

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

Introduction

Winter months are usually quieter times for diseases. The biggest issues are nutritional problems: **protein** and **energy deficiencies**. Due to poor grazing conditions the green toxic plants such as tulips and gifblaar become a real danger.

Animals are put to grazing in vleis and numerous reports of **liver fluke** infestations were received. Farmers should be aware of this important parasite causing great economic losses. There is a blood test available to diagnose whether there are liver fluke infested animals on your farm. See dr. Rick Last's report.

The intermediate host for **conical fluke** is water snails and numerous outbreaks had been reported where animals had been grazing in vleis. The usual clinical sign is a projectile diarrhoea.

During the colder winter months tick numbers usually decline however there still were reports on the presence of **blue ticks** and outbreaks of **African** and **Asiatic redwater** as well as **anaplasmosis**. Have your animals been vaccinated?

Farmers should test the blue ticks to find out which **acaricide active goups** are still able to control the blue ticks on your farm. Your veterinarian will be able to help you to decide on the best control program.

Trichomonosis is still the disease that is reported each month in many parts of South Africa. Bulls should be tested for venereal diseases as these disease lowers the calving percentage significantly. Contact your veterinarian for advice on how to test bulls and how to go about controlling trichomonosis.

Brucellosis is a State controlled disease and according to law all heifers must be vaccinated against this disease before the age of 8 months (preferably 6 months). Use a dedicated syringe so as to prevent older animals to get into contact with the Strain 19 vaccine. Numerous outbreaks were reported.

Numerous **BMC (snotsiekte)** cases were reported and due to the increase in game farming this fatal disease is increasing. This disease is spread when wildebeest is under stress. Remember there is a virus strain spread by sheep.

Enzootic bovine leukosis (EBL) is a disease caused by a virus especially in dairy cattle and is of great concern. The virus is transmitted by blood and therefore needle transmission, biting flies and rectal examinations may be transmission routes. Discuss this disease with your veterinarian and have your animals tested for this disease.

Reports on outbreaks of many diseases that could have been controlled through **vaccination programmes** were diagnosed such as: red water, anaplasmosis, black leg, red gut and pulpy kidney. Now is the time to sit down with your veterinarian and discuss and update your vaccination and parasite control programmes.

The last word is on **biosecurity**. The word means securing life on the farm. This means buying in healthy animals, having vaccination and parasite management programmes in place.

Fences, entrances (gate control), quarantine camp and dead animal removal are regularly monitored.

Level of Reporting

The following colleagues submitted reports for August 2012:

Mpumalanga

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

Limpopo

Dr. Gavin Watson – Polokwane
Dr. Henk Visser - Makopane

Free State

Drs. Van Hasselt and Blaauw – Ladybrand
Drs. Scheepers, Thirion and Nel – Harrismith
Dr. Dries Lessing - Frankfort

KwaZulu-Natal

Drs. Collins, King and Delaney – Underberg
Drs Hartley, Fowler and Delaney - Mooiriver
Dr. Phillip Kretzmann - Pietermaritzburg

Eastern Cape

Dr. Francois van Niekerk and J Van Vuuren – Humansdorp

Western Cape

Dr. Muller Strydom – George
Dr. Otto Kriek – Malmesbury
Dr. Jannie van der Merwe - Darling

Northern Cape

Dr. Ian Vorster – Upington
Drs. Lizanne de Beer and Dirk vd Merwe - Calvinia

Sheep consultant – dr. Dave Midgley

Feed lot report

Dr. Eben du Preez

Laboratory reports

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

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

Mpumalanga

Standerton: dr. Kobie Kroon

Intestinal roundworms B,O (2)

Western Cape

Darling: dr. Jannie vd Merwe

Bottle jaw B (3) Cattle with bottle jaw seen in the wet conditions and is most probably due to internal parasites.

Resistant roundworms

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									

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								
Level of 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

Tape worms O (2)

Liver fluke

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

Mpumalanga

Standerton: dr. Kobie Kroon

Liver fluke B (3) Infestations especially where animals are grazing in low lying areas, in valleys and near rivers.

