

Monthly report on livestock disease trends as informally reported by veterinarians in South Africa October 2012

Introduction and summary of diseases and other conditions during October 2012

The number of practices reporting are increasing – hopefully Limpopo will get on board in future. Thank you to all who participated.

Internal parasite infestations are increasing throughout the country and now is the time to be aware of outbreaks and checking control programmes. Egg count reduction tests should be done to check which anthelmintic groups are still controlling the roundworm infestation on the farm.

The active group is indicated by a number on the container:

Group code	Generic class of actives	Examples of actives
1*	Macrocyclic lactones	Abamectin Doramectin Eprinomectin Ivermectin Moxidectin
2*	Benzimidazoles (white drugs)	Albendazole Ricobendazole Fenbendazole Febental Triclabendazole
3*	Imidathiazoles (clear drugs)	Levamisole Morantel
4*	Salicylanilides	Closantel Niclosamide Rafoxanide Resorantel
5*	Phenols	Nitroxynil
6*	Sulphonamides	Clorsulon
7*	Organophosphors	Trichlorfon
8*	Isoquinolones	Prasiquantel
9*	Others Amino-acetonitryl derivatives (AAD's)	Piperazine Monepantel
10*	Spiroindoles	Derquantel

Make sure that the concept of “**refugia**” is understood by farmers so as to retard the selection of worm resistance to anthelmintics. Remember that all animals that are bought should be quarantined and treated and then tested that their faecal egg counts have dropped to zero before introducing them into the flock. Veterinarians can order FAMACHA charts from Lana Botha (012 5298586)

Animals that have been grazing in vleis and that are infested with **liver flukes** should be treated - the only active that control liver fluke from a very young age is triclabendazole. Speak to your veterinarian about tests to determine whether your animals are infested with liver flukes.

An increase in the occurrence of **coccidiosis** and **cryptosporidia** are reported due to

intensification of farming practices. Make sure that wet conditions are restricted to the minimum.

Blue tick numbers are increasing and therefore the risk of outbreaks of **Asiatic** and **African red water** increases as well. Has the resistance status of the blue ticks on the farm to acaricides been established? Have the animals been vaccinated? Does the farmer have a strategy to control ticks and tick transmitted diseases? Now is the time to discuss strategy with your veterinarian before outbreaks and economic losses occur.

Outbreaks of **anaplasmosis** have been reported throughout the country. This disease should be controlled by vaccinating cattle at a young age and controlling biting flies and blue ticks which also transmits the disease.

Heartwater outbreaks were reported in the transition areas bordering the enzootic stable areas. Game such as kudu's and warthogs are also spreading heartwater infected bont ticks. Farmworkers should be trained to recognize the first clinical signs of diseases and how to use a thermometer.

Lumpy skin disease has been reported and animals should now have been vaccinated against insect transmitted diseases such as **blue tongue**, **Rift Valley fever**, **Wesselsbron**, **three day stiff sickness**, **horse sickness**. Biting insects are more prevalent in low lying areas and can be controlled by using pyrethroids eg. deltamethrin.

In spite of regular reporting of outbreaks of **venereal diseases (trichomonosis, vibriosis, brucellosis, ram's disease, peestersiekte)** and advising farmers to contact their veterinarians for help and advice, these diseases are reported each month. Millions of Rands are lost due to lower calving percentages, abortions and culling of genetic material.

Every month deaths are reported due to **clostridial diseases** (gasgangrene, blood gut, red gut, enterotoxaemia, tetanus, botulism). These diseases can be controlled by vaccination but farmers often make big mistakes by not giving the booster vaccinations. Discuss and update vaccination programmes regularly with your veterinarian.

Calf diseases caused by **Escherichia coli**, **Salmonella Dublin** and **Serratia odeferans** were reported. It is important to get a diagnosis and to vaccinate cows with the relevant vaccines before calving so that the calf receive optimal protection through the colostrum.

Ophthalmia in cattle could be prevented to a great extent by vaccinating animals against **Moraxella bovis** and by practising **fly control**.

It is important to take note that the bacteria **Pasteurella multocida** is isolated more and more as the cause of **pneumonias** in feedlots

Many dystocias were reported and the main reasons were due to the pelvis of the heifer being too small or the calf being too big. Contact your veterinarian so that pelvis measurements are done before the next breeding season and all female animals with too small pelvi are culled.

Poisonings that were reported: **urea**, **tulip**, **Lantana**, **gousiekte**, **Senecio**, **cardiac glycosides**, **rye grass** and **acidosis**.

Level of Reporting

The following colleagues submitted reports for October 2012:

Mpumalanga

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

Gauteng

Drs. Harmse *et al* - Onderstepoort

Limpopo

North West

Dr. Ian Jonker – Leeudoringstad
Dr. Pieter Nel – Christiana
Dr. Olaf Marais – Ventersdorp

Free State

Drs. Basson, Strydom and Strydom - Bethlehem
Dr. P P Brandt - Zastron
Drs. Scheepers, Thirion and Nel – Harrismith
Dr. Johan Kahts - Viljoenskroon
Dr. Dries Lessing – Frankfort
Dr. Kobus Pretorius – Hoopstad
Dr. Liezel Wasserman – Clocolan
Drs. I. Hattingh and W.D. Hauptfleisch – Villiers
Dr. Johan Wessels - Parys

KwaZulu-Natal

Drs. Carr and Sparks - Howick
Drs. Collins, King and Delaney – Underberg
Drs. Turner, Tedder, Tratschler, Alwar, Taylor and Van Rooyen – Estcourt
Dr. Ariena Shepherd – Bergville
Dr. Trever Viljoen – Mtubatuba
Dr. Phillip Kretzmann – Pietermaritzburg
Dr. Tony Grace – Dundee
Dr. Mits Morford – Ixopo
Dr. Silke Pfitzer - Pongola

Eastern Cape

Dr. Francois van Niekerk and J Van Vuuren – Humansdorp
Dr. Johan Olivier – Alexandria
Dr. André Reitz – Plettenberg Bay
Drs. Lategan, Hoek and MacFarlane

Western Cape

Drs. Strydom, Truter, and Pettifer – George
Drs. Pienaar and Grobler – Beaufort-West
Dr. Jannie van der Merwe – Darling
Dr. William van Zyl – Wellington
Dr. Norman Pearson - Swellendam

Northern Cape

Dr. Ian Vorster – Upington
Dr. Dirk van der Merwe - Calvinia

Feed lot report

Drs. Shaun Morris and Eben du Preez

Laboratory reports

Dr. Liza du Plessis – Idexx SA Onderstepoort
Me. Jeanette Wentzel – Pathcare Cape Town

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

Mpumalanga

Middelburg: drs. Fourie en Barkhuizen

Intestinal parasites (O 3) Sudden and big rises in wireworm egg counts were observed. Some of these sheep had not even been on green pastures. In these sheep the counts were most probably due to overwintering parasites

Standerton: dr. Kobie Kroon

Intestinal parasites (O 2)

Gauteng

Onderstepoort: drs. Harmse et al.

Intestinal roundworms (O,C 3) Normal occurrence during this time of the year.

Free State

Harrismith: drs. Scheepers, Thirion and Nel

Roundworm infestation (O 3). Severe wireworm infestation in ewes kept in small camps overnight.

