cape

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

Feed lot report

Drs Shaun Morris and Eben du Preez

Laboratory reports

Dr. Maryke Henton –Idexx Gauteng
Me. Jeanette Wentzel – Pathcare Cape Town

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

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Internal parasites

Roundworms

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

Mpumalanga

Volksrust: dr. Andre Visser

Roundworms (O 2)

Noordwes

Leeudoringstad: dr. Ian Jonker

Heavy wireworm infestation in sheep grazing on veld near the reticulation works. Wet areas led to high parasite infestation (O 2).

Ottosdal: dr. Sharnelle Ferreira

Intestinal round worms (O 1)

Free State

Zastron: dr. P P Brand

Intestinal round worms (O 1)

Eastern Cape

Alexandria: dr. Thys Potgieter

Intestinal roundworms (O 2)

Western Cape

Darling: dr. Jannie vd Merwe

Internal parasites in bulls grazing on quick grass (kweek).

George: drs. Strydom, Truter, Pettifer and Alexander

Intestinal roundworms (O 3)

Beaufort-West

Drs. Pienaar and Grobler

Intestinal roundworms (O,C 2) Brown stomach worm in goats.

Resistant roundworms

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

Western Cape

Caledon: dr. Ian Herbst

Resistant brown stomach worm present in sheep. Have regular faecal egg counts done to monitor the infestation.

Tape worms

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

Mpumalanga

Volksrust: dr. Andre Visser

Tape worms (O 1)

Free State

Hoopstad: Kobus Pretorius

Tape worms (O 2)

KwaZulu-Natal

Underberg: drs. Collins, King and Delaney

Tape worms (O 1)

Western Cape

George: drs. Strydom, Truter, Pettifer and Alexander

Tape worms (O 2)

Liver fluke

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

Mpumalanga

Middelburg: drs. Fourie en Barkhuizen

Liver fluke (B 3) Infestation of animals in the Highveld is a general occurrence. Sometimes deaths occur due to this parasite but generally this parasite is only seen at slaughter or post mortem. In animals liver fluke causes production losses. If problems are encountered animals should be treated with triclabendazole before and after winter.

Piet Retief: drs. Weber and Niebuhr

Liver fluke (B 1)

Free State

Frankfort: dr. Dries Lessing

Liver fluke (B 3)

KwaZulu-Natal

Underberg: drs. Collins, King and Delaney

Liver fluke (B 3)

Mooi River: drs. Hartley, Fowler and Mallett

Liver fluke (B 3)

Eastern Cape

Queenstown: dr. Gary du Preez

Liver fluke (B 2)

Western Cape

George: drs. Strydom, Truter, Pettifer and Alexander

Liver fluke (B,O 3) Liver fluke infestations occurred especially on farms where animals had not been treated with a flukicide after the winter.

Conical fluke (Paramphistomosis)

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

Mpumalanga

Volkstrust: dr. Andre Visser

Conical fluke (B 2)

FreeState

Frankfort: dr. Dries Lessing

Conical fluke (B 3)

Hoopstad: Kobus Pretorius

Conical fluke (B 2)

KwaZulu-Natal

Underberg: drs. Collins, King and Delaney

Conical fluke (B 1)

Mooi River: drs. Hartley, Fowler and Mallett

Conical fluke (B 3)

Eastern Cape

Alexandria: dr. Johan Olivier

Conical fluke (B 2) Outbreaks occurred where calves are grazing in low lying areas with standing water after good rains.

Parafilaria

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

Limpopo

Makopane: dr. Henk Visser

Parafilaria (B 1)

Free State

Zastron: dr. P P Brand

Parafilaria (B 1)

External parasites

Blue Ticks

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

Mpumalanga

Lydenburg: dr. Gustav Trümpelmann

Blue ticks (B 1)

Free State

Frankfort: dr. Dries Lessing

Blue tick (B 3) numbers are increasing

Hoopstad: dr. Kobus Pretorius

Blue ticks (B,O 2)

KwaZulu-Natal

Estcourt: dr. Graham Tedder

Blue ticks (B 1)

Mooi River: drs. Hartley, Fowler and Mallett

Blue ticks (B 2)

Bergville: dr. Ariena Shepherd

Blue ticks (B 1)

Underberg: drs. Collins, King and Delaney

Blue ticks (B 2)

Eastern Cape

Alexandria: dr. Johan Olivier

Blue ticks (B 3)

Western Cape

George: drs. Strydom, Truter, Pettifer and Alexander

Blue ticks (B 3) Tick numbers are increasing after the rains and hot weather conditions.

Resistant ticks

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

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		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		B						B

Mpumalanga

Volksrust: dr. Andre Visser

Bont-legged ticks (B 2)

Limpopo

Vaalwater: dr. Hampie van Staden

Bont-legged ticks (B 2)

Northern Cape

Upington: dr. Ian Vorster

Sweating sickness occurred in two calves due to toxins from bont-legged ticks.

Brown ear ticks

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

Bont ticks (*Amblyomma hebraeum*)

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

Mpumalanga

Lydenburg: dr. Gustav Trümpelmann
Bont ticks (B 1)

Limpopo

Vaalwater: dr. Hampie van Staden
Bont ticks (B 3)

Karoo Paralysis Ticks

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

Biting Lice

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

FreeState

Harrismith: drs. Scheepers, Thirion and Nel

Biting lice (B,O 2) Few cases seen in young animals scratching and with hair loss.
Infection seen in sheep that are kraaled at night.

Viljoenskroon: dr. Johan Kahts

Biting lice (B, 3)

Hoopstad: Kobus Pretorius

Biting lice (B 3)

Zastron: dr. P P Brand

Biting lice (B 1)

Western Cape

Beaufort-West: Drs. Pienaar and Grobler

Biting lice (B 1)

Sucking Lice

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

Mpumalanga

Volkstrust: dr. Andre Visser

Sucking lice (B 3)

Free State

Viljoenskroon: dr. Johan Kahts

Sucking lice (B 3)

Screw worm

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

Western Cape

Malmesbury: dr. Otto Kriek

Maggots (B 1)

Mites (Sheep scab)

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

KwaZulu-Natal

Underberg: drs. Collins, King and Delaney

Sheep scab (O 1)

Western Cape

Darling: dr. Jannie vd Merwe

Sheep scab outbreak due to buying in of sheep.

