

# Month report on livestock disease trends as informally reported by veterinarians in South Africa May 2012

## Introduction

Although it is getting colder tick transmitted diseases are still rife. Farmers are putting their animals in harvested maize and soya fields and acidosis and alkalosis cases had been reported. We have a big role to play to educate the farmers how to adapt their animals before allowing them to graze permanently on these fields. Veterinarians have a big role to play in the fight against zoonotic diseases and in this month's report brucellosis and rabies feature again. We still need more of our colleagues to report as this is the only way to show the government and farmers that we are major role players in combating disease as well as in food security.

## Level of Reporting

The following colleagues submitted reports for May 2012:

### **Mpumalanga**

Dr. Neil Fourie and Johan Barkhuizen - Middelburg  
Drs. Dieter Weberand Wolfgang Niebuhr – Piet Retief  
Dr. Louis van Jaarsveld – Balfour

### **Gauteng**

Dr. Clare Speedy - Kromdraai

### **Freestate**

Dr. Kobus Pretorius - Hoopstad  
Dr. Piet van Zyl – Heilbron  
Drs. Hasselt, De Vos and Blaauw – Ladybrand  
Drs. Johan Wessels and Johan Venter - Parys  
Dr. Johan Kahtz – Viljoenskroon  
Dr. Eddie Albertyn – Winburg

### **KwaZulu-Natal**

Drs. Collins, King and Delaney – Underberg  
Dr. Hartley and Fowler – Mooiriver  
Drs. Turner, Tedder, Taylor and Tratschler – Estcourt, Ladysmith

### **Eastern Cape**

Dr. Roland Larson – Graaff-Reinet  
Dr. A.E. Snyman – Middelburg  
Dr. Louis Hoek – Kareedouw  
Dr. Francois van Niekerk – Humansdorp

### **Western Cape**

Dr. Muller Strydom – George  
Dr. Jannie vd Merwe – Darling

Dr. Ian Herbst – Caledon  
Dr. Cilliers Louw – Boland

Dr. Izak Rust - Vredenburg

**Northern Cape**

Dr. Coreen Visser – Upington  
Dr. Jan Vorster – Kathu

**Sheep consultant** – dr. Dave Midgley

**Feedlot report**

Dr. Eben du Preez

## **General disease trends and discussion as informally reported by veterinarians during May 2012**

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## **Internal parasites**

## Roundworms

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

### Mpumalanga

**Middelburg: dr. Neil Fourie**

Intestinal roundworms (2 O)

### Gauteng

**Bronkhorstspuit: dr. Dave Midgley**

Wireworm in Dorper sheep

### North West

**Delareyville: dr. Dave Midgley**

Wireworm in sheep

### Free State:

**Hoopstad: dr. Kobus Pretorius**

Intestinal roundworms (1 B,O)

**Heilbron: dr. Piet van Zyl**

Roundworms (2 O)

### KwaZulu-Natal:

**Mooi River: drs. Hartley and Fowler**

Intestinal roundworms (2 O)

### Eastern Cape

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

Intestinal roundworms (2 O,C) Infestations occurred in pregnant ewes and lambs.

**Middelburg: dr. A.E. Snyman**

Intestinal roundworms (2 O)

### Western Cape

**George – dr. Muller Strydom**

Roundworms a big problem in sheep (3 O)

### Northern Cape

**Upington: dr. Coreen Visser**

In spite of dosing sheep against wireworm severe cases still occur.

## Resistant roundworms

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

### Free State

**Hoopstad: dr. Kobus Pretorius**

Drug resistant wireworm strains (1 O).

**Heilbron: dr. Piet van Zyl**

Resistant roundworms (1 O)

### Western Cape

**George – dr. Muller Strydom**

Resistant roundworms a big problem in sheep (3 O) The new actives monepantel and derquantel have given us tools to combat anthelmintic resistance.

### Northern Cape

**Upington: dr. Coreen Visser**

In spite of dosing sheep against wireworm severe cases still occur.

## 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		
Level of 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,O				O		O,C		

### Mpumalanga

**Middelburg: dr. Neil Fourie**

Tapeworms (2 B,O)

### Free State

**Hoopstad: dr. Kobus Pretorius**

Tape worms (1 O) x

## Liver fluke

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	O						B	B	

### Mpumalanga

**Middelburg: dr. Neil Fourie**

Liver fluke (1 O)

## Eastern Cape

### Kareedouw: dr. Louis Hoek

Liver fluke infestation: In an 800 dairy cow herd the milk production fell by 20% and 5% showed photosensitivity. The diagnosis made was a liver fluke infestation and that the photosensitivity was due to blockage of the bile ducts.

## Western Cape

### George – dr. Muller Strydom

Liver fluke in cattle (2 B) Infection is rife due to farmers not treating their animals.