Villiers: drs. Hattingh and Hauptfleisch

Wireworm (O,C 1)

Bankruptworm (O 1)

KwaZulu-Natal

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

Intestinal roundworms (B 2)

Mtubatuba: Trever Viljoen

Intestinal round worms (B,O,C 2)

Pietermaritzburg: dr. Phillip Kretzmann

Intestinal roundworms (B 2) Problem is escalating due to early rains

Eastern Cape

Jeffreys Bay: Lategan, Hoek and McFarlane

Intestinal roundworms (B 3)

Western Cape

Darling: dr. Jannie vd Merwe

Roundworm infestation (B 3). Severe infestation in bulls grazing on kweek.

Beaufort-West: drs. Pienaar and Grobler

Intestinal roundworms (O 1)

Wellington: dr. William van Zyl

Intestinal roundworms in an Alpaca

Resistant roundworms

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	O								

Mpumalanga**Standerton: dr. Kobie Kroon**

Resistant intestinal parasites (O 1)

Volkstrust: dr. Andre Visser

Resistant intestinal parasites (O 2)

Tapeworms

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

Mpumalanga**Standerton: dr. Kobie Kroon**

Tapeworms (B,O 2)

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

Tapeworms (O 1)

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

Tapeworms (O 3) Numerous adult ewes infested with tapeworms

Hoopstad: Kobus Pretorius

Tapeworms (O 2)

Villiers: drs. Hattingh and Hauptfleisch

Tapeworms (O 1)

KwaZulu-Natal**Dundee: dr. Tony Grace**

Tape worms (B 1)

Pietermaritzburg: dr. Phillip Kretzmann

Tapeworms (B 2)

Cysticercosis (B 1)

Eastern Cape

Jeffreys Bay: Lategan, Hoek and McFarlane

Tapeworms (B 3)

Western Cape

George: drs. Strydom, Truter and Pettifer

Tape worms (O 1)

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				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		1		
Species affected	B				B,O		B		

Mpumalanga

Middelburg: drs. Fourie en Barkhuizen

Liver fluke (B 3) A large percentage of cattle is infected with liver fluke. The infestation is seen at abattoirs and at post mortems. On the Highveld animals should be treated at least twice per year with an effective drug

Standerton: dr. Kobie Kroon

Liver fluke (B 2)

Free State

Bethlehem - drs. Basson, Strydom and Strydom

Liver fluke (B,O 2)

Frankfort: dr. Dries Lessing

Many positive animals with liver fluke seen

Villiers: drs. Hattingh and Hauptfleisch

Liver fluke (B,O 3) Animals affected the worst are those that were put to grazing in the vleis or low lying areas with water sources. Water levels are lower and concentration of snails, the intermediate hosts, took place with more concentrated infective stages (metacercariae). Clinical signs seen are weight loss and pale mucous membranes. With high levels of liver fluke infestation the liver could be so damaged that internal bleeding and death could take place.

Eastern Cape

Jeffreys Bay: Lategan, Hoek and McFarlane

Liver fluke (B 1)

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				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			
Species affected	B				B	B			

Mpumalanga

Standerton: dr. Kobie Kroon

Conical fluke (B 2)

FreeState

Frankfort: dr. Dries Lessing

Many positive animals seen

Hoopstad: Kobus Pretorius

Conical fluke (B 3)

Villiers: drs. Hattingh and Hauptfleisch

Conical fluke (B 3) Animals that are affected the worst are those animals that were put to grazing in the vleis or low lying areas with water sources. Water levels are lower and concentration of snails the intermediate hosts, took place with more concentrated infective stages (metacercariae). Clinical signs seen diarrhoea, weight loss and deaths.

KwaZulu-Natal

Dundee: dr. Tony Grace

Conical fluke (B 1)

Pietermaritzburg: dr. Phillip Kretzmann

Conical fluke (B 2)

Parafilaria

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			

Free State

Zastron: dr. P P Brandt

Parafilaria (B 1)

KwaZulu-Natal

Mtubatuba: Trevor Viljoen

Parafilaria (B 2)

Pietermaritzburg: dr. Phillip Kretzmann

Parafilaria (B 1)

External parasites

Blue Ticks

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

Mpumalanga

Middelburg: drs. Fourie and Barkhuizen

Blue ticks (B 3) Early summer rain in the beginning of September had the effect that there are much more blue ticks present than last year. Outbreaks of both types of red water have already occurred in susceptible cattle.

Piet Retief: drs. Niebuhr and Weber

Blue ticks (B 2)

Standerton: dr. Kobie Kroon

Blue ticks (B,O 2)

Volksrust: dr. Andre Visser

Blue ticks (B 3)

Gauteng

Onderstepoort: drs. Harmse et al.

Blue ticks (B,O,C 3)

North West

Ventersdorp: dr. Olaf Marais

Blue ticks (B 2)

Free State

Bethlehem - drs. Basson, Strydom and Strydom

Blue ticks (B 3)

Hoopstad: dr. Kobus Pretorius

Blue ticks (B,O,C 3)

Villiers: drs. Hattingh and Hauptfleisch

Blue ticks (B 2)

KwaZulu-Natal

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

Blue ticks (B 3)

Howick: drs. Carr and Sparks

Blue ticks (B 2)

Mtubatuba: Trever Viljoen

Blue ticks (B 2)

Pietermaritzburg: dr. Phillip Kretzmann

Blue ticks (B 2)

Western Cape

George: drs. Strydom, Truter and Pettifer

Blue ticks (B 2)

Darling: dr. Jannie vd Merwe

Blue ticks (B 3)

Resistant ticks

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

Gauteng

Onderstepoort: drs. Harmse et al.

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

Free State

Bethlehem - drs. Basson, Strydom and Strydom

Bont-legged ticks (B 2)

Villiers: drs. Hattingh and Hauptfleisch

Bont-legged ticks (B 2)

Red legged ticks

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

KwaZulu-Natal

Dundee: dr. Tony Grace

Red legged ticks (B 3)

Howick: drs. Carr and Sparks

Red legged ticks (B 2)

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							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		

Western Cape

Plettenberg Bay: dr. André Reitz

Brown ear ticks (B 2)

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

Gauteng

Onderstepoort: drs. Harmse et al.

Bont ticks (B,O,C 3)

KwaZulu-Natal

Dundee: dr. Tony Grace

Bont ticks (B 3)

Mtubatuba: Trever Viljoen

Bont ticks (B,O,C 3)

Pietermaritzburg: dr. Phillip Kretzmann

Bont ticks (B 3)

Paralysis 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				
Level of 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				O				

Mpumalanga

Standerton: dr. Kobie Kroon

Paralysis ticks (O 2)

Free State

Villiers: drs. Hattingh and Hauptfleisch

Paralysis ticks (O 2)

Biting Lice

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				

FreeState

Standerton: dr. Kobie Kroon

Biting lice (B 2) Due to plunge dipping of sheep not practised, numbers of biting lice are increasing.

Hoopstad: Kobus Pretorius

Biting lice (B 2)

Zastron: dr. P. P Brandt

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

Free State

Hoopstad: dr. Kobus Pretorius

Sucking lice (B 2)

Villiers: drs. Hattingh and Hauptfleisch

Sucking lice (B,O,C 2)

Screw-worm

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,C, WL			

KwaZulu-Natal

Mtubatuba: Trever Viljoen

Screw-worm (B,C, Wildlife 2)

Mites (Sheep scab)

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

Nuisance and biting flies,

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

North West

Ventersdorp: dr. Olaf Marais

Nuisance flies (B 3)

Free State

Bethlehem - drs. Basson, Strydom and Strydom

Nuisance flies (O 2)

Hoopstad: dr. Kobus Pretorius

Nuisance flies (B 2)

KwaZulu-Natal

Dundee: dr. Tony Grace

Nuisance flies (B,O,C 3)

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

Nuisance flies (B 3)

Mtubatuba: Trever Viljoen

Nuisance flies (B,C,E 2)

Blowflies

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

Free State

Bethlehem - drs. Basson, Strydom and Strydom

Blowflies (O 2)

Hoopstad: dr. Kobus Pretorius

Blowflies (O 3)

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									
Species affected									

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

Mpumalanga

Middelburg: drs. Fourie and Barkhuizen

African red water (B 2) Early summer rain in the beginning of September had the effect that there are more blue ticks present than last year. Outbreaks of both types of red water have already occurred in susceptible cattle.