Nuisance and biting flies,

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

Mpumalanga

Volksrust: dr. Andre Visser

Nuisance flies (B 2)

KwaZulu-Natal

Estcourt: dr. Graham Tedder

Flies (B 1)

Blow flies

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

North West

Ottosdal: dr. Sharnelle Ferreira
Blowflies (O 1)

Free State

Hoopstad: dr. Kobus Pretorius
Blow flies (O 1)

Midges

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

Noordwes

Leeudoringstad: dr. Ian Jonker
Due to *Simulium* infestation ears of Percheron horses severely affected.
Ottosdal: dr. Sharnelle Ferreira
Midges (O 1)

Northern Cape

Upington: dr. Ian Vorster
Simulium midges present in great numbers. Due to bloodloss and immense irritation lambs died. Chemical treatment of Orange river has not taken place yet.

Tick-borne diseases

African Red water

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

Mpumalanga

Middelburg: drs. Fourie and Barkhuizen
African red water (B 1)

Free State

Bethlehem: dr. Henk Basson

African red water: Bull contracted the disease but recovered after treatment.

KwaZulu-Natal

Underberg: drs. Collins, King and Delaney

African red water (B 2)

Western Cape

George: drs. Strydom, Truter, Pettifer and Alexander

African red water (B 2)

Asiatic Red Water

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

Mpumalanga

Lydenburg: dr. Gustav Trümpelmann

Asiatic redwater in 3 herds (B 2)

Free State

Frankfort: dr. Dries Lessing

Asiatic red water (B 3) First case of redwater, 6 cows died.

KwaZulu-Natal

Estcourt: dr. Graham Tedder

Cerebral red water (B 2)

Underberg: drs. Collins, King and Delaney

Asiatic red water (B 2)

Bergville: dr. Ariena Shepherd

Outbreaks of Asiatic red water are seen in calves younger than 10 days of age. Usually seen in calves born to first calf heifers. The heifers were not vaccinated against redwater and thus no colostral immunity was transmitted to the calves.

Lesson to learn: all calves should be vaccinated against tick transmitted diseases.

Anaplasmosis

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

Mpumalanga

Volksrust: dr. Andre Visser

Anaplasmosis (B 2)

Limpopo

Makopane: dr. Henk Visser

Anaplasmosis (B 1)

North West

Christiana: dr. Pieter Nel

Anaplasmosis (B 3)

Free State

Hoopstad: dr. Kobus Pretorius

Anaplasmosis (B 3)

KwaZulu-Natal

Estcourt: dr. Graham Tedder

Anaplasmosis (B, 1)

Underberg: drs. Collins, King and Delaney

Anaplasmosis (B 1)

Mooi river: drs. Hartley, Fowler and Mallett

Anaplasmosis (B 3)

Eastern Cape

Alexandria: dr. Johan Olivier

Anaplasmosis (B 3) First outbreak after the winter. Due to cold and wet weather dipping program was disrupted. Ticks were already observed on animals in late winter.

Western Cape

Malmesbury: dr. Otto Kriek

Anaplasmosis (B 1)

Heart water

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

Mpumalanga

Piet Retief: drs. Weber and Niebuhr

Heartwater (B 1)

Eastern Cape

Humansdorp: drs. Van Niekerk and J van Vuuren

Heartwater (C 2)

Alexandria: dr. Thys Potgieter

Heartwater (B 2)

Sweating sickness

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

Free State

Hoopstad: Kobus Pretorius
Sweating sickness (B 1)

Northern Cape

Upington: dr. Ian Vorster
Sweating sickness in two calves caused by toxins of bont-legged ticks. (B 2)

Other tick-borne diseases

Corridor disease

Insect transmittable diseases

Lumpy skin disease

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

Pseudo Lumpy skin disease (Allerton virus)

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

KwaZulu-Natal

Estcourt: dr. Graham Tedder
Pseudo lumpy skin disease (B 1)

Bovine ephemeral fever (Three day stiff sickness)

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

Blue tongue

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

Rift Valley fever

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

Venereal diseases

Trichomonosis

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

Mpumalanga

Middelburg: drs. Fourie and Barkhuizen

Trichomonosis (B 1) The catastrophic effect of this disease is seen on reproduction. With the help of your veterinarian this disease can be eradicated.

Lydenburg: dr. Gustav Trümpelmann

Trichomonosis (B 1)

Volkstrust: dr. Andre Visser

Trichomonosis (B 2)

Limpopo

Vaalwater: dr. Hampie van Staden

30 bulls tested for Trichomonosis and vibriosis: all negative

North West

Leeudoringstad – dr. Ian Jonker

Trichomonosis (B 3) 11 out of 17 bulls tested positive with sheath washings. Bulls got infected as a result of infected cattle that were bought and not tested before introduction into the herd.

Christiana: dr. Pieter Nel

Trichomonosis (B 3) In a herd where bull had tested positive last year, bulls were taken out of the herd for a long time (at least 3 heat periods). The reason for the infection was that some cows must have remained positive with the infection.

Free State

Bethlehem: dr. Henk Basson

Trichomonosis (B 3) Three new herds found to be positive: 9 out of 17 bulls positive and in another herd 4 out of 12 bulls positive. Bulls got infected as a result of cattle that were bought in.

Frankfort: dr. Dries Lessing

Trichomonosis (B 3) Many positive herds in the area.

Harrismith: drs. Scheepers, Thirion en Nel

Trichomonosis (B 2) Three new positive herds diagnosed and in one herd conception rate dropped to 63%.

Ladybrand: drs. Van Hasselt and Blaauw

Trichomonosis (B 3) Two new farms positive for Trichomonosis. Lay people test bulls but nothing is done on the management side of controlling the disease. By not changing the management the disease smoulders in the herd and conception rates keep falling and bulls get reinfected every year.

Viljoenskroon: dr. Johan Kahts

Trichomonosis (B 3)

Hoopstad: Kobus Pretorius

Trichomonosis (B 3) the disease is spreading in our area.

KwaZulu-Natal**Estcourt: dr. Graham tedder**

Trichomonosis (B 2) two positive herds.

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

Trichomonosis (B 1) One bull out of 12 tested positive on various farms. Bull was slaughtered.

Alexandria: dr. Thys Potgieter

Trichomonosis (B 2)

Vibriose

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

Mpumalanga**Lydenburg: dr. Gustav Trümpelmann**

Campylobacter (B 2)

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

Vibriosis (B 3)

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

Vibriosis (B 3) Many positive herds in the area.

Viljoenskroon: dr. Johan Kahts

Vibriosis (B, 1)

Hoopstad: dr. Kobus Pretorius

Vibriosis (B 3)

Bultfontein: dr. Santjie Pieterse

Vibriosis (B 1)

KwaZulu-Natal

Estcourt: dr. Graham tedder

Campylobacter (B 1)

Eastern Cape

Queenstown: dr. Gary du Preez

Campylobacter (B 2)

Peestersiekte

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

Western Cape

Beaufort-West: drs. Pienaar and Grobler

Peestersiekte (O 2)

Bacterial diseases

Anthrax

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

Gas gangrene infections

Province	Mpuma-langa	Gauteng	Limpopo	North West	FreeState	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease				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	3		
Species affected				Game	B	B	B		

North west

Leeudoringstad: dr. Ian Jonker

Two sable antelope bulls died due to *Clostridium septicum* and *C. sordelli* infections after fighting with each other resulting in serious bruising.