Free State

Frankfort: dr. Dries Lessing

Liver fluke B (3)

Harrismith: drs. Scheepers, Thirion and Nel

Liver fluke B (2) An upcoming farmer had a severe outbreak in the Kestell area. Cattle grazing in low lying areas and vleis are affected. Treated animals recovered well after treatment.

KwaZulu-Natal

Moorriver: drs. Hartley, Fowler and Mallet

Liver fluke B (3)

Pietermaritzburg: Phillip Kretzmann

Liver fluke B (1)

Western Cape

George – dr. Muller Strydom

Liver fluke B (3) Liver fluke infestations cause big financial losses.

Conical fluke (Paramphistomosis)

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

Mpumalanga

Middelburg: drs. Fourie and Barkhuizen

Conical fluke B (1)

Standerton: dr. Kobie Kroon

Conical fluke B (3) Infestations especially where animals are grazing in low lying areas, in valleys and near rivers.

Ermelo: dr. Ben Potgieter

Conical fluke B (2)

Balfour: dr. Louis van Jaarsveld

Conical fluke B (1)

FreeState

Frankfort: dr. Dries Lessing

Conical fluke B (3)

Harrismith: drs. Scheepers, Thirion en Nel

Conical fluke B (2)

KwaZulu-Natal

Pietermaritzburg: 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									
Level of 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									

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

Mpumalanga

Nelspruit: dr. Andre Beytell

Tick numbers declining

Balfour: dr. Louis van Jaarsveld

Blue ticks B (1)

North West

Leeudoringstad: dr. Ian Jonker

Blue ticks B (3) In summer the number of blue ticks had been low but to our surprise the numbers had increased in winter and anaplasmosis outbreaks occurred.

Free State**Harrismith: drs. Scheepers, Thirion and Nel**

Blue ticks B (2)

KwaZulu-Natal**Moorriver**

Blue ticks B (2)

Pietermaritzburg: Phillip Kretzmann

Blue ticks B (3)

Western Cape**George – dr. Muller Strydom**

Blue ticks B Very low numbers seen during winter

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									
Level of 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									

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	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					

Limpopo**Makopane (Potgietersrus): dr. Henk Visser**

Brown ear tick larvae in ears B (3)

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

Brown ear ticks B (3) These ticks had never been a problem in this area but are now present in large numbers.

Bont ticks (*Amblyomma hebraeum*)

Province	Mpumala	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			

KwaZulu-Natal

Pietermaritzburg: Phillip Kretzmann

Bont ticks B (2)

Karoo Paralysis Ticks

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

Biting Lice

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

Mpumalanga

Standerton: dr. Kobie Kroon

Biting lice O (2) Due to farmers using injectable parasiticides which do not control red lice sufficiently, their numbers are increasing. Suggest farmers should assess the resistance status of biting lice against actives before dipping their animals with registered products.

Ermelo: dr. Ben Potgieter

Biting lice B (3)

Balfour: dr. Louis van Jaarsveld

Biting lice B,C (1)

FreeState

Frankfort: dr. Dries Lessing

Biting lice B (1) Most cattle infested.

Harrismith: drs. Scheepers, Thirion and Nel

Biting lice O,C (2) Very heavy infestations due to kraaling animals at night.

Northern Cape

Calvinia: dr. Lizanne de Beer and Dirk vd Merwe

Red lice O (3) Red lice is a big problem.

Sucking Lice

Province	Mpumala	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease									
Level of importance									
Species affected									

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	B,O				B				

Mpumalanga

Standerton: dr. Kobie Kroon

Sucking lice O (2)

Ermelo: dr. Ben Potgieter

Sucking lice B (3)

Free State

Frankfort: dr. Dries Lessing

Sucking lice B (3) Most cattle infested in winter.

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 (Sheep scab)

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

Free State

Frankfort: dr. Dries Lessing

Sheep scab O (1)

Western Cape

Darling: dr. Jannie vd Merwe

Sheep scab O (1)

Northern Cape

Calvinia: dr. Lizanne de Beer and Dirk vd Merwe

Sheep scab O (3) After the recent sheep scab campaign, numerous positive farms were placed under quarantine by the State.