## Conical fluke (Paramphistomosis)

Province	Mpumalanga	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				

## Freestate

Hoopstad: dr. Kobus Pretorius reported a case of paramphistomiasis (1 0)

Parys: drs. Johan Wessels and Johan Venter

Conical fluke (2 B)

## Parafilaria

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						2			
Species affected						B,O			

# External parasites

## Blue Ticks

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

## Mpumalanga

Piet Retief: drs. Dieter Weber and Wolfgang Niebuhr

Blue ticks (2B)

## Free State

Parys: drs. Johan Wessels and Johan Venter

Blue ticks (3 B)

**Heilbron: dr. Piet van Zyl**

Blue ticks (2 B)

**Hoopstad: dr. Kobus Pretorius**

Blue ticks(2 B)

### KwaZulu-Natal

**Estcourt, Ladysmith: drs. Turner, Tedder, Taylor & Tratschler**

Blue ticks (2 B)

**Mooi River: drs. Hartley and Fowler**

Blue ticks (3 B)

### Western Cape

**George – dr. Muller Strydom**

Blue ticks (3 B)

**Hoopstad: dr. Kobus Pretorius**

Blue ticks(2 B) x

**Heilbron: dr. Piet van Zyl**

Blue ticks (2 B) x

### Resistant 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					1				
Species affected					B				

### Free State

**Heilbron: dr. Piet vanZyl**

Blue ticks (1 B)

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

### Free State

**Hoopstad: dr. Kobus Pretorius**

*Hyalomma* spp. (2 B,O)

### 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					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	B								
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## Mpumalanga

**Piet Retief: drs. Dieter Weber and Wolfgang Niebuhr**

Brown ear ticks (1 B)

## Biting 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							2	1	
Species affected							C	O	

## Eastern Cape

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

Biting lice present on goats (2 C)

## Western Cape

**Swellendam: dr. Dave Midgley**

Red lice-reinfection after treatment with IGR pour on ectoparasiticide.

## 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	
Level of 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

**Darling: dr. Jannie vd Merwe**

Sucking lice (2B)

## Screw worm

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									

## Mites

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

**Hoopstad: dr. Kobus Pretorius**  
Mites (2 B)

### 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				
Level of 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**  
Nuisance flies (2 B)

### 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				
Level of 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

**Hoopstad: dr. Kobus Pretorius**  
Blow flies (2 0)  
KwaZulu-Natal

### Midges

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									

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

### Mpumalanga

**Middelburg: dr. Neil Fourie**  
African red water (2 B)

## Free State

### Heilbron: dr. Piet vanZyl

African red water (1 B)

### Parys: drs. Johan Wessels and Johan Venter

Asiatic Red water (2 B) Asiatic as well as African red water occurred due to the May surge of the blue tick population

### Hoopstad: dr. Kobus Pretorius

African red water (2 B)

## KwaZulu-Natal

### Bergville- dr. Ariena Shepherd

Tick transmitted diseases such as red water and anaplasmosis still occur in the area but with the cold the diseases are fewer in number.

### Estcourt, Ladysmith: drs. Turner, Tedder, Taylor & Tratschler

African red water (2 B)

## Western Cape

### George – dr. Muller Strydom

African red water (3 B) Disease still occur but with the cold the incidence is decreasing

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

## Mpumalanga

### Piet Retief: drs. Dieter Weber and Wolfgang Niebuhr

Asiatic red water (3 B): Farmers had to block their cattle against Asiatic red water on several farms so as to control this disease. This disease is a big problem as it is not endemic to the region. When the blue tick *Rhipicephalus microplus* transmits the disease, cattle do not have sufficient immunity against the disease.

### Middelburg: dr. Neil Fourie

Asiatic red water (2 B)

### Balfour: dr. Louis van Jaarsveld

**Red water:** Asiatic red water is present due to the high prevalence of blue ticks.

**Lesson to learn:** Farmers should vaccinate their cattle against African and Asiatic red water. If calves are vaccinated before the age of 8 months, the presence of these diseases will drop dramatically.

## Free State

### Viljoenskroon; dr. Johan Kahts

Asiatic Red Water (3 B)

### Parys: drs. Johan Wessels and Johan Venter

Asiatic Red water (2 B) Asiatic as well as African red water occurred due to the May surge of the blue tick population.

## KwaZulu-Natal

**Estcourt, Ladysmith: drs. Turner, Tedder, Taylor & Tratschler**

Asiatic red water (2 B)

**Mooi River: drs. Hartley and Fowler**

Asiatic red water (3 B)

**Bergville- dr. Ariena Shepherd**

Tick transmitted diseases such as red water and anaplasmosis still occur in the area but with the cold the diseases are fewer in number.

## Western Cape

**George – dr. Muller Strydom**

Asiatic red water (3 B) Disease still occur but with the cold the incidence is decreasing

## Anaplasmosis

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

## Mpumalanga

**Piet Retief: drs. Dieter Weber and Wolfgang Niebuhr**

Anaplasmosis (1 B)

## Free State

**Parys: drs. Johan Wessels and Johan Venter**

Anaplasmosis (2 B)

**Hoopstad: dr. Kobus Pretorius**

Anaplasmosis (3 B)

**Heilbron: dr. Piet van Zyl**

Anaplasmosis (2 B)

## KwaZulu-Natal

**Bergville- dr. Ariena Shepherd**

Tick transmitted diseases such as red water and anaplasmosis still occur in the area but with the cold the diseases are fewer in number.