Free State

Viljoenskroon: dr. Johan Kahts

Black leg (B 1)

KwaZulu-Natal

Estcourt: dr. Graham Tedder

C. chauvoei (B 1)

Eastern Cape

Alexandria: dr. Thys Potgieter

Black leg (B 3)

Swelled head

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

Mpumalanga

Volkstrust: dr. Andre Visser

Swelled head (B,O 2)

Free State

Bethlehem: dr. Henk Basson

Swelled head (B 2) due to *Clostridium novyi* type A and confirmed by FAT seen in cattle.

Viljoenskroon: dr. Johan Kahts

Swelled head (O 3)

Pulpy Kidney

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

Mpumalanga

Volkstrust: dr. Andre Visser

Pulpy kidney (O,C 2)

Free State

Bethlehem: dr. Henk Basson

Pulpy kidney: many cases of pulpy kidney diagnosed, triggered by grazing sheep on oat fields. (O 3)

Bultfontein: dr. Santjie Pieterse

Pulpy kidney (O 3) Sheep put on harvested maize fields without having been vaccinated against pulpy kidney.

Hoopstad: dr. Kobus Pretorius

Pulpy kidney (O 2)

KwaZulu-Natal

Underberg: drs. Collins, King and Delaney

Pulpy kidney (O 1)

Lamb dysentery (*Clostridium perfringens* type B)

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

Eastern Cape

Queenstown: dr. Gary du Preez

Lamb dysentery (O, 3) about 50 lambs died.

Red gut (B)/Blood gut(O)

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

Mpumalanga

Middelburg: drs. Fourie and Barkhuizen

Red gut (B 2) If the level of supplementary feed is raised, as in September, animals should be protected against *Clostridium perfringens* type A causing red gut in cattle or blood gut in sheep. Make sure the vaccine contains *C perfringens* type A antigen.

Free State

Hoopstad: dr. Kobus Pretorius

Blood gut (O 2)

KwaZulu-Natal

Estcourt: dr. Graham Tedder

Red gut (B 2)

Underberg: drs. Collins, King and Delaney

Red gut/Blood gut (B,O 2)

Mooi River: drs Hartley, Fowler and Mallett

Red gut (B 2)

Eastern Cape

Alexandria: dr. Johan Olivier

Red gut (B 1)

Alexandria: dr. Thys Potgieter

Red gut (B 1)

Western Cape

George: drs. Strydom, Truter, Pettifer and Alexander

Blood gut (O, 1)

Caledon: dr. Ian Herbst

Outbreaks of blood gut caused by *C. perfringens* type A are seen in sheep (O 2)

Tetanus

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

Free State

Bultfontein: dr. Santjie Pieterse

Tetanus (O 2)

Hoopstad: dr. Kobus Pretorius

Tetanus (O 1)

Botulism

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

North West

Ottosdal: dr. Anton Smit

Suspected botulism outbreak (B 2)

Free State

Frankfort: dr. Dries Lessing

Botulism (B 3) Three farms with botulism, 12 cattle died

Hoopstad: dr. Kobus Pretorius

Botulism (B 1)

Western Cape

Caledon: dr. Ian Herbst

Warning to all farmers feeding hay from wrapped bales. Have your animals vaccinated against botulism due to small animals dying in the bales as well as the bacteria, *Clostridium botulinum*, multiplying in hay with a high protein content.

Brucellosis (*Brucella abortus*)

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

Limpopo

Vaalwater: dr. Hampie van Staden

Tested 93 animals for brucellosis and one tested positive.

North West

Ottosdal: dr. Anton Smit

Brucella positive herds in the area.

Free State

Frankfort: dr. Dries Lessing

Bultfontein: dr. Santjie Pieterse

Brucellosis (B 3)

Harrismith: drs. Scheepers, Thirion and Nel

Brucellosis (B, 1)

Ladybrand: drs. Van Hasselt and Blaauw

Brucellosis (B 3)

Hoopstad: dr.Kobus Pretorius

Brucellosis (B 3) It seems as if the disease is spreading and spreading in the herd is fairly fast especially if neighbours are not testing for this disease.

Ram disease (*Brucella ovis*)

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

Western Cape

Beaufort-West: drs. Pienaar and Grobler

Brucella ovis (O 3) Numerous positive cases were found when testing rams for fertility before the breeding season. Rams were not vaccinated with the Rev 1 vaccine between the age of 2-4 months. False positive results were also encountered due to rams that were vaccinated at an older age. All rams brought into a flock should be retested for this disease.

Northern Cape

Upington: dr. Ian Vorster

Brucella ovis in rams in 2 flocks. Insufficient vaccination programmes.

E. coli

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

North West

Christiana: dr. Pieter Nel

E. coli (B 3) On a dairy farm calves are dying due to *E. coli* infection. Antibigram was done but it seems as if no antibiotic or symptomatic treatment is curbing the disease. Mortalities remain high.

Free State

Viljoenskroon: dr. Johan Kahts

E. coli (B 3) in calves. This remains a big problem in spite of calves having been vaccinated against *E. coli*.

Bultfontein: dr. Santjie Pieterse

E.coli (B 2)

KwaZulu-Natal

Underberg: drs. Collins, King and Delaney

E.coli (B 3)

Eastern Cape

Humansdorp: drs. Van Niekerk and J van Vuuren

E.coli (B 1)

Alexandria: dr. Thys Potgieter

E.coli (B 2)

Northern Cape

Kathu: dr. Jan Vorster

E.coli (B 2)

Salmonellosis

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

Free State

Viljoenskroon: dr. Johan Kahts

Salmonellosis (B 3)

Hoopstad: dr. Kobus Pretorius

Salmonellosis (B 1)

Bultfontein: dr. Santjie Pieterse

Salmonellosis (B 1)

Lumpy wool (*Dermatophilus*)

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

Enzootic abortion (*Chlamydothyla*)

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

Other Bacterial infections

Western Cape

Darling: dr. Jannie van der Merwe

Actinobacillus seminis infection in young Suffolk rams.

Northern Cape

Upington: dr. Ian Vorster

Corynebacterium (ovis) pseudotuberculosis (O 2) Bacteria isolated from abscesses in flock.