Free State

Bethlehem - drs. Basson, Strydom and Strydom

African red water (B 1)

Frankfort – dr. Dries Lessing

African red water (B 2)

Parys: dr. Johan Wessels

African red water (B 1) A new farm was bought adjacent to an existing farm and animals were moved to the new farm after which a cow died due to African red water. The herd was not blocked against red water but observation was improved and no further animals died.

Lesson: If animals are moved to unknown conditions good daily observations for at least a month should be done so that if something happens, an early diagnosis can be made to prevent losses e.g. due to infectious diseases, toxic plants or water resources and mineral deficiencies.

Villiers: drs. Hattingh and Hauptfleisch

African red water (B 1)

KwaZulu-Natal

Dundee: dr. Tony Grace

African red water (B 3)

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

African red water (B 3)

Howick: drs. Carr and Sparks

African red water (B 1)

Ixopo: dr. Mits Morford

African red water (B 2)

Mtubatuba: Trevor Viljoen

African red water (B 2)

Pietermaritzburg: dr. Phillip Kretzmann

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	4				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	1		
Species affected	B				B	B	B		

Mpumalanga

Lydenburg: Gustav Trümpelmann

Asiatic red water (B 1)

Middelburg: drs. Fourie and Barkhuizen

African red water (B 2) Early summer rain in the beginning of September had the effect that there are more blue ticks present than last year. Outbreaks of both types of red water have already occurred in susceptible cattle.

Piet Retief: drs. Niebuhr and Weber

Asiatic red water (B 2)

Volkstrust: dr. Andre Visser

Asiatic red water (B 2)

Free State

Frankfort: dr. Dries Lessing

Asiatic red water cases seen (B 2)

KwaZulu-Natal

Dundee: dr. Tony Grace

Asiatic red water (B 3): acute outbreaks of 1-2 animals at a time – no vaccination practised in these herds

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

Asiatic red water (B 2)

Howick: drs. Carr and Sparks

Asiatic red water (B 2)

Western Cape

Plettenberg Bay: dr. André Reitz

Asiatic red water (B 1)

Anaplasmosis

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

Mpumalanga

Piet Retief: drs. Niebuhr and Weber

Anaplasmosis (B 1)

North West

Christiana: dr. Pieter Nel

Anaplasmosis (B 3) Anaplasmosis vaccine is out of stock for 6 months. New bulls and calves younger than 9 months have to be vaccinated. The disease is rife in the area and occur even if cattle are moved for 30 km.

Leeudoringstad: dr. Ian Jonker

Anaplasmosis (B 2)

Free State

Bethlehem - drs. Basson, Strydom and Strydom

Anaplasmosis (B 3)

Hoopstad: dr. Kobus Pretorius

Anaplasmosis (B 3)

Clocolan: dr. Liezel Wasserman

Anaplasmosis (B 2)

Villiers: drs. Hattingh and Hauptfleisch

Anaplasmosis (B 1)

Zastron: dr. P P Brandt

Anaplasmosis (B 1)

KwaZulu-Natal

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

Anaplasmosis (B 2)

Howick: drs. Carr and Sparks

Anaplasmosis (B 1)

Eastern Cape

Alexandria: dr. Johan Olivier

Anaplasmosis (B 2)

Western Cape

Darling: dr. Jannie vd Merwe

Anaplasmosis (B 3)

Heartwater

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

Level of importance	1	2				3			
Species affected	B	B,O,C				B,C			

Mpumalanga

Middelburg: drs. Fourie and Barkhuizen

Heartwater (B 1) The disease is the most difficult to control in the transition areas where the disease occurs occasionally but is not endemic (does not occur regularly).

Volksrust: dr. Andre Visser

Heartwater (B 1) Cattle brought in from the Lowveld to Volksrust area. A cow of his own animals died and on histology a diagnosis of heartwater was made. On inspection heartwater ticks were found on the cattle.

Gauteng

Onderstepoort: drs. Harmse et al.

Heartwater (B,O,C 2)

KwaZulu-Natal

Dundee: dr. Tony Grace

Heartwater (B 3): Outbreaks of 3-5 animals dying until blocking achieved and dipping instituted. Most farms with outbreaks are on the border of the heart water areas and it is difficult to achieve a stable situation. Other areas have heart water introduced through speculation.

Mtubatuba: Trevor Viljoen

Heartwater (B,C 3) As a result of rains heartwater tick numbers increased.

Corridor disease

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

Sweating sickness

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

Bethlehem - drs. Basson, Strydom and Strydom

Sweating sickness (B 1)

Hoopstad: Kobus Pretorius

Sweating sickness (B 2)

Insect transmittable diseases

Lumpy skin disease

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

Mpumalanda

Volksrust: dr. André Visser

Lumpy skin disease (B 2)

KwaZulu-Natal

Howick: drs. Carr and Sparks

Lumpy skin disease (B 3) in vaccinated and unvaccinated herds.

Mtubatuba: Trever Viljoen

Lumpy skin disease (B 1)

Pietermaritzburg: dr. Phillip Kretzmann

Lumpy skin disease (B 2)

Western Cape

Wellington – dr. William van Zyl

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
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		

KwaZulu-Natal

Pietermaritzburg: dr. Phillip Kretzmann

Suspected Pseudo lumpy skin disease

Eastern Cape

Jeffreys Bay: Lategan, Hoek and McFarlane

Pseudo lumpy skin (B 2)

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

Gauteng

Onderstepoort: drs. Harmse et al.

Three day stiff sickness (B 2) Numerous cows on one farm contracted this disease.

Eastern Cape

Jeffreys Bay: Lategan, Hoek and McFarlane

Three day stiffness (B 2)

Blue tongue

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									

Rift Valley fever

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

Nagana

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

KwaZulu-Natal

Mtubatuba: dr. Trever Viljoen

Nagana (B 3) occurs in cattle in communal grazing areas.

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	4				8		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				B		B	B	

Mpumalanga

Lydenburg: Gustav Trümpelmann

Trichomonosis (B 3) in 3 herds

Piet Retief: drs. Niebuhr and Weber

Trichomonosis (B 1)

Standerton: dr. Kobie Kroon

Trichomonosis (B 3) Not all farmers are testing their bulls and therefore the disease is spreading.

Volkstrust: dr. André Visser

Trichomonosis (B 2)

Free State

Bethlehem - drs. Basson, Strydom and Strydom

Trichomonosis (B 3) Four new positive herds with each having more than 4 positive bulls in each herd.

Clocolan: dr. Liezel Wasserman

Trichomonosis (B 3)

Frankfort: dr. Dries Lessing

Many trichomoniasis cases seen

Harrismith: drs. Scheepers, Thirion en Nel

Trichomonosis (B 3). Numerous cases of bulls testing positive for trichomonosis. Most bulls on farms have been tested and positive bulls slaughtered.