## Western Cape

**Darling: dr. Jannie vd Merwe**

Anaplasmosis (2 B)

**George – dr. Muller Strydom**

Anaplasmosis (2 B)

**Boland: dr. Cilliers Louw**

Anaplasmosis in voerkraal (3 B)

**Vredenburg: dr. Izak Rust**

Anaplasmosis outbreaks after the first rains

## Heart water

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

### Free State

**Hoopstad: dr. Kobus Pretorius**

Sweating sickness (2 B)

## 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					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: dr. Kobus Pretorius**

Lumpy skin disease (1 B)

### KwaZulu-Natal

**Mooi River: drs. Hartley and Fowler**

Lumpy skin disease (2 B)

## Bovine ephemeral fever (Three day stiff sickness)

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

### Mpumalanga

**Piet Retief: drs. Dieter Weber and Wolfgang Niebuhr**

Three day stiff sickness (1 B)

**Middelburg: drs Neil Fourie and Johan Barkhuizen**

Three day stiff sickness (2 B) Numerous veterinarians have reported that this disease is more pathogenic in comparison to other years. Some animals do not get up.

Lesson to learn: In future we are going to vaccinate at least the bulls. We do not know whether a new strain of the disease is present.

### Free State

**Hoopstad: dr. Kobus Pretorius**

Three day stiff sickness (1 B)

### Northern Cape

**Kathu: dr. Jan Vorster**

Three day stiff sickness (1 B)

## Blue tongue

Province	Mpumalanga	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									1
Species affected									C

### Northern Cape

**Kathu: dr. Jan Vorster**

Blue tongue (1 C)

## Venereal diseases

### Trichomoniasis

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

### Mpumalanga

**Middelburg: dr. Neil Fourie**

Trichomonosis (2 B)

### Free State

**Viljoenskroon: dr. Johan Kahts**

Trichomonosis (3 B)

**Hoopstad: dr. Kobus Pretorius**

Trichomonosis (3 B)

**Heilbron: dr. Piet van Zyl**

Trichomonosis (1 B)

**Winburg: dr. Eddie Albertyn**

Trichomonosis (3 B)

**KwaZulu-Natal****Estcourt, Ladysmith: drs. Turner, Tedder, Taylor & Tratschler**

Trichomonosis (1B)

**Mooi River: drs. Hartley and Fowler**

Trichomonosis (1 B)

**Vibriose**

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			2	
Species affected					B			B	

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

Vibriosis (1B)

**Viljoenskroon: dr. Johan Katz**

Vibriosis (2B)

**Western Cape****Boland: dr. Cilliers Louw**

Vibriose (2 B)

**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					1				
Species affected					O				

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

Peestersiekte (1 0)

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**Bacterial diseases**

## Black leg

Province	Mpumalanga	Gauteng	Limpopo	North West	FreeState	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	1				2	2			
Species affected	B				B	B			

### Mpumalanga

**Piet Retief: drs. Dieter Weber and Wolfgang Niebuhr**

Black leg (1 B)

**Middelburg: dr. Neil Fourie**

Black leg (1 B) Black leg cases occurred but do we not know which bacteria caused the disease. Lesson to learn: The diagnosis of the cause of black leg is important. There are at least 5 bacteria which could be responsible i.e. *Clostridium chauvoei*, *C. septicum*, *C. sordelli*, *C. novyi* type A and B. At the moment we are trying to differentiate whether the deaths were caused by either *C. novyi* A or B on a specific farm. It is important to know this as we can then advise the farmer which vaccine (s) to use. Some manufacturers do not mention whether the vaccine contains *C. novyi* A or B.

### Free State

**Hoopstad: dr. Kobus Pretorius**

Black leg (2 B)

**Heilbron: dr. Piet van Zyl**

Black leg (2 B)

**Ladybrand: drs. N. Van Hasselt, A. De Vos, J. Blaauw**

Black leg (1B) Heifer died due to black leg, 25 heifers in herd.

### KwaZulu-Natal

**Estcourt, Ladysmith: drs. Turner, Tedder, Taylor & Tratschler**

Black leg (2 B)

## Swelled head

Province	Mpumalanga	Gauteng	Limpopo	North West	FreeState	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, O,				B				

### Mpumalanga

**Piet Retief: drs. Dieter Weber and Wolfgang Niebuhr**

Cases of swelled head in cattle and sheep (1 B/O)

### Free State

**Heilbron: dr. Piet van Zyl**

***Clostridium novyi* type A:** The incidence of this infection is increasing and should be included in a vaccination program if needed.

## Pulpy Kidney

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	2				3				
Species affected	0				0				

## Mpumalanga

### Balfour: dr. Louis van Jaarsveld

Pulpy kidney: Where sheep are grazing on harvested maize fields, cases of pulpy kidney are seen.