Viral diseases

BMC (Snotsiekte)

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

North West

Ottosdal: dr. Anton Smit

Blue wildebeest were caught on a farm and shortly thereafter BMC occurred in cattle. (B 1)

Free State

Hoopstad: dr. Kobus Pretorius

Snotsiekte (B 3)

Northern Cape

Upington: dr. Ian Vorster

Snotsiekte (B 2) Five heifers died that had close contact with blue wildebeest. Both wildebeest and heifers were heavily pregnant.

BVD

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

IBR

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

Free State

Ladybrand: drs. Van Hasselt and Blaauw
 Infectious bovine rhinotracheitis (B 3)

Enzootic Bovine Leukosis (EBL)

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

North West

Ottosdal: dr. Anton Smit
 Positive herds in the area.

KwaZulu-Natal

Estcourt: dr. Graham Tedder
 EBL: a clinical case died (B 1)

Underberg: drs. Collins, King and Delaney

EBL (B 2) There is a high sero-conversion rate in Underberg with only a few clinical cases and associated deaths.

Eastern Cape

Humansdorp: drs. Van Niekerk and J van Vuuren
 EBL (B 2)

Alexandria: dr. Johan Olivier

EBL (B 3) Heifers bled for export purposes. Heifers were at a speculant and 19 out of 50 tested positive with the ELISA test. At another site 53 out of 143 heifers tested positive.

Warts & Orf

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

Mpumalanga

Lydenburg: dr. Gustav Trümpelmann
 Orf (O 2)

Volkstrust: dr. Andre Visser
 Orf (O 1)

North West

Christiana: dr. Pieter Nel
 Warts (B 3)

Free State

Hoopstad: dr. Kobus Pretorius
 Warts (B 1)

Bultfontein: dr. Santjie Pieterse
 Warts (B 2)

KwaZulu-Natal

Mooi river: drs. Hartley, Fowler and Mallett
Orf (C 1)

Western Cape

Malmesbury: dr. Otto Kriek
Warts (B 2)

Vredenburg: dr. Izak Rust
Orf (C 2)

Beaufort-West: drs. Pienaar and Grobler
Orf (O 2)

Rabies

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

KwaZulu-Natal

Bergville: dr. Ariena Shepherd
Rabies outbreak still ongoing: two positive dogs and one jackal.
Estcourt: dr. Graham Tedder
Positive rabies in a caracal and jackal

Eastern Cape

Queenstown: dr. Gary du Preez
Dog positive with rabies

Other viral infections

Mpumalanga

Middelburg: drs. Fourie and Barkhuizen
Rotavirus (B 2)

North West

Ottosdal: dr. Sharnelle Ferreira
Jaagsiekte (O 2)

Fungal Diseases

Ringworm

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

North West

Christiana: dr. Pieter Nel

Ringworm (B 3)

Free state

Frankfort: dr. Dries Lessing

Ringworm (B 3) in a feed lot.

Bultfontein: dr. Santjie Pieterse

Ringworm (B 3) in calves.

KwaZulu-Natal

Underberg: drs. Collins, King and Delaney

Ringworm (B 3)

Eastern Cape

Humansdorp: drs. Van Niekerk and J van Vuuren

Ringworm (B 1)

Alexandria: dr. Johan Olivier

Ringworm (B 3)

Alexandria: dr. Thys Potgieter

Ringworm (B 2)

Western Cape

Malmesbury: dr. Otto Kriek

Ringworm (B 1)

Diseases cause by protozoa

Coccidiosis

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

KwaZulu-Natal

Moorriver: drs. Hartley, Fowler and Mallett

Coccidiosis (B 2)

Western Cape

Beaufort-West: drs. Pienaar and Grobler

Coccidiosis: (C 1)

Other Protozoal diseases

Mpumalanga

Middelburg: drs. Fourie and Barkhuizen

Cryptosporidium (B 3)

KwaZulu-Natal

Underberg: drs. Collins, King and Delaney

Cryptosporidium - found in most calves with diarrhoea but not sure whether this is a primary or secondary problem.

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Poisoning

Urea poisoning

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

Free State

Hoopstad: dr. Kobus Pretorius

Urea poisoning (B 3)

Zastron: dr. P P Brand

Urea poisoning (B 1)

Tulip poisoning

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

Mpumalanga

Volksrust: dr. Andre Visser

Tulip poisoning (B 2)

Free State

Bethlehem: dr. Henk Basson

Tulip poisoning seen in a few cases (B 2)

Frankfort: dr. Dries Lessing

Tulip poisoning on one farm. (B 1)

KwaZulu-Natal

Bergville: dr. Ariena Shepherd

Few tulip poisoning cases seen (B 2)

Underberg: drs. Collins, King and Delaney

Tulip poisoning (B 3) *Moraea pallida* (yellow tulip) on fresh burns in veld and also in vlei areas. Dairy and beef cattle affected.

Northern Cape

Kathu: dr. Jan Vorster
Tulip poisoning (B 1)

Lantana poisoning

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

Gifblaar poisoning

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

Limpopo

Vaalwater: dr. Hampie van Staden

Ten animals died due to gifblaar poisoning.

Prussic acid poisoning

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

Western Cape

Vredenburg: dr. Izak Rust

Wilted oats caused 5 out of 60 Boergoats to die of prussic acid poisoning. (C 1)

Acidosis

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

North West

Leeudoringstad: dr. Ian Jonker

Acidosis in cattle put to grazing in harvested maize fields (B 3)

Free State

Bultfontein: dr. Santjie Pieterse

Acidosis (O 3) Sheep on harvested maize fields without necessary adaptation period or preventative licks.

Other poisonings

Mpumalanga

Lydenburg: dr. Gustav Trümpelmann

Senecio poisoning: 7 sheep died acutely due to sheep eating young plants.

Eastern Cape

Queenstown: dr. Gary du Preez

Ganskweek poisoning, acute deaths in lambs, icterus and bleeding spots.

Humansdorp: drs. Van Niekerk and J van Vuuren

Mycotoxicosis (B 1)

Western Cape

Beaufort-West: drs. Pienaar and Grobler

Thesium lineatum (witstorm) poisoning (B,O 2) Numerous cases of acute deaths were seen in sheep and cattle. In most cases the post mortem was negative. Sometimes petechial haemorrhages can be seen in the sub-mucosa of the small intestine, epicardium and lungs. The bleedings is caused by a sudden rise in blood pressure due to acute heart failure.

Clinical signs: sometimes a black diarrhoea is seen. Animals not adapted to witstorm veld are usually at greater risk. Handling of animals also increase the risk.

Recommendation is not to graze animals in camps (southern slopes) in winter where witstorm is present. If suspected that witstorm had been eaten, animals can be dosed with activated charcoal.