Upington: dr. Ian Vorster

Sheep scab: O (2)

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									
Level of 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									

Blow flies

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									

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									1
Species affected									

Northern Cape

Upington: dr. Ian Vorster

Simulium midges found 30 km from the Orange river.

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

Mpumalanga

Middelburg: drs. Fourie and Barkhuizen

African red water B (1) African red water was diagnosed in 3 bovines on the coldest day of the year. The disease pattern of red water is changing.

Ermelo: dr. Ben Potgieter

African red water B (1)

Free State

Frankfort: dr. Dries Lessing

African red water B (1)

KwaZulu-Natal

Pietermaritzburg: Phillip Kretzmann

African red water B (2)

Asiatic Red Water

Province	Mpumalanga	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease	1		2		1	1			
Level of 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

Ermelo: dr. Gert Oosthuizen

Asiatic red water B (1)

Limpopo

Polokwane: dr. Gavin Watson

Asiatic red water B (2) Cattle were imported from the Free State 3 months ago and an outbreak of *B. bovis* and *Anaplasma marginale* occurred. The farmer did not dip the animals as he did not see ticks.

Makopane: dr. Henk Visser

Asiatic red water B (2) Six animals died

Free State

Harrismith: drs. Scheepers, Thirion en Nel

Asiatic red water B (2) Cattle died due to *B. bovis* infection. Many immature *Boophilus* ticks on ventral areas and legs of cattle. Pour-on dips spread poorly in winter.

KwaZulu-Natal

Underberg: drs. Collins, King en Delaney

This disease usually occurs in the hotter summer months but now also present in winter (B 2)

Anaplasmosis

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

Limpopo

Polokwane: dr. Gavin Watson

Anaplasmosis B (2) Cattle were imported from the Free State 3 months ago and an outbreak of *B. bovis* and *Anaplasma marginale* occurred. The farmer did not dip the animals as he did not see ticks.

North West

Leeudoringstad: dr. Ian Jonker

Anaplasmosis B (3) In summer the numbers of blue ticks had been low but to our surprise the numbers increased in winter and anaplasmosis outbreaks occurred.

Free State

Frankfort: dr. Dries Lessing

Anaplasmosis B (1)
Harrismith: drs. Scheepers, Thirion en Nel
 Anaplasmosis B (2)

KwaZulu-Natal
Mooriver; drs. Hartley, Fowler and Mallet
 Anaplasmosis B (3)
Pietermaritzburg: Phillip Kretzmann
 Anaplasmosis B (2)

Western Cape
Malmesbury: dr. Otto Kriek
 Anaplasmosis B (1)
Darling: dr. Jannie vd Merwe
 Anaplasmosis B (3)

Heart water

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

Eastern Cape
Humansdorp: drs. Van Niekerk and J van Vuuren
 Heart water C (2)

Sweating sickness

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

Other tick-borne diseases
Corridor disease

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Insect transmittable diseases

Lumpy skin disease

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

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

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

KwaZulu-Natal

Pietermaritzburg: Phillip Kretzmann

Three day stiff sickness B (2) Cattle showing typical symptoms. The three day stiff sickness virus was isolated. The outbreak occurred just before an extreme cold snap which is unusual.

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									

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		1	1	3			1	1
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Level of importance	2		3	3	3			0	0
Species affected	B		B	B	B			B	B

Mpumalanga

Middelburg: drs. Fourie and Barkhuizen

Trichomonosis B (2)

Ermelo: dr. Gert Oosthuizen

Trichomonosis B (1)

Ermelo: dr. Ben Potgieter

Trichomonosis B (2) Still remaining a big problem in our area.

Standerton: dr. Kobie Kroon

Trichomonosis B (3) Test bulls for venereal diseases when they are taken out of the breeding herd after the breeding season and not only once a year.

Limpopo

Makopane (Potgietersrust): dr. Henk Visser

Trichomoniasis B (3)

North West

Leeudoringstad – dr. Ian Jonker

Trichomonosis B (3) During pregnancy examinations and bull testing we found a big increase in the number of bulls testing positive for trichomoniasis and vibriosis.