Lesson to learn: Before any change in grazing is made or before an anthelmintic treatment is given to sheep, make sure of the sheep's immune status against pulpy kidney. If not sure, rather give a booster vaccination against pulpy kidney to the sheep.

## Free State

### Hoopstad: dr. Kobus Pretorius

Pulpy kidney (3 O)

### Reitz: dr. Dave Midgley

Deaths in lambs when moved from one farm to another – pulpy kidney and pneumonia in spite of being 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					1				
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance					2				
Species affected					0				

## Free State

### Ladybrand: drs. N. van Hasselt, A. de Vos en J. Blaauw

Lamb dysentery: 5 lambs died due to *Clostridium perfringens* type B infection.

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

## Free State

### Hoopstad: dr. Kobus Pretorius

Blood gut (1 O)

### Heilbron: dr. Piet vanZyl

Blood gut (1 O)

## Kwa Zulu-Natal

### Mooi River: drs. Hartley and Fowler

Red gut (1B)

### Underberg: drs. Collins, King and Delaney

Red gut diagnosed in cattle (1 B)

## 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					2				
Species affected					O				

### Free State

**Hoopstad: dr. Kobus Pretorius**

Tetanus (2 O)

**Heilbron: dr. Piet vanZyl**

Tetanus (1 O)

## Botulism

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

**Hoopstad: dr. Kobus Pretorius**

Botulism (2 B)

## Brucellosis

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**

Brucellosis (2 B)

**Viljoenskroon: dr. Johan Kahts**

Brucellosis (3 B) There is a disturbing increase in the prevalence of CA cases in beef herds and the origin of the infection is unknown.

## *E. coli*

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

### Free State

**Hoopstad: dr. Kobus Pretorius**

*E. coli* (1 B)

Heilbron: dr. Piet vanZyl

*E. coli* (1B)

## Western Cape

Darling: dr. Jannie vd Merwe

*E. coli* (2 B)

Boland: dr. Cilliers Louw

10% of calves infected with *E. coli* in bull calf unit. (3 B)

## 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					1			1	
Species affected					B			B	

## Free State

Hoopstad: dr. Kobus Pretorius

Salmonellosis (1 B)

## Western Cape

Boland: dr. Cilliers Louw

Salmonellosis in dairy calf unit (20% of calves). 30% Mortality in calf unit. In the past 3 months the following *Salmonella* types were isolated S. Anatum, S. Infantis, S. Stradford, S. Give, S. Typhimurium. No S. Dublin was isolated. These calves originate from most of the dairies in the Boland area and they have a severe diarrhoea for 2 days and then acute deaths showing more than 15% dehydration. Less than 10% of cases have blood in their faeces, the rest have a yellowish coloured diarrhoea. Antibiograms show sensitivity to enrofloxacin and danofloxacin. Salmonellas show resistance to the rest of the antibiotics used in the antibiogram. Other dairies are also experiencing outbreaks of salmonellosis. The calf rearing unit experience it mainly due to transport stress.

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

## Free State

Tweeling: dr. Dave Midgley

Lumpy wool – lesions around mouth in lambs and on udders of ewes and “harde lammers”

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

## Gauteng

### Kromdraai: dr. Clare Speedy

BMC: An outbreak of BMC occurred in cattle on a farm where wildebees is far away. There is no history of snotsiekte occurring on this farm before.

## Free State

### Hoopstad: dr. Kobus Pretorius

Snotsiekte (3 B) Snotsiekte: Occurred on farms adjacent to game farms where black and blue wildebeest are present. In one case 6 cattle died.

### Heilbron: dr. Piet vanZyl

Snotsiekte (2 B)

### Viloenskroon: dr. Johan Kahts

Snotsiekte (1 B)

### Winburg: dr. Eddie Albertyn

Snotsiekte: A farmer lost 20 head of cattle due to snotsiekte. The outbreak occurred on a farm with many thorn trees and blue wildebeest. Wildebeest were roughly 3 km removed from the cattle

## 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			
Level of 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

### Hoopstad: dr. Kobus Pretorius

BVD (1 B)

## KwaZulu-Natal

### Estcourt, Ladysmith: drs. Turner, Tedder, Taylor & Tratschler

BVD (1 B)

## IBR

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									

## Warts & Orf

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	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		C	O	

### Free State

**Hoopstad: dr. Kobus Pretorius**

Warts (2 B)

**Heilbron: dr. Piet van Zyl**

Warts (1 B) x

**Viljoenskroon: dr. Johan Kahts**

Warts (3 B) x

### Eastern Cape

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

Orf (1 C)x

### Western Cape

**Darling: dr. Jannie vd Merwe**

Orf (1 O) x

### Rabies

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

**Estcourt, Ladysmith: drs. Turner, Tedder, Taylor & Tratschler**

Rabies (2 cases)

**Bergville: dr. Ariena Shepherd**

The rabies outbreak in the area occurring since October is still rampant. Two children been bitten by dogs have died and a farmer has recently died in hospital after having had contact with a rabid dog. Rabid dogs enter gardens and 6 cattle in the Ladysmith district have tested positive for rabies.