Vredenburg: dr. Izak Rust

Rye grass poisoning: Two cattle were poisoned – one died and one recovered after treatment with magnesium sulphate.

Conditions that are caused by more than one organism or disease causing factor

Abortions

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

Mpumalanga

Middelburg: drs. Fourie and Barkhuizen

Abortions (B,O 2)

Free State

Ladybrand: drs. Van Hasselt and Blaauw

Abortions (B 3) 13 first calf heifers aborted out of 110 animals. Lab results (IMP stain) showed IBR to be the cause of the abortions. Proper vaccination schedule was not followed.

Bethlehem: dr. Henk Basson

Abortions prevalent in sheep – *Chlamydomphila* negative, still waiting for further results.

Viljoenskroon: dr. Johan Kahts

Abortions (B, 3)

Hoopstad: dr. Kobus Pretorius

Abortions (B,O,C 3)

Zastron: dr. P P Brand

Abortions (B,O 1) Numerous abortions have been reported but no definite diagnosis has been made.

Eastern Cape

Humansdorp: drs. Van Niekerk and J van Vuuren

Abortions (B 3)

Alexandria: dr. Thys Potgieter

Abortions (B 2)

Western Cape

Malmesbury: dr. Otto Kriek

Abortions (B 1)

George: drs. Strydom, Truter, Pettifer and Alexander

Abortions (B, 3) Bacterial placentitis causing abortion due to possible *S. aureus* allowing absorption of bacteria which cause abortion.

Northern Cape

Kathu: dr. Jan Vorster

Abortions (B 3)

Poor Conception

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

Free State

Bethlehem: dr. Henk Basson

Poor conception rates seen due to nutritional imbalances.

Harrismith: drs. Scheepers, Thirion and Nel

Poor conception rates (B 2)

Zastron: dr. P P Brand

Poor conception (B 1)

KwaZulu-Natal

Underberg: drs. Collins, King and Delaney

Poor conception (B 3)

Eastern Cape

Humansdorp: drs. Van Niekerk and J van Vuuren

Poor conception (B 2)

Alexandria: dr. Thys Potgieter

Poor conception (B 3)

Western Cape

Darling: dr. Jannie vd Merwe

Heifers with inactive ovaries at breeding age. The winter had been severe in the Western Cape.

George: drs. Strydom, Truter, Pettifer and Alexander

Poor conception (B 3) partly due to overweight cows and too large calves.

Northern Cape

Upington: dr. Ian Vorster

Conception rates in ewes better than last year. Advise farmers to vaccinate non pregnant ewes with the live Smithburn RVF vaccine.

Dystocia

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease	3		1	3	6	3	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	3	2	2	3	2
Species affected	B,O		B	B	B,O,C	B	B	B	B

Mpumalanga

Middelburg: drs. Fourie and Barkhuizen

Dystocia (B,O 3) Early diagnosis is of the uttermost importance. All farmers and managers should be trained how to handle the situation. Heifers should be observed twice a day so as to prevent any losses. Sometimes emergency slaughter is the only solution to prevent losses but then the early identification of the problem is very important.

Piet Retief: drs. Weber and Niebuhr

Dystocia (B 2)

Volkstrust: dr. Andre Visser

Dystocia (B 3)

Limpopo

Vaalwater: dr. Hampie van Staden

Dystocia (B 2)

North West

Leeudoringstad: dr. Ian Jonker

As a result of drought conditions many problems with calving are seen. Exceptionally many breech presentations were seen. Old cows were fed which resulted in large calves that were born.

Christiana: dr. Pieter Nel

Dystocia (B 3)

Ottosdal: dr. Anton Smit

Dystocia (B 3)

Free State

Bultfontein: dr. Santjie Pieterse

Dystocia (B 2)

Harrismith: drs. Scheepers, Thirion and Nel

Difficult calving (B 3) Many dystocias due to large calves. Heifers over fat with a lot of fat in the pelvis. Numerous cesarean sections, especially in heifers, had to be done.

Bethlehem: dr. Henk Basson

Dystocia (B, 3): called out to many dystocias due to too big calves. Heifers and cows were over fed during the last months before calving and pelvises were too small..

Drs. Van Hasselt and Blaauw – Ladybrand

Dystocia (B 3) Numerous cesarean sections were done especially in heifers.

Viljoenskroon: dr. Johan Kahts

Dystocia (B, 3) Calves born were exceptionally large. These large calves are thought to be caused by cows been put into harvested maize fields late during pregnancy and foetuses grew too big.

Hoopstad: dr. Kobus Pretorius

Dystocia (B,O,C 3) Due to animals grazing in harvested maize fields the foetuses are growing too big with resultant calving problems. As a precautionary measure heifers are taken from these fields.

KwaZulu-Natal

Estcourt: dr. Graham tedder

Dystocia (B 3)

Mooi River : drs. Hartley, Fowler and Mallett

Dystocia (B,O 2)

Underberg: drs. Collins, King and Delaney

Dystocia (B 2)

Eastern Cape

Alexandria: dr. Johan Olivier

Dystocia (B 2)

Alexandria: dr. Thys Potgieter

Dystocia (B 2)

Humansdorp: drs. Van Niekerk and J van Vuuren

Dystocia (B 2)

Western Cape

George: drs. Strydom, Truter, Pettifer and Alexander

Dystocia (B,3) due to overweight cows and too large calves

Caledon: dr. Ian Herbst

Dystocia: Heifers consume too much food during the latter stage of pregnancy. Heifers are over fat. Best calving season in our area is February – March.

Northern Cape

Kathu: dr. Jan Vorster

Dystocia (B 2)

Metritis (Infection of the uterus)

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

Free State

Viljoenskroon: dr. Johan Kahts

Metritis (B, 1)

Bultfontein: dr. Santjie Pieterse

Metritis (B 3)

KwaZulu-Natal

Estcourt: dr. Graham tedder

Metritis (B 2)

Underberg: drs. Collins, King and Delaney

Metritis (B 3) due to poor transition rations and dry cow management.

Eastern Cape

Humansdorp: drs. Van Niekerk and J van Vuuren

Metritis (B 1)

Alexandria: dr. Johan Olivier

Metritis (B 2)

Alexandria: dr. Thys Potgieter

Metritis (B 2)

Western Cape

Malmesbury: dr. Otto Kriek

Metritis and retained afterbirths (B 2) Mineral and vitamin A supplementation almost invariably not given according to manufacturer's recommendations.