Trichomonosis was found on farms where good biosecurity practices were in place. Bulls jump fences and spread the disease.

Free State

Frankfort: dr. Dries Lessing

Trichomonosis B (3) Disease is wide spread.

Harrismith: drs. Scheepers, Thirion en Nel

Trichomonosis 3 (B)

Ladybrand: drs. Van Hasselt and Blaauw

Trichomonosis B (2) Three out of 4 bulls tested were positive

Western Cape

George: dr. Muller Strydom

Trichomoniasis B No positive cases found during tests

Upington: dr. Ian Vorster

Bulls were tested for venereal diseases and no positive cases found.

Vibriose

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								0	
Species affected								B	

Western Cape

George: dr. Muller Strydom

Vibriosis B No positive cases found during tests

Peestersiekte

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								0	
Species affected								O	

Northern Cape

Upington-dr. Ian Vorster

Peestersiekte O. No cases diagnosed.

Bacterial diseases

Anthrax

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									Game

Northern Cape

Kimberley: dr. Joseph van Heerden

Anthrax: At present two suspected cases of anthrax are under investigation (giraffe and blue wildebeest).

Black leg

Province	Mpuma-langa	Gauteng	Limpopo	North West	FreeState	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	B,O,C			

Mpumalanga

Balfour: dr. Louis van Jaarsveld

Black leg B (2)

Free State

Frankfort: dr. Dries Lessing

Black leg B (3)

Harrismith: drs. Scheepers, Thirion en Nel

Black leg B (2) Five calves died as a result of black leg. According to owner calves were vaccinated. Some farmers vaccinate their calves before the age of 3 months.

KwaZulu-Natal

Pietermaritzburg: Phillip Kretzmann

Black quarter B,O,C (3)

Swelled head

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

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	2				3				
Species affected	O,C				O				

Mpumalanga

Balfour: dr. Louis van Jaarsveld

Pulpy kidney O (2)

Nelspruit – dr. André Beytell

Goat kids are being examined for lame hind quarters. Possible reasons may be copper deficiency, chronic pulpy kidney, vitamin B1 deficiency or white muscle disease.

Free State

Frankfort: dr. Dries Lessing

Pulpy kidney O (3)

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

Mpumalanga

Middelburg: drs. Fourie and Barkhuizen

Red gut B (2) Six bovines died of red gut due to *Clostridium perfringens* type A infection. The bacteria was isolated at a private laboratory and typed at Onderstepoort. Cattle were on harvested sorghum crop fields. Due to increased energy intake the risk factor increased. The animals were vaccinated!

Free State

Frankfort: dr. Dries Lessing

Red gut B (2)

KwaZulu-Natal

Moorriver: drs Hartley, Fowler and Mallet
Redgut B (2)

Western Cape

George – dr. Muller Strydom

Clostridial infections B (3) Sudden deaths in especially younger heifers, most probably due to clostridial infections.

Prussic acid poisoning

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									

Tetanus

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									

Botulism

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	1			2					
Species affected	B			B					

Mpumalanga

Ermelo: dr. Ben Potgieter

Botulism B (1)

Nelspruit – dr. André Beytell

Large outbreaks of botulism are occurring in Mozambique due to a phosphorus deficiency. Cattle have serious pica and are not vaccinated against botulism.

North West

Leeudoringstad: dr. Ian Jonker

Botulism B (2) Cattle died as a result of being fed chicken litter.

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	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				3				

Species affected	B				B				
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Mpumalanga

Ermelo: dr. Gert Oosthuizen

Brucellosis B (2) The biggest problem is that farmers do not address the problem immediately.

Standerton: dr. Kobie Kroon

Brucellosis B (3) Huge problem in the area.

Limpopo

Makopane (Potgietersrus): dr. Henk Visser

Brucellosis- State controlled

Free State

Frankfort: dr. Dries Lessing

Brucellosis B (2)

Harrismith: drs. Scheepers, Thirion and Nel

Brucellosis B (2)

Ladybrand: drs. Van Hasselt and Blaauw

Brucellosis B (3) Four cows aborted during a period of 4 weeks on a farm. All 4 tested positive for brucellosis. The whole herd were bled and 23 out 156 were positive. Reported outbreak to the State veterinary service. Three farms adjacent to the outbreak are also positive and under State control.