In areas where rabies occur we vaccinate dogs at 6 weeks of age, a month later again and a third vaccination is given before they are a year old.

### Other viral infections

#### Free State

**Heilbron: dr. Piet van Zyl**

**Agnathia:** 7 Dorper lambs were born without mandibles and tongues in a flock. No vaccinations with live vaccines were given during pregnancy. Are viruses such as Wesselsbron, Akabane, blue tongue maybe the cause?

# Fungal Diseases

## Ringworm

Province	Mpuma-langa	Gauteng	Limpopo	North West	Freestate	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			1	
Species affected					B			B	

### Free State

**Hoopstad: dr. Kobus Pretorius**

Ringworm (3 B)

**Viljoenskroon: dr. Johan Kahts**

Ringworm (3 B)

### Western Cape

**Darling: dr. Jannie vd Merwe**

Ringworm (1 B)

# 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		O	

### KwaZulu-Natal

**Mooi River: drs. Hartley and Fowler**

Coccidiosis (2 B)

### Western Cape

**Darling: dr. Jannie vd Merwe**

Coccidiosis (1 O)

# Poisoning

## Urea poisoning

Province	Mpuma-langa	Gauteng	Limpopo	North West	Freestate	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					1	1			
Species affected					B	B			

## Free State

**Hoopstad: dr. Kobus Pretorius**

Urea toxicity (1 B)

**Parys: drs. Johan Wessels and Johan Venter**

Urea poisoning (2 B). Winter licks put out too late. Lick blocks manufactured by well known company which are very safe were consumed overnight by dominant cattle and 4 pregnant cows in good condition died acutely. Farmers are advised to supply winter lick blocks already in April.

## KwaZulu-Natal

**Estcourt, Ladysmith: drs. Turner, Tedder, Taylor & Tratschler**

Urea poisoning (1B)

### Tulip poisoning

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							1		
Species affected							B		

## Eastern Cape

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

Tulip poisoning (3 B) Calves reared in pens were put to grazing where blue tulip was present and 17 out of 25 calves died acutely.

### Prussic acid poisoning

Province	Mpuma-langa	Gauteng	Limpopo	North West	Freestate	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,O		O,C		

## Free State

**Hoopstad: dr. Kobus Pretorius**

Prussic acid poisoning (1 B,O)

## Eastern Cape

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

Prussic acid poisoning (1 O)

**Middelburg: dr. A.E. Snyman**

Prussic acid poisoning (3 O,C)

## Other poisonings

### Mpumalanga

**Middelburg: dr. Neil Fourie and Johan Barkhuizen**

Gifblaar (1 B) One of our clients contacted us on 20 May to do a PM on a bull. The bull died acutely while being herded to the house. Gifblaar poisoning was diagnosed. Handful of undigested leaves of gifblaar were found in the rumen.

**Lesson to be learnt:** We know that gifblaar sprouts in spring but only few people know that there is an autumn sprout. A green patch of gifblaar was found where the cattle grazed..

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

- *Datura* spp. seeds (Olieboomsade): Cattle were poisoned due to the intake of *Datura* seeds. The seed have the same effect as an overdose of atropine. Temporary blindness occurred but they recovered after intake of seeds stopped.
- The intake of too much soya beans resulted in an alkalosis in cattle. The problem was solved by dosing the cattle with vinegar.
- Suspected poisoning due to the intake of *Argemone* spp. (bloudissel) and milkweed (melkbos) *Gomphocarpus* spp. led to severe swellings due to heart failure.

#### **Western Cape**

##### **Kareedouw: dr. Louis Hoek**

- Nitrate poisoning: Poisoning occurred on heavy fertilized pastures.
- Acute rumen alkalosis occurred in cattle grazing on lush rye grass pastures.

##### **George – dr. Muller Strydom**

Water pollution: Polluted water is pumped from a river.

##### **Heidelberg: dr. Dave Midgley**

Acidosis in sheep feedlot

#### **Free State**

##### **Ladybrand: drs. N. Van Hasselt, A. De Vos, J. Blaauw**

Diplodiosis (2 B) **Diplodiosis:** 4 cows showed neurological signs after they had been grazing in a sunflower field.

##### **Heilbron: dr. Piet van Zyl**

Soya bean overload (3 O) Bloat and acidosis occurred on soya bean fields with low yields and farmers decided not to harvest but to graze sheep on these fields. It is a recurrence of last year's problems. Solution: Harvest or buy soya beans and with a fertilizer spreader spread the beans in short grass for 9 days for sheep to consume. Add antacid powders into the water trough for the first 14 days. (We use a combination of bicarbonate of soda, magnesium oxide, calcium hydroxide at 500 gram per 200 litre trough. While not all the ingredients dissolve simultaneously, the water will supply antacid properties for the whole day.