George: drs. Strydom, Truter, Pettifer and Alexander

Metritis (B, 2)

Retained placenta

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

Mpumalanga

Volkstrust: dr. Andre Visser

Retained placenta (B 1)

North West

Christiana: dr. Pieter Nel

Retained placenta (B 3)

Free State

Viljoenskroon: dr. Johan Kahtz

Retained placenta (B, 2)

Hoopstad: dr. Kobus Pretorius

Retained placenta (B 2)

KwaZulu-Natal

Underberg: drs. Collins, King and Delaney

Retained placenta (B 3)

Moorriver: drs. Hartley, Fowler and Mallett

Retained placenta (B 2)

Western Cape

Beaufort-West: drs. Pienaar and Grobler

Retained placenta (C 2)

Malmesbury: dr. Otto Kriek

Retained placenta (B 2)

Prolapses

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

Mpumalanga

Piet Retief: drs. Weber and Niebuhr

Prolaps (O 1)

North West

Ottosdal: dr. Anton Smit

Prolapses (B 2)

Navel infections

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

Free State

Ladybrand: drs. Van Hasselt and Blaauw

Navel ill (B 1)

Viljoenskroon: dr. Johan Kahts

Navel infections (B, 2)

Hoopstad: dr. Kobus Pretorius

Navel infections (B 1)

Eastern Cape

Humansdorp: drs. Van Niekerk and J van Vuuren

Navel ill (B 1)

Joint-ill/Arthritis

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

Level of importance					1		1		
Species affected					B		B		

Free State

Bultfontein: dr. Santjie Pieterse

Arthritis (B 1)

Eastern Cape

Humansdorp: drs. Van Niekerk and J van Vuuren

Joint ill (B 1)

Mastitis

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

North West

Ottosdal: dr. Anton Smit

Mastitis (B, 3)

Free State

Drs. Van Hasselt and Blaauw – Ladybrand

Mastitis (B 1)

Bultfontein: dr. Santjie Pieterse

Mastitis (B,O 2)

KwaZulu-Natal

Estcourt: dr. Graham Tedder

Mastitis (B, 3)

Eastern Cape

Alexandria: dr. Thys Potgieter

Mastitis (B 2)

Western Cape

Malmesbury: dr. Otto Kriek

Mastitis (B 2) Rain followed by sunny spell causes rapid rise in mastitis cases on some farms.

Western Cape

George: drs. Strydom, Truter, Pettifer and Alexander

Mastitis (B, 3)

Foot rot and lameness

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

Level of importance				3	2	2	2	2	
Species affected				B	B	B,O	B	B,O	

North West

Ottosdal: dr. Anton Smit

Hoof problems (B 3)

Free State

Bultfontein: dr. Santjie Pieterse

Lameness (B 2)

KwaZulu-Natal

Moorriver: drs. Hartley, Fowler and Mallett

Lameness (B 1) Foot problems (C 2)

Eastern Cape

Humansdorp: drs. van Niekerk and J. van Vuuren

Lameness and foot problems (B 2) Severe wet conditions create uneven pathways with stones damaging hooves.. Up to 60% of herds are affected.

Alexandria: dr. Thys Potgieter

Lameness (B 2)

Western Cape

Beaufort-West: drs. Pienaar and Grobler

Lameness/foot rot (O 1)

George: drs. Strydom, Truter, Pettifer and Alexander

Lameness (B,O 2)

Darling: dr. Jannie vd Merwe

Foot abscesses in sheep: 70% of 1 800 sheep affected. Sheep bought from several areas and moved to new farm with green fields, no thorns but lots of stones.

Bloat

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

Diarrhoea

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

Mpumalanga

Middelburg: drs. Fourie and Barkhuizen

Diarrhoea (B,C 3)

North West

Ottosdal: dr. Anton Smit
Diarrhoea in calves (B 3)

FreeState

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

Hoopstad: dr. Kobus Pretorius
Diarrhoea (B 2)

Bultfontein: dr. Santjie Pieterse
Diarrhoea (B 2)

KwaZulu-Natal

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

Eastern Cape

Alexandria: dr. Thys Potgieter
Diarrhoea (B 2)

Western Cape

George: drs. Strydom, Truter, Pettifer and Alexander
Diarrhoea (B, 2)

Eye infection/Ophthalmia

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				3	3		2	2	
Species affected				B,O	B,O		B	B,O	

North West

Christiana: dr. Pieter Nel
Ophthalmia (B,O 3)

Free State

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

Eastern Cape

Alexandria: dr. Johan Olivier
Ophthalmia (B 2)

Alexandria: dr. Thys Potgieter
Ophthalmia (B 2)

Western Cape

George: drs. Strydom, Truter, Pettifer and Alexander
Eye problems (B, 2)

Beaufort-West: drs. Pienaar and Grobler

Ophthalmia due to *Moraxella ovis* (O 2). Blindness in sheep was reported by a few farmers. Swabs were taken from the cornea and conjunctiva and a *Moraxella* sp. was

isolated and an antibiogram made. Farmers were advised to immunize sheep with the cattle *Moraxella* vaccine at half the cattle dose.

Abscesses

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

Free State

Bultfontein: dr. Santjie Pieterse

Abscesses (B 3) Cattle grazing on poor veld with sticks and dry grass causing injuries.

KwaZulu-Natal

Estcourt: dr. Graham Tedder

Abscesses (B 1)

Western Cape

Beaufort-West: drs. Pienaar and Grobler

Abscesses (C 2)

George: drs. Strydom, Truter, Pettifer and Alexander

Abscesses (B 1)

Eastern Cape

Humansdorp: drs. Van Niekerk and J van Vuuren

Abscesses (B 1)

Pneumonia

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

Mpumalanga

Lydenburg: dr. Gustav Trümpelmann

Pasteurellosis (B 2)

North West

Ottosdal: dr. Anton Smit

Due to severe dusty conditions, pasteurellosis is often seen (B 3)

Free State

Viljoenskroon: dr. Johan Kahts

Pasteurellosis (B 3) The big differences between day and night temperatures created the ideal conditions for IBR and *Pasteurella* to multiply.

Harrismith: drs. Scheepers, Thirion and Nel

Pneumonia (O 2) As a result of cold wet (100 mm plus in 3 days) weather, deaths occurred on many farms. It was a combination of poor condition, poor nutrition, continuous cold wind and rain.

Ladybrand: drs. Van Hasselt and Blaauw

Pneumonia (B 1)

Hoopstad: Kobus Pretorius

Pneumonia (B,O 3)

KwaZulu-Natal

Estcourt: dr. Graham tedder

Pneumonia in dairy calves (B 2)

Eastern Cape

Alexandria: dr. Johan Olivier

Pneumonia (B 1)

Alexandria: dr. Thys Potgieter

Pneumonia (B 2)

Queenstown: dr. Gary du Preez

Pasteurellosis (O 3) More than 110 lambs died due to incorrect use of vaccines. Booster injection not given.