Hoopstad: Kobus Pretorius

Trichomonosis (B 3) Treated 70 bull, many positive bulls were slaughtered.

Parys: dr. Johan Wessels

Trichomonosis (B 2) Biosecurity still the main problem.

Lesson: It seems as if some producers are never going to contain this disease as their neighbours do not care about their animals' disease status. And bulls break through fences and transmit venereal diseases. Some farmers even borrow bulls from neighbours or lend bulls without considering diseases..

Viljoenskroon: dr. Johan Kahts

Trichomonosis (B 3)

Villiers: drs. Hattingh and Hauptfleisch

Trichomonosis (B 3)

Eastern Cape

Jeffreys Bay: Lategan, Hoek and McFarlane

Trichomonosis (B 2)

Alexandria: dr. Johan Olivier

Trichomonosis (B 1)

Western Cape

George: drs. Strydom, Truter and Pettifer

Trichomonosis (B 3) First big outbreak. Always warn farmers about trichomonosis due to the danger of moving infected animals over borders

Vibriosis

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

Mpumalanga:

Lydenburg: dr. Gustav Trümpelmann

Vibriosis (B 2) in 5 herds.

Free State

Clocolan: dr. Liezel Wasserman

Vibriosis (B 2)

Frankfort: dr. Dries Lessing

Many vibriosis positive cases diagnosed (B 3)

Hoopstad: dr. Kobus Pretorius

Vibriosis (B 2)

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

KwaZulu-Natal

Estcourt: drs. Turner, Tedder, Tratschler, Alwar, Taylor and Van Rooyen
Vibriosis (B 3)

Peestersiekte

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					1				
Species affected					O,C				

Free State

Bethlehem - drs. Basson, Strydom and Strydom
Peestersiekte (C 1)

Hoopstad: dr. Kobus Pretorius
Peestersiekte (O 1)

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

Mpumalanga

Piet Retief: drs. Niebuhr and Weber
Swelled head (Dikkop sponssiekte) (B 2)

Free State

Harrismith: drs. Scheepers, Thirion and Nel
Black quarter (B 2). Few calves (1-2 months old) died acutely on two different farms. *Clostridium* specie not diagnosed. Cows had their yearly vaccination with *C. chauvoei*.

Parys: dr. Johan Wessels
Black quarter (B 1) A 12 month old bull died as no booster vaccination was given after the first injection. Typing of the specific *Clostridium* bacterium is still outstanding.

Lesson: Producers should not “forget” to follow the recommendations of their veterinarian to boost the vaccinations when dealing with bacterial diseases. The immune protection levels decrease if this is not done.

Villiers: drs. Hattingh and Hauptfleisch

Black quarter (B 2) Calves that are fattened on irrigated pastures and those that suddenly have access to sprouting grass after a severe winter, are prone to clostridial diseases.

KwaZulu-Natal

Dundee: dr. Tony Grace

Black quarter (B 1)

Howick: drs. Carr and Sparks

Black quarter (B 1)

Western-Cape

Beaufort-West: drs. Pienaar and Grobler

Black quarter (B 2)

Northern Cape

Calvinia: dr. Dirk van der Merwe

Uterine gangrene (O 2) Out of 209 ewes, 9 died due to uterine gangrene. Ewes were brought in and lambed in a small camp.

Pulpy Kidney

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

Hoopstad: dr. Kobus Pretorius

Pulpy kidney (O 3)

Villiers: drs. Hattingh and Hauptfleisch

Pulpy kidney (O 2) With the increased quality of natural grazing after early spring rains a population explosion of clostridial bacteria takes place in the intestines of animals. In sheep flocks, especially in those animals that were not recently vaccinated against clostridial diseases outbreaks of pulpy kidney and to a lesser extent blood gut occur.

Northern Cape

Upington: dr. Ian Vorster

Pulpy kidney (O 3) deaths in young lambs that were not vaccinated.

Lamb dysentery (*Clostridium perfringens* type B)

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

Red gut (B)/Blood gut(O)

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

Free State

Bethlehem - drs. Basson, Strydom and Strydom

Red gut (B 1)

Clocolan: dr. Liezel Wasserman

Blood gut (O 2)

Villiers: drs. Hattingh and Hauptfleisch

Red gut (B 2), Blood gut (O 2) With the increased quality of natural grazing after early spring rains a population explosion of clostridial bacteria takes place in the intestines of animals. In sheep flocks, especially in those animals that were not recently vaccinated against clostridial diseases, outbreaks of blood gut and red gut occurred..

KwaZulu-Natal

Mtubatuba: dr. Trever Viljoen

Bloodgut (O 1)

Eastern Cape

Alexandria: dr. Johan Olivier

Red gut (B 1)

Tetanus

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									O

Northern Cape

Calvinia: dr. Dirk van der Merwe

Tetanus (O 3) Lambs' tails were docked using elastrator bands

Botulism

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

Botulism (B 2)

Brucellosis (*Brucella abortus*)

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

Species affected				B	B				
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North West

Ventersdorp: dr. Olaf Marais
Brucellosis (B 1)

Free State

Bethlehem - drs. Basson, Strydom and Strydom
Brucellosis (B 3) Disease is spreading

Frankfort: dr. Dries Lessing
Cattle bled for brucellosis and many found to be positive on serology

Hoopstad: dr.Kobus Pretorius
Brucellosis (B 3) positive animals increasing

Parys: dr. Johan Wessels
Brucellosis (B 3) Many beef herds are positive for brucellosis and this disease has the biggest impact on beef production in my area. When a herd gets infected and no corrective steps are taken, each cow has a chance to abort in her life time. Most of the time her calf will also be infected, spread the disease and will also have an abortion. It is imperative that all role players should work together in containing and eradicating this disease.

Villiers: drs. Hattingh and Hauptfleisch
Brucellosis (B 3) In larger farming units, where cattle are used to consume stubble on harvested fields, brucellosis is a serious problem. Heifers are not vaccinated and herdsmen do not report abortions. Cows that aborted are not isolated and the disease just spreads.

Johnes disease

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

Eastern Cape

Alexandria: dr. Johan Olivier
Bled 100 cattle for Johnes and tests were all negative.

Ram disease (*Brucella ovis*)

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

Free State

Frankfort – dr. Dries Lessing
B.ovis positive rams (O 3)

Ram disease (HPA organisms)

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

No vets reporting this disease									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	

Western Cape

Darling – dr. Jannie van der Merwe

Actinobacillus seminis diagnosed in 12 month old Suffolk rams – puss cells found in semen

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

North West

Christiana: dr. Pieter Nel

E. coli (B 3) infection in dairy calves. Even after making antibiograms treatment results are poor. A few cases of infection in beef calves.

Free State

Bethlehem - drs. Basson, Strydom and Strydom

E. coli (B 1)

KwaZulu-Natal

Dundee: dr. Tony Grace

E. coli (B 2)

Ixopo: dr. Mits Morford

E. coli (B 3) An outbreak of *E. coli*, killing a large number of +/- 3 week old calves occurred. The disease was virulent and not easy to cure with a high mortality rate. After taking samples a haemolytic *E. coli* was isolated. Source appears to be contaminated soil in a calving camp that had been used for years. A lactating cow got a severe case of probably *E. coli* mastitis, from the same camp, but was treated before samples could be taken.

Eastern Cape

Jeffreys Bay: Lategan, Hoek and McFarlane

E. coli (B 3)

Northern Cape

Upington: dr. Ian Vorster

E. coli (O 3) deaths in the first 2 weeks after birth.

Salmonellosis

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				

North West

Leeudoringstad: dr. Ian Jonker

Salmonellosis (B 3) infections in beef calves on veld.