##### **Viljoenskroon : dr. Johan Kahts**

Cestrum (Inkbessie) poisoning: This poisoning is taking on epidemic proportions in certain areas of the country. Thirteen cattle died adjacent to the Vaalriver.

## 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				4	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	3	3	1	
Species affected	O				B,O,C	B	O	B,O	

### Mpumalanga

**Piet Retief: drs. Dieter Weber and Wolfgang Niebuhr**

Abortions (2 O)

### Free State

**Hoopstad: dr. Kobus Pretorius**

Abortions (3 B, O, C)

**Viljoenskroon: dr. Johan Kahts**

Abortions (3 B)

**Ladybrand: drs. N. Van Hasselt, A. De Vos, J. Blaauw**

Abortions (1 B)

**Heilbron: dr. Piet van Zyl**

Abortion (1 B)

### KwaZulu-Natal

**Estcourt, Ladysmith: drs. Turner, Tedder, Taylor & Tratschler**

Abortions (3B)

### Eastern Cape

**Middelburg: dr. A.E. Snyman**

Abortions (3 O)

### Western Cape

**George – dr. Muller Strydom**

Abortions (1 O)

**Darling: dr. Jannie vd Merwe**

Abortions (2 B) Had first diagnosed vibriosis in the herd. Uterine discharge was cultured and was apparently positive for *Brucella*. Whole herd will be bled for brucellosis.

### Poor Conception

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	B			

### Free State

**Hoopstad: dr. Kobus Pretorius**

Poor conception (2 B,O)

## KwaZulu-Natal

**Estcourt, Ladysmith: drs. Turner, Tedder, Taylor & Tratschler**  
Poor conception (2 B)

## Dystocia

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	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	2
Species affected	B				B	B,O		B	B

## Mpumalanga

**Middelburg: dr. Neil Fourie**  
Dystocia (3 B)

## Free State

**Hoopstad: dr. Kobus Pretorius**  
Dystocias (3 B)  
**Heilbron: dr. Piet vanZyl**  
Dystocias (2 B)

## KwaZulu-Natal

**Estcourt, Ladysmith: drs. Turner, Tedder, Taylor & Tratschler**  
Dystocia (2 B,O)

## Western Cape

**Darling: dr. Jannie vd Merwe**  
Dystocias: (2 B)

## Northern Cape:

**Kathu: dr. Jan Vorster**  
Dystocia (2 B)

## Metritis

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		2	
Species affected					B	B		B	

## Free State

**Hoopstad: dr. Kobus Pretorius**  
Metritis (2 B)

## KwaZulu-Natal

**Estcourt, Ladysmith: drs. Turner, Tedder, Taylor & Tratschler**  
Metritis (3 B)

**Western Cape**

**Darling: dr. Jannie vd Merwe**

Metritis: (2 B)

Urine pH tested was less than 7. Cows had subclinical milkfever.

**Retained afterbirths**

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**

**Hoopstad: dr. Kobus Pretorius**

Retained afterbirths (3 B)

**Prolapses**

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									

**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				
Level of 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**

**Hoopstad: dr. Kobus Pretorius**

Navel infections (1 B)

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

## Free State

**Hoopstad: dr. Kobus Pretorius**

Arthritis (1 B)

## Western Cape

**Darling: dr. Jannie vd Merwe**

Arthritis (2 O)

## Mastitis

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	2,5	1		2
Species affected					B	B	B		O

## Free State

**Hoopstad: dr. Kobus Pretorius**

Mastitis (2 B)

## KwaZulu-Natal

**Estcourt, Ladysmith: drs. Turner, Tedder, Taylor & Tratschler**

Mastitis (3 B)

**Mooi River: drs. Hartley and Fowler**

Mastitis (2 B)

## Eastern Cape

**Humansdorp: dr. Francois van Niekerk**

Heifers housed in groups were fed mastitis milk and thus had an increased chance of being infected by bacteria. In trials conducted on 8 Tsitsikamma farms where calves were housed in groups and were given whole milk out of the milk tank, 35% of heifers developed mastitis just before first calving. It is therefore logical that when they are given mastitis milk, the chance of developing mastitis is much greater.

## Northern Cape

**Prieska: dr. Dave Midgley**

Blue udder cases

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

## Mpumalanga

**Middelburg: dr. Neil Fourie**

Lameness, hoof problems (2 B) Lameness, especially in expensive bulls, is a big problem.

**Lesson to learn:** An early diagnosis is important. If treatment is postponed the condition worsens. The affected hoof and leg should be examined carefully, preferably on a tip table or under general anaesthesia. The hoof is cleaned, necrotic tissue removed and then treated properly..

**Free State**

**Hoopstad: dr. Kobus Pretorius**

Lameness (2 B,O)

**Frankfort: dr. Dave Midgley**

Lame sheep – foot rot and foot abscesses in sheep

**Eastern Cape**

**Humansdorp: dr. Francois van Niekerk**

We are diagnosing hairy warts on several farms. Hairy warts cause severe pain and lameness and are highly infectious. Treatment must be instituted rapidly to avoid spreading of the disease and loss of production. Hairy warts are caused by spirochaetes [microscopic worm-like bacteria] and spreading must be controlled and avoided by good biosecurity.