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					B				

Free State

Frankfort: dr. Dries Lessing

Brucella ovis B (3) Tested 11 out of 50 rams and 8 were positive for *B. ovis*. All rams will now be tested.

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

Mpumalanga

Balfour: dr. Louis van Jaarsveld

E.coli B (2)

Eastern Cape

Humansdorp: drs. Van Niekerk and J van Vuuren

E. coli B (1)

Salmonellosis

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									

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									
Level of 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									

Viral diseases

BMC (Snotsiekte)

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

Mpumalanga

Middelburg: drs. Fourie and Barkhuizen

Snotsiekte B (1) Sporadic and severe outbreaks of the disease are seen. Outspoken lesions were seen in Bonsmaras in Groblersdal. Wildebeest and cattle should not have close contact. The farmer lost 45 cattle last season.

Limpopo

Polokwane: dr. Gavin Watson

Snotsiekte B (3) outbreaks occurred on three different farms. The one farm had blue wildebeest on the farm and the other 2 had no contact with wildebeest.

North West

Leeudoringstad: dr. Ian Jonker

Snotsiekte B (3) occurred on 3 farms and stud cows died. There had been close contact with blue wildebeest at the fences of neighbours.

BVD

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

IBR

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

Mpumalanga

Ermelo: dr. Gert Oosthuizen

Warts B (2)

Standerton: dr. Kobie Kroon

Warts B (2)

Free State

Frankfort: dr. Dries Lessing

Warts B (3)

Western Cape

Malmesbury: dr. Otto Kriek

Warts B (2)

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					Dog				

Free State

Harrismith: drs. Scheepers, Thirion en Nel
Rabies in a dog

Other viral infections

North West

Delareyville: dr. Dave Midgley
Jaagsiekte in a flock of 700 ewes

Eastern Cape

Humansdorp: drs. Van Niekerk and J van Vuuren
Enzootic bovine leucosis B (2)

Fungal Diseases

Ringworm

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

Mpumalanga

Ermelo: dr. Gert Oosthuizen
Ringworm B (2)

Standerton: dr. Kobie Kroon

Ringworm B (3) Mostly in calves from weaning to about 15 months of age. Head mostly infected but sometimes the whole body is covered.

Free state

Frankfort: dr. Dries Lessing
Ringworm B (3)

KwaZulu-Natal

Pietermaritzburg: Phillip Kretzmann
Ringworm B(2)

Eastern Cape

Humansdorp: drs. Van Niekerk and J van Vuuren
Ringworm B (1)

Diseases cause by protozoa

Coccidiosis

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

No vets reporting this disease						1			
Level of 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			

KwaZulu-Natal

Pietermaritzburg: Phillip Kretzmann

Coccidiosis O (1)

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

Mpumalanga

Middelburg: dr. Neil Fourie and Johan Barkhuizen

Urea poisoning O (1) Farmer lost 25 sheep. The feed manufacturing company used fertilizer urea in the formulation. The size of the urea pellets is larger than feed grade urea and does not mix well. If a lick is made the larger urea pellets tend to separate from the other ingredients and poisoning may occur.

Free State

Frankfort: dr. Dries Lessing

Urea poisoning B (1)

Harrismith: drs. Scheepers, Thirion en Nel

Urea poisoning B (1) An upcoming farmer lost 7 cattle. He filled feeding troughs with lick containing urea: too few troughs and cattle had salt hunger.

Tulip poisoning

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			
Level of 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			

Mpumalanga

Ermelo: dr. Ben Potgieter

Tulip poisoning B (1)

Ermelo: dr. Gert Oosthuizen

Tulip poisoning B (2)

Free State

Harrismith: drs. Scheepers, Thirion and Nel

Warning farmers against the probability of tulip poisoning - the reason being snow falls followed by higher temperatures.

KwaZulu-Natal

Moorriver: drs. Hartley, Fowler and Mallet

Tulip poisoning B (2)

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			2						
Species affected			B						

Limpopo

Polokwane: dr. Gavin Watson

Lantana poisoning in bovine occurring due to poor grazing conditions.