KwaZulu-Natal

Pongola: dr. Silke Pfitzer

Salmonellosis (B 3) 60 dairy calves were bought in from the Eastern Cape by inexperienced people to raise and make money. The calves were very young and in bad condition, no history of vaccination and possibly from different dairies as they were of different breeds.

They lost 7 animals, then asked the veterinarian to do a *post mortem*. No diarrhoea was seen at this stage, just lung lesions. Vetdiagnostix, doing histopathology, diagnosed suspected salmonellosis. Confirmation was not possible as owner did not want further examinations. Calves were treated with antibiotics and anti-inflammatory drugs, later electrolytes but 3 more calves died.

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 (*Chlamydophyla*)

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

Eastern Cape

Jeffreys Bay: Lategan, Hoek and McFarlane

Chlamydiosis (B 2)

Other Bacterial infections

North West

Leeudoringstad: dr. Ian Jonker

Post natal calf mortalities due to septicemia caused by an opportunistic bacteria *Serratia odoriferans*. Could be confused with leptospirosis.

Western Cape

Beaufort-West: Drs. Pienaar and Grobler

Septicaemia (O1)

Cystitis and peritonitis (B 1)

Viral diseases

Bovine Malignant Catarrh - BMC (Snotsiekte)

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

Free State

Bethlehem - drs. Basson, Strydom and Strydom

Snotsiekte (B 2)

Harrismith: drs. Scheepers, Thirion and Nel

Snotsiekte (B 1)

Hoopstad: dr. Kobus Pretorius

Snotsiekte (B 2)

Eastern Cape

Humansdorp: drs. Van Niekerk and J Van Vuuren

Snotsiekte (B 1) Two cases of snotsiekte where cattle had contact with black wildebeest.

BVD

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

North West

Leeudoringstad: dr. Ian Jonker

BVD (B 2) Abnormal calves (arthrogryposis) born could be due to BVD.

Free State

Villiers: drs. Hattingh and Hauptfleisch

BVD (B 2)

Western Cape

George: drs. Strydom, Truter and Pettifer

BVD (B 1)

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	

Western Cape

George: drs. Strydom, Truter and Pettifer

IBR (B 3) Herd was not vaccinated against IBR. Weak, blind calves were born and abortions occurred.

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

North West**Ventersburg: dr. Olaf Marais**

EBL (B 3) Out of 150 cows tested for EBL only 30 negative and 70 animals have died to date due to EBL.

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

EBL (B 3) A surge in diagnoses coinciding with seasonal calving when stress precipitates clinical manifestations of long-standing leukosis.

Eastern Cape**Jeffreys Bay: Lategan, Hoek and McFarlane**

EBL (B 3)

Warts & Orf

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

Mpumalanga**Lydenburg: dr. Gustav Trümpelmann**

Orf (O 2)

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

Warts (B 2)

Orf (O 1)

Villiers: drs. Hattingh and Hauptfleisch

Orf (O,C 2)

KwaZulu-Natal**Dundee: dr. Tony Grace**

Orf (C 1)

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

Warts (B 2)

Howick: drs. Carr and Sparks

Warts (B 1)

Mtubatuba: dr. Trever Viljoen

Warts (B 2)

Pietermaritzburg: dr. Phillip Kretzmann

Warts (B2)

Rabies

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

Free State

Bethlehem - drs. Basson, Strydom and Strydom

Rabies (B 1)

Other viral infections

Fungal Diseases

Ringworm

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

Gauteng

Onderstepoort: drs. Harmse et al.

Ringworm (B 1)

Free state

Hoopstad: dr. Kobus Pretorius

Ringworm (B 3)

KwaZulu-Natal

Howick: drs. Carr and Sparks

Ringworm (B 1)

Mtubatuba: dr. Trever Viljoen

Ringworm (B 2)

Eastern Cape

Jeffreys Bay: Lategan, Hoek and McFarlane

Ringworm (B 3)

Alexandria: dr. Johan Olivier

Ringworm (B 3)

Western Cape

Darling: dr. Jannie van der Merwe

Ringworm (B 3)

Wellington: dr. William van Zyl

Ringworm (O 2)

Northern Cape

Upington: dr. Ian Vorster

Ringworm (O 3) numerous cases in Dorpers

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

Mpumalanga

Middelburg: drs. Fourie and Barkhuizen

Coccidiosis (O 3) Numerous farmers farm intensively with sheep on irrigated pastures. If pastures are infected with coccidia it becomes difficult to raise lambs. If a lamb develops a diarrhoea due to coccidiosis its growth potential is affected for the rest of its life. Good observation and immediate action is needed to curb this disease.

Standerton: dr. Kobie Kroon

Coccidiosis (O 3) Due to the increase in intensive sheep farming outbreaks of coccidiosis are on the increase.

Volksrust: dr. Andre Visser

Coccidiosis (O 1)

Free State

Villiers: drs. Hattingh and Hauptfleisch

Coccidiosis (O,C 2)

KwaZulu-Natal

Dundee: dr. Tony Grace

Coccidiosis (B,O,C 3)

Mtubatuba: dr. Trever Viljoen

Coccidiosis (O,C 2)

Pietermaritzburg: dr. Phillip Kretzmann

Coccidiosis (O,C 2)

Eastern Cape

Jeffreys Bay: Lategan, Hoek and McFarlane

Coccidiosis (B 3)

Alexandria: dr. Johan Olivier

Coccidiosis (B 1) Group of calves in one camp losing weight with a diarrhoea. After treatment calves recovered.

Other Protozoal diseases

KwaZulu-Natal

Underberg: drs. Collins, King and Delaney

Cryptosporidiosis occurring due to intense calf rearing systems with surge in dairy calvings.

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					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	
Species affected					B,O 2			O	

Free State

Bethlehem - drs. Basson, Strydom and Strydom

Urea poisoning (B,O 2)

Hoopstad: dr. Kobus Pretorius

Urea poisoning (B 1)

Zastron: dr. P. P Brandt

Urea poisoning (B 2)

Western Cape

George: drs. Strydom, Truter and Pettifer

Urea poisoning (O 3)

Tulip poisoning

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free Sate	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	2				3			3	
Species affected	B				B			O,C	

Mpumalanga

Standerton: dr. Kobie Kroon

Tulip poisoning (B 2)

Free State

Bethlehem - drs. Basson, Strydom and Strydom

Tulip poisoning (B 3) Due to poor grazing and dry conditions cattle eat green tulips

Villiers: drs. Hattingh and Hauptfleisch

Tulip poisoning (B 2)

Western Cape

Beaufort-West: Drs. Pienaar and Grobler

Tulip poisoning (O,C 3)

Lantana poisoning

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

Gauteng

Onderstepoort: drs. Harmse et al.

Numerous animals bought, contracted *Lantana* poisoning when brought onto the farm.

Gifblaar poisoning

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

Prussic acid poisoning

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

Acidosis

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								C	

Western Cape

Beaufort-West: Drs. Pienaar and Grobler

Acidosis (C 2)

Other poisonings

Mpumalanga

Lydenburg: dr. Gustav Trümpelmann

Gousiekte (O 3) 11 sheep died out of a flock of 70

KwaZulu-Natal

Pietermaritzburg: dr. Phillip Kretzmann

Senecio toxicity (B 2) in Jerseys on two farms which was confirmed by Vetdiagnostix

Western Cape

Beaufort-West: drs. Pienaar and Grobler

Many farms experiencing problems with animals eating plants containing cardiac glycosides Two forms of poisoning seen i.e. acute deaths and krimpsiekte.