Western Cape

Beaufort-West: drs. Pienaar and Grobler

Pneumonia (C 2) Boergoats are farmed in a cold area. At night they are kraaled in a boma. Heaters were also used to keep them warm. Immunization programme against pneumonia was not adhered to. Young lambs contracted acute pneumonia. No macroscopic lesions seen but diagnosis confirmed with histology.

Darling: dr. Jannie vd Merwe

Pneumonia in dairy cows around calving.

George: drs. Strydom, Truter, Pettifer and Alexander

Pneumonia (B,O 3) Cold wet conditions gave rise to pneumonia. Pneumonia could be prevented if proper vaccination programmes were followed.

Northern Cape

Upington: dr. Ian Vorster

Pasteurellosis (O 3) Lambs died due to insufficient vaccination programs

Mismothering

KwaZulu-Natal

Estcourt: dr. Graham Tedder

Mismothering in goats due to starvation complex (C, 3)

Bergville: dr. Ariena Shepherd

Adult cows in good condition grazing on ryegrass have no milk. The cause is still under investigation.

Nutritional deficiencies

Macro feed deficiencies

Protein

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

Mpumalanga

Volksrust: dr. Andre Visser

Protein deficiency (B 3)

North West

Christiana: dr. Pieter Nel

Protein deficiency (B 3) Poor grazing conditions, animals losing weight. Great cost to supplement protein and energy and good rains are in great need. Veld fires have also taken its toll.

KwaZulu-Natal

Underberg: drs. Collins, King and Delaney

Protein deficiency (B 3)

Western Cape

Beaufort-West: drs. Pienaar and Grobler

Protein deficiency (B,C 2)

Energy

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

Mpumalanga

Middelburg: drs. Fourie and Barkhuizen

Energy deficiency (B 3) Cattle in poor condition lie down and are unable to rise. A sudden cold front accompanied with rain and in some places even hail, caused deaths. A winter lick doesn't help and in these circumstances a production lick should have been given much earlier to prevent animals from losing so much condition.

Volksrust: dr. Andre Visser

Energy deficiency (B 3)

North West

Christiana: dr. Pieter Nel

Energy deficiency (B 3)

Free State

Viljoenskroon: dr. Johan Kahts

Grazing generally very poor.

Harrismith: drs. Scheepers, Thirion and Nel

Energy deficiency (B,O 2)

KwaZulu-Natal

Underberg: drs. Collins, King and Delaney

Energy deficiency (B 3)

Western Cape

Beaufort-West: drs. Pienaar and Grobler

Energy deficiency (dry gall sickness) (B,C 1) Angoras and cattle were brought into the Karoo. Angoras lost weight and did not graze. Cattle lost weight and became weak. Post mortems were negative. Angoras had low copper levels on liver mineral analysis. An Angora was dosed with rumen content, sugar, yeast and vinegar. A diet of chopped lucerne and milled maize was given. Within 2 days condition of Angoras improved. The farmer was advised to give animals a vitamin/mineral supplementation with nutritional supplementation. The problem was solved.

Phosphate

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

Mpumalanga

Volkstrust: dr. Andre Visser

Phosphate deficiency (B 3)

North West

Christiana: dr. Pieter Nel

Phosphate deficiency (B 3)

Calcium

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

KwaZulu-Natal

Underberg: drs. Collins, King and Delaney

Calcium deficiency (B 3)

Eastern Cape

Humansdorp: drs. Van Niekerk and J van Vuuren

Ca deficiency (B 2)

Other Macro feed conditions

KwaZulu-Natal

Underberg: drs. Collins, King and Delaney

Starvation: Nguni deaths due to starvation and poor weather. Emerging farmers not spending money where it is needed.
 NEFA: dry cow nutrition a problem
 BHB: early lactating cows showing ketosis

Other Micro feed conditions

Copper

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

KwaZulu-Natal

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

Selenium

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

Mpumalanga

Volksrust: dr. Andre Visser
 Selenium deficiency (B 2)

North West

Christiana: dr. Pieter Nel
 Selenium deficiency (O 3)

KwaZulu-Natal

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

Vitamin A

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

North West

Christiana: dr. Pieter Nel
 Vitamin A deficiency (B,O 3)

Free State

Hoopstad: Kobus Pretorius

Vitamin A deficiency (B,O 3)

KwaZulu-Natal

Underberg: drs. Collins, King and Delaney

Vitamin A deficiency (B 3)

VitaminB 1 deficiency

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

Western Cape

Darling: dr. Jannie vd Merwe

Numerous cases of vitamin B1 deficiency in animals on green pastures.

Vredenburg: dr. Izak Rust

Vitamin B1 deficiency in sheep on green pastures, tremors and after vitamin B1 supplementation the sheep recovered.

Metabolic diseases

Acidosis

Domsiekte

Ketosis

KwaZulu-Natal

Estcourt: dr. Graham tedder

Ketosis in dairy cattle due to negative energy balance in transition period. (B, 3)

Milk fever

KwaZulu-Natal

Estcourt: dr. Graham Tedder

Milk fever cases seen due to low calcium and magnesium values in nutrition.

Western Cape

Caledon: dr. Ian Herbst

Due to oats being low in calcium many cases of milk fever are diagnosed in ewes. Do not make sudden changes in nutrition when lambs are two months of age.

Magnesium staggers

KwaZulu-Natal

Estcourt: dr. Graham tedder

Staggers in dairy cows due to lush green pastures

Other conditions

Left displaced abomasum (LDA)

KwaZulu-Natal

Estcourt: dr. Graham Tedder

In TMR herds 4 LDA's

Underberg: drs. Collins, King and Delaney

LDA's due to poor transition rations and dry cow management.

Western Cape

Darling: dr. Jannie vd Merwe

LDA's on farm with new housing- overcrowding and ration changes as possible reasons. NEFA test very high.

Freezing temperatures

Mpumalanga

Nelspruit: dr. Andre Beytell

Deaths among game and farm animals (buffalo, nyala, blesbuck, impala, zebra, ostriches, cattle). Deaths occurred in the beginning of September and similar reports were received from colleagues in the southern and eastern Highveld of Mpumalanga. This incident followed on cold, wet and windy conditions that lasted for about 2 weeks. The extent of the problem was extraordinary when compared to previous years during the changing of the seasons. No further deaths were reported when the weather conditions improved. At post mortem it was seen in the ruminants that the respiratory system had been affected but the organism involved was not typed (probably a *Pasteurella*). Examinations of non-ruminant species showed no or very little pathological changes and histological and toxicological examinations were all negative. It is thought that the duration of the poor weather conditions and poor grazing conditions at the end of the dry season gave rise to exhaustion of body reserves resulting in general weakness and deaths.