To prevent the spreading on farm: oxytetracycline footbaths, disinfection of hoof trimming equipment.

To prevent the spreading between farms: disinfection of vehicles, hoof trimming equipment and footwear.

Please consult us about the disease, its treatment and control.

**Western Cape**

**Boland: dr. Cilliers Louw**

Foot rot: 15% tendency in feedlot. Occurs around 40 days after arrival. Cattle treated with Excenel and Ketofen due to short meat withdrawal period. This is a big problem during the winter months.

**Bloat**

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				

**Free State**

**Heilbron: dr. Piet van Zyl**

Bloat and acidosis occurred on soya bean fields with low yields and farmers decided not to harvest but to graze sheep on these fields. It is a recurrence of last year’s problems. Solution: Harvest or buy soya beans and with a fertilizer spreader spread the beans in short grass for 9 days for sheep to consume. Add antacid powders into the water trough for the first 14 days. (we use a combination of bicarbonate of soda, magnesium oxide, calcium hydroxide at 500 gram per 200 litre trough. While not all the ingredients dissolve simultaneously, the water will supply antacid properties for the whole day.

**Clocolan: dr Dave Midgley**

Acute deaths of 5-7 months old lambs on soya fields. Deaths due to alkalosis and overeating.

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

## Mpumalanga

### Middelburg: dr. Neil Fourie

Diarrhoea (2 B) The presence of diarrhoea in beef calves of about 2 months of age is rife.

Lesson to learn: A diagnosis of rotavirus infection was made. The use of the present available vaccines is not sufficient in combatting this disease. At present research is ongoing in trying to resolve this problem.

## Free State

### Hoopstad: dr. Kobus Pretorius

Diarrhoea (2 B,O)

### Ladybrand: drs. N. Van Hasselt, A. De Vos, J. Blaauw

Diarrhoea (1B)

## Eastern Cape

### Humansdorp: dr. Francois van Niekerk

A dairy farmer who previously had little problems with diarrhoea in his dairy calves, had an outbreak of diarrhoea in his calves. This happened shortly after a group of dairy farmers visited his calf rearing facility. He is now struggling with a chronic diarrhoea problem in his calves. The lesson to learn from this is that visitors and farm workers have to disinfect their shoes (at least the soles) before they enter the calf rearing facility.

## KwaZulu-Natal

### Estcourt, Ladysmith: drs. Turner, Tedder, Taylor & Tratschler

Diarrhoea (2C)

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

## Free State

### Parys: drs. Johan Wessels and Johan Venter

Ophthalmia (2 B)

### Hoopstad: dr. Kobus Pretorius

Ophthalmia in sheep and cattle (3 B, O)

## KwaZulu-Natal

### Estcourt, Ladysmith: drs. Turner, Tedder, Taylor & Tratschler

## Ophthalmia (2 C)

### Eastern Cape

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

Ophthalmia in sheep (2 O)

### Northern Cape

**Upington: Coreen Visser**

Ophthalmia: Due to dust and flies eye infections due to *Moraxella* spp. is a big problem.

## Abscesses

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

### Free State

**Hoopstad: dr. Kobus Pretorius**

Abscesses reported in sheep and cattle (2 B, O)

**Ladybrand: drs. Van Hasselt, De Vos and Blaauw**

Abscesses (2 O) Abscesses occurred in sheep, 6 out of a flock of 40. First time that this infection is present on this farm.

### KwaZulu-Natal

**Estcourt, Ladysmith: drs. Turner, Tedder, Taylor & Tratschler**

Abscesses (2 B,O)

### Western Cape

**George – dr. Muller Strydom**

Abscesses (1B)

**Darling: dr. Jannie vd Merwe**

Abscesses (2 B) Abscesses in joints of lambs. Lambing in pens. Umbilical cords not disinfected. Suggested to use tincture of iodine.

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

### Free State

**Hoopstad: dr. Kobus Pretorius**

Pneumonia (3 B,O,C)

**Heilbron: dr. Piet vanZyl**

Pneumonia (2B) in backgrounding calves especially due to *Pasteurella multocida*. Vaccinate calves prophylactically.

**Viljoenskroon: dr. Johan Kahts**

Pneumonia (3 B) Factors playing a role is the great difference between day and night temperatures, dust and viruses such as PI3, IBR, BVD and BRSV infections.

**Reitz: dr. Dave Midgley**

Deaths in lambs when moved from one farm to another – pulpy kidney and pneumonia in spite of being vaccinated.

**KwaZulu-Natal**

**Estcourt, Ladysmith: drs. Turner, Tedder, Taylor & Tratschler**

Pneumonia (3B)

**Mooi River: drs. Hartley and Fowler**

Pneumonia (2 B)

**Eastern Cape**

**Humansdorp: dr. Francois van Niekerk**

**CALF TEAT MANAGEMENT**

The rubber teats used for hand-rearing dairy heifers need to be of good quality. The openings need to be checked regularly for wear and tear and even deliberate enlargement by labourers who may want to hasten calf feeding. Over-large teat openings result in calves choking on milk, milk in the lungs and then pneumonia.