Darling: dr. Jannie van der Merwe

Rye grass toxicity (B 2)

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

Abortions

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

Mpumalanga**Piet Retief: drs. Niebuhr and Weber**

Abortions (B 2)

Standerton: dr. Kobie Kroon

Abortions (B,O 2)

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

Abortions (B 3) more prevalent than usual, drought plays a role.

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

Abortions (B 3)

Frankfort: dr. Dries Lessing

Abortions seen but laboratory tests negative

Bethlehem: dr. Basson, Strydom and Strydom

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

Hoopstad: dr. Kobus Pretorius

Abortions (B,O 3)

Villiers: drs. Hattingh and Hauptfleisch

Abortions (B 2)

Zastron: dr. P P Brandt

Abortions (B,O 2) Abortions in young ewes in Smithfield and Zastron areas. Still under investigation.

KwaZulu-Natal**Dundee: dr. Tony Grace**

Abortions (B 1)

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

Abortions (B 2)

Mtubatuba: dr. Trever Viljoen

Abortions (B 2)

Underberg: drs. Collins, King and Delaney

Abortions (B 3)

Western Cape

George: drs. Strydom, Truter and Pettifer

Abortions (B 3)

Northern Cape

Upington: dr. Ian Vorster

Abortions (C 3) Late in gestation due to vitamin A deficiency, dry conditions.

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			
Level of 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	B			

Free State

Bethlehem - drs. Basson, Strydom and Strydom

Poor conception (B 3)

Hoopstad: dr. Kobus Pretorius

Poor conception (B,O 3)

Villiers: drs. Hattingh and Hauptfleisch

Poor conception (B,O 2)

KwaZulu-Natal

Underberg: drs. Collins, King and Delaney

Poor conception (B 3) Repeat breeding dairy cows – previously confirmed pregnant. Suspicion that late embryonic mortalities occurred due to late winter super-cold spells

Fertility tests in bulls

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

Free State

Frankfort: dr. Dries Lessing

Few bulls tested for fertility were infertile

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		2	6	5	1	2	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance	3	2		3	3	2	3	2	3
Species affected	B	B,O		B	B	B	B	B,C	B

Mpumalanga

Lydenburg: dr. Gustav Trümpelmann

Dystocia (B 3) Early rain stimulated grass growth and as a result heifers had large calves with a lot of posterior presentations.

Standerton: dr. Kobie Kroon

Dystocia (B 3)

Volksrust: dr. Andre Visser

Dystocia (B 2)

Gauteng

Onderstepoort: drs. Harmse et al.

Dystocia (B,O 2)

North West

Christiana: dr. Pieter Nel

Dystocia (B 3) The highest incidence of dystocias in 20 years. Very dry in Christiana. Calves very large. Could be due to the use of production licks.

Ventersdorp: dr. Olaf Marais

Dystocia (B 3) due to too small pelvises

Free State

Bethlehem - drs. Basson, Strydom and Strydom

Dystocia (B 3)

Clocolan: dr. Liezel Wasserman

Dystocia (B 2)

Harrismith: drs. Scheepers, Thirion and Nel

Dystocia (B 3). Many cases in heifers due to heavy calves (over 50 kg) with small pelvises. Caesarean sections had to be performed.

Hoopstad: dr. Kobus Pretorius

Dystocia (B 3)

Parys: dr. Johan Wessels

Dystocia (B 2)

Villiers: drs. Hattingh and Hauptfleisch

Dystocia (B 3)

KwaZulu-Natal

Dundee: dr. Tony Grace

Dystocia (B 1)

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

Dystocia (B 3)

Howick: drs. Carr and Sparks

Dystocia (B 1)

Mtubatuba: dr. Trever Viljoen

Dystocia (B,C 2)

Underberg: drs. Collins, King and Delaney

Dystocia (B 3)

Eastern Cape

Alexandria: dr. Johan Olivier

Dystocia (B 3) Large fetuses due to excellent grazing conditions in the last trimester.

Western Cape

George: drs. Strydom, Truter and Pettifer

Dystocia (B 2) especially in over fat heifers.

Swellendam: dr. Norman Pearson

Dystocia (B 2) Continued evidence of failure to identify dystocias in the larger herds. This is bordering on animal cruelty and by the time I see these cases the calf is emphysematous and the most economic solution is to cull the animal.

The question of where the problem lies is not an easy one. The farmer is prepared to raise the animal to point of calving and then through lack of human resources, training (poor stockmanship) allows that significant asset (the cow) to deteriorate to the extent that it must be culled.

Applying heroic obstetric gymnastics invariably postpones the inevitable culling of the animal either through affecting the fertility in the ensuing lactation, loss of production due to poor recovery from the dystocia complications or loss of marketable meat products in the immediate post dystocia period when the culling is the only option after the recovery becomes complicated by infection and metabolic problems.

Early selection of heifers through pelvic measurements would help with the first calf dystocias. Cross breeding has also shown to highlight this aspect as many of the F1 heifers have unpredictable ages when they are suitable for mating.

Proper periparturient monitoring of the close up cows is essential. There must be proper facilities and lighting for the calvings that happen during the long dark winter nights.

Personnel must be trained and *continuously trained* to cope with these events. The time to call the vet is not only at milking time when management seems to be more focussed on these problems.

Nutrition of the cows starting way back in the previous lactation and in raising the heifer needs more attention to detail. Weighing in combination with measuring the height at the withers must be done more frequently. Comparison with known growth curves would give a good guide as to whether the young heifer is growing optimally. Interpretations must be made for crossbred animals and these may still be a better solution than not measuring at all.

Wellington – dr. William van Zyl

Dystocia (B,C 2)

Northern Cape

Upington: dr. Ian Vorster

Dystocia (B 3) Heifers bred to early, poor observation

Metritis (Infection of the uterus)

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

Mpumalanga

Standerton: dr. Kobie Kroon

Metritis (B 2)

Volkstrust: dr. Andre Visser

Metritis (B 1)

Free State

Bethlehem - drs. Basson, Strydom and Strydom

Metritis (B 3)

Hoopstad: dr. Kobus Pretorius

Metritis (B 1)

KwaZulu-Natal

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

Metritis (B 3)

Mtubatuba: dr. Trever Viljoen

Metritis (B 2)

Underberg: drs. Collins, King and Delaney

Metritis (B 3)

Western Cape

Darling: dr. Jannie van der Merwe

Metritis (B 3)

George: drs. Strydom, Truter and Pettifer

Metritis (B 3)

Wellington – dr. William van Zyl

Metritis (B 1)

Retained placenta

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

Mpumalanga

Standerton: dr. Kobie Kroon

Retained placenta (B 2)

Volkstrust: dr. Andre Visser

Retained placenta (B 1)

Free State

Bethlehem - drs. Basson, Strydom and Strydom

Retained placenta (B 1)

Viljoenskroon: dr. Johan Kahtz

Hoopstad: dr. Kobus Pretorius

Retained placenta (B 2)

Villiers: drs. Hattingh and Hauptfleisch

Retained placenta (B 1)

KwaZulu-Natal

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

Retained placenta (B 2)

Mtubatuba: dr. Trever Viljoen

Retained placenta (B 2)

Underberg: drs. Collins, King and Delaney

Retained placenta (B 3)

Western Cape

Swellendam: dr. Norman Pearson

Retained afterbirths (B 2)

Wellington – dr. William van Zyl

Retained placenta (B 1)

Prolapses

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

Free State

Villiers: drs. Hattingh and Hauptfleisch

Prolaps (B 1)

Navel infections

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	1			
Species affected					B	B			

Free State

Clocolan: dr. Liezel Wasserman

Naval infections (B 1)

KwaZulu-Natal

Howick: drs. Carr and Sparks

Navel ill (B 1)

Mtubatuba: dr. Trever Viljoen

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

Gauteng

Onderstepoort: drs. Harmse et al.