Limpopo

Makopane: dr. Henk Visser

Cold, wet (100 mm plus rain) weather at beginning of September with hail and cold winds affected cattle and game (nyala, impala and kudu). Animals found dead, mainly Brahman type calves. Game that died were in a poor condition.

Free State

Harrismith: drs. Scheepers, Thirion and Nel

Many animals died due to adverse weather conditions.

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Horses

Free State

Bethlehem: dr. Henk Basson

Colic: due to poor grazing conditions many horses suffered from impaction (H, 3)

Dogs

Outbreaks of rabies still occur and all dogs should be vaccinated against rabies.

Pigs

Feedlot report

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

Cattle feed lots:

Nutritional disturbances occurred resulting in economic loss due to bloat, red gut, acidosis and damage to rumen walls. These losses occurred in a lot of feed lots due to regular changes in feed rations as availability of ration components was variable. Thus liver abscesses occurred which were condemned at slaughter resulting in a loss of R80 per liver.

The sudden severe cold spells, which occurred in September, caused the death of many calves that were in poor condition as well as those calves that had just been weaned and had not adapted to feed lot rations.

Due to the many veld fires, grazing on many farms became a big problem and the result was that many underweight calves landed in feed lots. In spite of giving a lot of attention to these calves, losses still occurred. Calves died of pneumonia caused by *Pasteurella multocida* within a week after arriving at the feed lot. Even calves taken from their mothers (wet calves) and arriving at feed lots died with typical *Pasteurella multocida* pneumonia. Deaths of C-grades and adult cattle on the veld were due to the same type of pneumonia

Vitamin A deficiency contributed to cases of ophthalmia.

Condemnation of livers due to liver fluke infestation is at a peak during this time of the year.

Parafilaria infestations causes financial loss since big areas of meat have to be cut away where lesions occur.

Losses due to bovine malignant catarrh (snotsiekte) occurred in the northern Free State. Eight calves died 4 weeks after they had been taken away from blue wildebeest contact.

The success of applying implants should be monitored as implants are the most costly component of the processing program in feed lots. Firms supplying such implants usually provide such a service.

Measles (cysticerci) still cause huge losses since a carcass which has measles means a loss of about R1 000.00. Workers should be dewormed regularly and the addition of magnesium sulphate to the treatment helps to expel the scolex of the tape worm.

Withdrawal periods of drugs have to be strictly followed and clients using beta-agonists are remanded to follow a three day withdrawal period of the product.

Sheep feed lots:

Lambs in poor condition was once again the main reason for losses in the feed lots. No vaccine can induce sufficient protection if the lamb is not able to react to the vaccine.

Vitamin A deficiency contributed to the presence of eye problems.

Outbreaks of coccidiosis occurred in kraals where troughs were contaminated with dung or where feed spilled over on the ground and lambs then took in oocysts with their food.

FSE (chronic pulpy kidney) occur in lambs 10 days after processing. Losses due to pulpy kidney is still one of the biggest problems in a feedlot. Lambs that are not vaccinated before weaning are the group at risk and therefore farmers are encouraged to vaccinate their lambs before weaning. Please use a vaccine that has the necessary safety and efficacy data i.e. a registered vaccine.

Dust is still a great factor in pneumonia outbreaks.

Mistakes made in ration formulations lead to rumen damage and acidosis and is picked up at the abattoir. Such rumens are condemned and contribute towards losses due to poor growth, diarrhoea and deaths due to blood gut and acidosis during such incidents. Internal parasite infestations are not seen at this stage.

Liver tape worm (*Stilesia hepatica*) is seen at slaughter in the bile ducts of sheep livers from certain farms and such livers are condemned.

Laboratory reports

Pathcare –Cape Town – Jeanette Wentzel

Disease	Specie	District	Notes
Pulpy kidney	Sheep	Bultfontein Swellendam	
Malnutrition/ Hypoproteinaemia	Sheep	Worcester	
Pneumonia	Sheep	Mpumalanga	
White muscle disease	Sheep	Worcester	

Coccidiosis	Sheep	Piketberg	
Suspected <i>Gedoelestia</i>	Sheep	Otjiwarongo	
Pneumonia	Cattle	Eastern Cape	3 cattle
Black leg	Cattle	Kimberley	
Hipoproteinaemia	Cattle	Riversdal	
Ketosis	Cattle	Vaalharts	
Leukosis	Cattle	Mpumalanga	
Septicaemia	Cattle	Port-Elizabeth	
Bakterial placentitis	Cattle	Port-Elizabeth	Aborted foetus
Cryptosporidiosis	Cattle	Worcester	
Foreign body pneumonia	Goats	Vredendal	
Septicaemia	Goats	Port-Elizabeth	
Malnutrition	Goats	Vredendal	
Enterotoxaemia	Goats	Oudtshoorn	
Exposure	Goats	Kimberley	
Necrotic placentitis	Goats	Kimberley	
Circovirus	Pigs	Montague	
African swine fever	Pigs	Namibia	Confirmed PCR
Melanomas	Horses	Grootfontein	
Squamous cell carcinoma	Horses	Ladybrand	
Sarcoid	Horses	Bloemfontein Kimberley	
Septicaemia (foetus)	Horses	East-London Worcester	
Malnutrition	Game	Bloemfontein	
Tuberculosis	Vervet monkey	Bellville	
Bakterial/Foreign body pneumonia	Springbuck Zebra	Vaalharts West coast	
Capture myopathy	Buffalo	Bloemfontein	
Theileriosis	Baster Gemsbok	Kimberley	
Toxoplasmose	Meerkat	Plettenbergbaai	
Demodex	Hase	Bellville	

MONTHLY DISEASE HIGHLIGHTS.

CASES RECEIVED AT IDEXX LABORATORIES DURING SEPTEMBER 2012
submitted by dr. Maryke Henton

Blue udder was again the cause of severe losses in sheep, but *Staphylococcus intermedius* was isolated from the majority of the samples.

The OBP Blue udder vaccine contains *Staphylococcus aureus* and it is unlikely that there would be any cross-protection for *S. intermedius* infections, and an autogenous vaccine was recommended.

The commonest isolate this month from farm animals was *Trueperella* [*Arcanobacterium*, *Actinomyces*, *Corynebacterium*] *pyogenes*. It was isolated from abscesses, infected joints, pneumonia and in one case, from an Angora goat with metritis. *Trueperella pyogenes* often has a symbiotic association with an anaerobe, and the anaerobe, *Prevotella*, was also isolated from the metritis case. Anaerobes are usually susceptible to metronidazole, but this cannot always be administered to livestock. As anaerobes are very sensitive to oxygen, a good way of combating them is to lance any abscesses, and to clear away all the pus, so that oxygen can penetrate easily.