**Middelburg: dr. A.E. Snyman**

Pasteurellosis (1 O)

**Western Cape**

**George – dr. Muller Strydom**

Pneumonia (2 B,O)

**Darling: dr. Jannie vd Merwe**

Pneumonia (2 B)

**Boland: dr. Cilliers Louw**

20% of cattle in a feedlot with pneumonia. Reacted well on treatment with florfenicol and NSAID's.

**Northern Cape**

**Upington: dr. Coreen Visser**

Due to big differences between day and night temperatures many cases of pneumonia are seen.

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**Nutritional deficiencies**

**Macro feed deficiencies**

**Protein**

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					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	B			

### Free State

**Viljoenskroon: dr. Johan Kahts**

Protein deficiency (2 B,O)

### KwaZulu-Natal

**Mooi River: drs. Hartley and Fowler**

Protein deficiency (2 B)

## Energy

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

### Free State

**Hoopstad: dr. Kobus Pretorius**

Energy deficiency (2 B)

**Viljoenskroon: dr. Johan Kahts**

Energy deficiency (B,O)

### KwaZulu-Natal

**Estcourt, Ladysmith: drs. Turner, Tedder, Taylor & Tratschler**

Energy deficiency (2 B)

**Mooi River: drs. Hartley and Fowler**

Energy deficiency (2 B)

## 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									
Level of 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									

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

#### Parys: drs. Johan Wessels and Johan Venter

Calcium deficiency (3 B). Dairy cows recumbent during peak period as well as later in lactation. Blood calcium very low. Had water tested for minerals and heavy metals. Had silage tested and suspect high values of minerals interacting with calcium.

## 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					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					B				

### Free State

#### Parys: drs. Johan Wessels and Johan Venter

Dairy herd with very high liver copper values in cows that were culled and at post mortem. Calves as well as adult animals were affected. Liver biopsies are still outstanding but all parental copper supplementation is temporarily discontinued.

#### Heilbron: dr. Piet vanZyl

Copper poisoning (2 B) Micromineral supplementation: There had been a dramatic improvement in embryo survival and conception rates in an Ayrshire herd after the management of trace minerals in feed and parenteral supplementation had been taken over by the veterinarian. According to liver analysis the manganese and zinc levels were very low, while copper levels were very high. Excessive copper levels were removed by giving sodium thiosulphate for 30 days in the feed and molibdinum in the water. For 60 days no copper was supplemented. No injectable minerals were administered and copper levels were lowered to 8 ppm. After 12 months no liver analyses were received showing deficiencies. Zinc and manganese supplemented at higher levels in the feed have the effect that liver values are monthly increasing and values are near to normal.

### 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			
Level of 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. Dieter Weber and Wolfgang Niebuhr

Selenium deficiency (1 O)

## Kwa Zulu- Natal

**Mooi River: drs. Hartley and Fowler**

Selenium deficiency (2 B)

## Free State

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

## Free state

**Hoopstad: dr. Kobus Pretorius**

Vitamin A deficiency (3 B,O) Calving problems and retained afterbirths occurred due to poor nutrition and vitamin A deficiencies.

### Red gut in sheep

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

**Caledon – dr. Ian Herbst**

Red gut is a condition occurring when sheep are grazing for long periods on green lush pastures without roughage being available for them.

Lesson: Make provision for sufficient roughage. If red gut occurs remove the sheep from the green feed for a day or two. A proactive plan that works well is to graze animals for 5 days on the green feed and to remove them from the pasture over the weekend.

## Metabolic diseases

### Free State

**Zastron: dr. Dave Midgley**

Metabolic diseases – milk fever, domsiekte and prolapses occurred at and around lambing time. Ca:P ratio incorrect. When nutrition had been corrected the health status improved.

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## Horses/Perde

Northern Cape

Upington: dr. Coreen Visser

Horse sickness cases occurred along the Orange river

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## Feedlot report

Feedlot report: dr. Eben du Preez

Dorper sheep from the Kalahari arrived at a feedlot with fleece rot caused by *Pseudomonas* and *Staphylococcus*. Skin lesions resulted in the skins being condemned due to damage seen after skins had been tanned. Losses of R100 per sheep occurred. Wet conditions at the beginning of the season were probably responsible for the bacteriae to spread.

**Cattle:** Prevalence of respiratory diseases is on the increase. Dust conditions and a great difference between day and night temperatures this time of the year play a big role as contributing factors for viruses to cause disease.

Tick borne diseases still occur.

Drought conditions and shortage of grazing are taking their toll and is seen in the poorer type of calves arriving at feedlots.

## Horses/Perde

Northern Cape

Upington: dr. Coreen Visser

Horse sickness cases occurred along the Orange river

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