Arthritis (B 2) Two referred bulls with arthritis

Free State

Parys: dr. Johan Wessels

Arthritis (B 1)

KwaZulu-Natal

Pietermaritzburg: dr. Phillip Kretzmann

Joint-ill (B 2)

Mastitis

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

Free State

Bethlehem - drs. Basson, Strydom and Strydom

Mastitis (B 3)

Hoopstad: dr. Kobus Pretorius

Mastitis (B 1)

Villiers: drs. Hattingh and Hauptfleisch

Mastitis (B 1)

KwaZulu-Natal

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

Mastitis (B 3)

Howick: drs. Carr and Sparks

Mastitis (B 2) environmental mastitis

Mtubatuba: dr. Trever Viljoen

Mastitis (B 2)

Western Cape

George: drs. Strydom, Truter and Pettifer

Mastitis (B 3)

Swellendam: dr. Norman Pearson

Mastitis (B 3)

Wellington – dr. William van Zyl

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

Free State

Bethlehem - drs. Basson, Strydom and Strydom

Lameness (B 1)

Hoopstad: dr. Kobus Pretorius

Lameness (B,O 2)

Villiers: drs. Hattingh and Hauptfleisch

Lameness (B,O 1)

KwaZulu-Natal

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

Lameness (B 3)

Howick: drs. Carr and Sparks

Lameness (B 3) due to foot rot, white line, sole abscesses and bruising.

Mtubatuba: dr. Trever Viljoen

Lameness (O,C 2)

Pietermaritzburg: dr. Phillip Kretzmann

Lameness (B,O,C 3) due to early rains

Eastern Cape**Jeffreys Bay: Lategan, Hoek and McFarlane**

Lameness (B 3) Prolonged wet weather continues to affect large numbers of cattle's hooves causing huge production losses.

Alexandria: dr. Johan Olivier

Lameness (B 2)

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

Lameness/foot rot (O 1)

Wellington – dr. William van Zyl

Lameness (O 3) Interdigital dermatitis is a very big problem in the Boland and Swartland in sheep due to the long wet winter. Conditions have improved after the soil dried out. Predisposing factors are now ticks, Volstruisdoring and stones causing damage to feet of sheep.

Bloat

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

Diarrhoea

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

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

Diarrhoea (B 2)

Piet Retief: drs. Niebuhr and WeberDiarrhoea (B 3) Severe diarrhoea cases in beef calves on veld caused by *Salmonella* Dublin.**Gauteng****Onderstepoort: drs. Harmse et al.**Diarrhoea (B,O 2) Calves with suspected *E. coli* infection due to poor colostrum quality.**FreeState****Bethlehem - drs. Basson, Strydom and Strydom**

Diarrhoea (B 1)

Harrismith: drs. Scheepers, Thirion and Nel

Wide spread diarrhoea in 1-3 months old calves seen in the area. Grass turning green and cows have more milk. Damage caused to mucosa by viruses with secondary bacterial infection.

KwaZulu-Natal

Bergville: dr. Ariena Shepherd

Diarrhoea in calves (B 3) due to rota and corona virus infection

Dundee: dr. Tony Grace

Calf diarrhoeas (B 3): *E.coli* isolated –suspect that heavy spring rains have washed a lot of the bacteria away. Coccidiosis seems to be taking over in small and large animals

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

Diarrhoea in calves (B 3)

Mtubatuba: dr. Trever Viljoen

Diarrhoea (B 2)

Western Cape

George: drs. Strydom, Truter and Pettifer

Diarrhoea (B 3) Typical spring problem in our area.

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

Mpumalanga

Middelburg: drs. Fourie and Barkhuizen

Ophthalmia (B 2)

Volkstrust: dr. Andre Visser

Ophthalmia (B,O 2)

Free State

Bethlehem - drs. Basson, Strydom and Strydom

Ophthalmia (B,O,C 3)

Clocolan: dr. Liezel Wasserman

Ophthalmia (B,O 3)

Hoopstad: dr. Kobus Pretorius

Ophthalmia (B,O,C 3)

KwaZulu-Natal

Dundee: dr. Tony Grace

Ophthalmia (B,O,C 3): Flies are exacerbating this condition, but ophthalmias respond very well to treatment, fly control and *Moraxella* vaccine .

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

Ophthalmia (B 3)

Mtubatuba: dr. Trever Viljoen

Ophthalmia (B,C 2)

Eastern Cape

Jeffreys Bay: Lategan, Hoek and McFarlane

Ophthalmia (B 3)

Western Cape

George: drs. Strydom, Truter and Pettifer

Ophthalmia (B 3) Trying to convince farmers to vaccinate their animals against *Moraxella*.

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

Free State

Hoopstad: dr. Kobus Pretorius

Abscesses (O 2)

KwaZulu-Natal

Mtubatuba: dr. Trever Viljoen

Abscesses (B,C 2)

Underberg: drs. Collins, King and Delaney

Abscesses (B 2)

Western Cape

George: drs. Strydom, Truter and Pettifer

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

Free State

Bethlehem - drs. Basson, Strydom and Strydom

Pneumonia (B 3) Big day and night temperature fluctuations

Harrismith: drs. Scheepers, Thirion and Nel

Pneumonia (B 3) Calves died of pasteurellosis which was precipitated by cold wet weather

Hoopstad: dr. Kobus Pretorius

Pneumonie (B,O,C 3)

Villiers: drs. Hattingh and Hauptfleisch

Pneumonia (B 1)

KwaZulu-Natal

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

Pneumonia (B 3)

Mtubatuba: dr. Trever Viljoen

Pneumonia (B 2)

Western Cape

George: drs. Strydom, Truter and Pettifer

Pneumonia (B,O 2)

Wellington – dr. William van Zyl

Pneumonia (B 1)

Northern Cape

Calvinia: dr. Dirk van der Merwe

Pasteurellosis (O 3) Disease still prevalent

Upington: dr. Ian Vorster

Pasteurellosis (O,C 3)

Mismothering

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							
Level of 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,C							

Gauteng

Onderstepoort: drs. Harmse et al.

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

Gauteng

Onderstepoort: drs. Harmse et al.

Energy deficiency (B,O,C 2)

Western Cape

Swellendam: dr. Norman Pearson

Energy deficiency (B 2)

Phosphate

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

Calcium

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

Free State

Parys: dr. Johan Wessels

Beef cows, late in pregnancy and in good condition are unable to rise. Calcium levels are marginally low (laboratory results).

Lesson: Grazing low in calcium probably due to mineral interactions, leeching or insufficient supplementation. Water and grass analysis are recommended. Cows reacted well to calcium borogluconate treatment.

Other Macro feed conditions

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

KwaZulu-Natal

Howick: drs. Carr and Sparks

Copper excess (B 1)

Eastern Cape

Jeffreys Bay: Lategan, Hoek and McFarlane

Copper toxicity (O 2)

Western Cape

Swellendam: dr. Norman Pearson

Copper deficiency (O 2)

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

Mpumalanga

Standerton: dr. Kobie Kroon

Selenium (B 3)

North West

Christiana: dr. Pieter Nel

Vitamin E and selenium deficiency (O 3) Lambs, 2 to 3 months highly susceptible. If lambs are unable to rise, treatment usually does not help.

Free State

Parys: dr. Johan Wessels

Selenium (B 2)

KwaZulu-Natal

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

Selenium deficiency (B 2)

Eastern Cape

Jeffreys Bay: Lategan, Hoek and McFarlane

Selenium deficiency (O 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	
Level of 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			O	

Free State

Hoopstad: Kobus Pretorius

Vitamin A (B,O 3)

Western Cape

Swellendam: dr. Norman Pearson

Vitamin A deficiency (O 2)

Vitamin B 1 deficiency

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		

Eastern Cape

Jeffreys Bay: Lategan, Hoek and McFarlane

Thiamine deficiency (B 3)

Metabolic diseases

Acidosis

Domsiekte

Ketosis

Milk fever

Magnesium staggers

Other conditions

Malformation

Zastron: dr. P.P. Brandt

Malformed lambs, legs, some died and some survived after nursing them. Samples sent to Allerton for diagnosis.

Left displaced abomasum (LDA)

KwaZulu-Natal

Howick: drs. Carr and Sparks

LDA's (B 2)

Body condition scores

Eastern Cape

Alexandria: dr. Johan Olivier

Protein levels of pastures very high and as a result higher milk production levels were achieved but cows lost condition.

Management

Western Cape

Swellendam: dr. Norman Pearson

Inadequate facilities

The growth of most herds is usually by natural multiplication of numbers. The facilities invariably do not keep up with this expansion which leads to welfare issues in the form of walkways, loafing areas, pasture trampling, calving areas and facilities, calf rearing and many other places on the farm.

If one asks the farmer if he were to start a new enterprise with e.g. 1200 cows in milk, if he / she would have built the facilities differently? They all answer "Yes".

Is it possibly the domain of the veterinarian to diagnose inadequate facilities and to prescribe improvements before the SPCA gets involved?

Each area and operation is different, the season also plays a role, but within these and many other restraints, the chief amongst which is the price of the milk, one should be able to have a set of guidelines for GMP (Good Manufacturing Practice) that could be followed to ensure animal welfare and promote a better product in the end?

Calf rearing facilities are a huge bone of contention with the Welfare Organisations. It would be helpful if the Onderstepoort University could produce and publicise some practical SA recommendations in this regard. This aspect is not the domain of the agricultural engineer as the veterinary profession is in a far better position to assess the needs of the animal. The engineers can tidy the design up using the veterinary guidelines.

Drainage of loafing areas and provision of adequate shade is another area of concern. It is unacceptable for animals to endure sudden weather changes and not be able to seek shelter because they are fenced in and cannot escape.

In these few aspects of concern, it is important from an animal health point of view to improve the conditions on the larger farms, conditions which can become very similar to human slum conditions seen around our cities. As veterinarians we are responsible for pointing out elements that threaten food safety and animal welfare in addition to overseeing the productivity and efficiency of the reproductive side of these herds.

Lightning

Piet Retief: drs. Niebuhr and Weber

Cattle were struck by lightning (B 2)

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Game

Western Cape

Darling: dr. Jannie van der Merwe

Abscesses in buffalo

Northern Cape

Upington: dr. Ian Vorster

Sable and Roan antelope have problems with **outgrown hooves** on the sandy Kalahari terrain. Suggest to have rough concrete areas round water holes to alleviate the problem.

Vitamin B1 deficiency in sable and roan calves about 2 years old. These animals are fed intensively with concentrates and they have atrophied rumens. Animals darted and treated with vitamin B 1.

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Horses

Western Cape

Beaufort-West: Drs. Pienaar and Grobler

Retained placenta (E 1)

Arthritis (E 1)

Northern Cape

Calvinia: dr. Dirk van der Merwe

Herpes (E 2) Hores with fever and nasal discharge

Dogs

Pigs

Poultry

Western Cape

Beaufort-West: Drs. Pienaar and Grobler

Intestinal roundworms

Ostriches

Western Cape

Beaufort-West: Drs. Pienaar and Grobler

H5 and H7 low pathogenic bird flu: Ostriches that are affected seldom show any clinical signs. The antigens may for some time be picked up on tracheal swabs after which the virus moves through the bird and is then only sero-positive.

Feedlot report

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

Sheep feedlot report

Few sheep died shortly after arrival with congenital defects. The sheep had smaller lungs.

Losses due to clostridial diseases.

Deaths due to pulpy kidney and adaptation problems the main reason for deaths in new arrivals at the feed lot.

Abattoir samples of pneumonias seen at abattoirs mostly due to *Pasteurella multocida*.

Cattle feed lot report

Losses due to botulism occurred in three areas. One area had veld fires and skeletons are lying in the veld as the source for botulism.

Dust and fluctuating temperatures predisposed to pleuritis.

Lumpy skin disease was seen in two feed lots even before the vectors increased in numbers.

Snotsiekte was seen where cattle had contact with blue wildebeest.

Abortions occurred in a stud herd and a calf was born blind. Suspect BVD. Samples sent to a laboratory for diagnosis.

Laboratory reports

Pathcare –Cape Town – Jeanette Wentzel (18 September- 11 October 2012)

Disease	Animal specie	District	Comments
Pulpy kidney	Boer goat	Bloemfontein	
CCN	Boer goat	Boland	
Bacterial peritonitis	Boer goat	Kimberley	
Oxalate toxicity	Sheep	Bloemfontein	
Internal parasites	Sheep	Namibia	
Abortions (many)	Sheep	West coast Stanford	Necrotic placentitis. 1 case confirmed as <i>Listeria</i>
Mastitis (<i>Pasteurella</i>)	Cattle	Eastern Cape	
Septicemia	Cattle	Kimberley	
Botulism	Cattle	Namibia	
Enterotoxemia	Cattle	Namibia Kimberley	
BVD	Cattle	Namibia	
Septicemia	Cattle	Port-Elizabeth	
Internal parasites	Cattle	Eastern Cape	
Necrotic bacterial enteritis	Cattle	Parys	Severe, 2 days old
<i>Campylobacter</i>	Cattle		Confirmed with PCR
<i>Trichomonas</i>	Cattle		Confirmed with PCR
Necrotic enteritis	Pigs	Eastern Cape	<i>E. coli</i>

Squamous cell carcinoma	Horses	Eastern Cape	
Sarcoid	Horses	East London	
Abortion	Horses	Boland	Necrotic placenta
Herpes virus abortion	Horses	Boland	
Maduromycosis	Horses	East London	
Internal parasites	Horses	Boland	(foals)
Internal parasites	Alpacas	Villiersdorp	
Lungworm	Hartebeest	Villiersdorp	
Toxoplasmosis	Meercat	Plettenbergbay	
Bacterial	Lamb	Boland	<i>Listeria</i>
Bacterial	Goat	Boland	<i>Clostridium perfringens</i> type C

Dr. Liza du Plessis IDEXX South Africa laboratory, Onderstepoort

Disease	Specie	Comments
Tuberculosis	B,C 2	
<i>E.coli</i>	B 2	
Snotsiekte	B 1	
Tulip	B,O 2	
Abortions	B,O,C 3	Non infective, brucellosis, chlamydiosis
Metritis	B,O	
Pneumonia	B,O 2	
Diarrhoea	B 2	Calves, <i>E.coli</i>
Protein deficiency	B,C 2	