Gifblaar 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			2						
Species affected			B						

Limpopo

Polokwane: dr. Gavin Watson

Gifblaar poisoning in bovine occurring due to poor grazing conditions. Animals were moved from Polokwane to Potgietersrust area.

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									
Level of 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	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			

Free State

Harrismith: drs. Scheepers, Thirion en Nel

Acidosis in sheep in a feed lot. Ewes already 2 months in the feed lot. Six sheep died during snow fall, animals ate too much and did not drink enough water during the cold spell.

KwaZulu-Natal

Moorriver: drs. Hartley, Fowler and Mallet

Acidosis O (2)

Other poisonings

Mpumalanga

Balfour: dr. Louis van Jaarsveld

Cu/Zn toxicity B (3) Overdosing of injectable trace elements at three times the normal dosage rate resulted in 52 deaths out of a group of 277 animals. The lighter animals were severely affected

Eastern Cape

Humansdorp: drs. Van Niekerk and J van Vuuren

Mycotoxicosis B (1)

Northern Cape

Upington: dr. Ian Vorster

Soutganna (*Salsola barbata*)- toxicity on two farms due to poor winter grazing. Sheep have bottle jaw and kidney damage due to salt poisoning.

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

Mpumalanga

Standerton: dr. Kobie Kroon

Abortion B,O (2)

Ermelo: dr. Gert Oosthuizen

Abortions B,O (2)

Piet Retief: drs. Dieter Weber and Wolfgang Niebuhr

Abortions: Numerous abortions due to neosporosis and enzootic abortion occurred.

Free State

Frankfort: dr. Dries Lessing

Abortions B,O (3)

Vrede: dr. Dave Midgley Ewes abort late in gestation, treated animals with tetracycline but is wary that Rift Valley fever might be the cause of the abortions.

Ladybrand: drs. Van Hasselt and Blaauw

Abortions B (3) A group of 150 heifers were vaccinated 4 weeks ago with Bovishield. The heifers were about 2,5 months pregnant. Nine heifers aborted during a 2 week period. Uncertain history of the vaccination program of the previous year. The laboratory results have not been received but it is a possibility that administering the live vaccine to pregnant heifers could have caused the abortions. No bacteria were isolated.

KwaZulu-Natal

Moorriver: drs. Hartley, Fowler and Mallet

Abortions B (3)

Pietermaritzburg: Phillip Kretzmann

Abortion B,C (2)

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

Abortions B (3) Bacterial placentitis leading to abortions. Abortions in dairy cows due to possible sub acute ruminal acidosis allowing absorption of bacteria which led to abortions.

Western Cape**Malmesbury: dr. Otto Kriek**

Abortions B (1)

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	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		
Species affected	B				B	B	B		

Mpumalanga**Ermelo: dr. Ben Potgieter**

Poor conception B (1)

Balfour: dr. Louis van Jaarsveld

Poor conception B (2)

Nelspruit – dr. André Beytell

Conception figures down due to poor grazing and late rains. Cows only come on heat during the latter part of the breeding season and calving as a result of this is only going to start later in the season.

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

Poor conception B (3)

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

Poor conception B (3)

Northern Cape**Kimberley: dr. Joseph van Heerden**

In comparison to last year the lambing percentage of ewes are much higher.

Dystocia

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

Mpumalanga

Standerton: dr. Kobie Kroon

Dystocia B,O (2)

Ermelo: dr. Ben Potgieter

Dystocia B (3) Numerous large calves in heifers grazing on harvested crop fields.

Ermelo: dr. Gert Oosthuizen

Dystocia B,O (2)

Balfour: dr. Louis van Jaarsveld

Dystocia B,O,C (1)

Free State

Frankfort: dr. Dries Lessing

Dystocia B (3)

Harrismith: drs. Scheepers, Thirion and Nel

Dystocia B (3)

KwaZulu-Natal

Moorriver : Hartley, Fowler and Mallet

Dystocia B (3)

Pietermaritzburg: Phillip Kretzmann

Dystocia B (2)

Eastern Cape

Humansdorp: drs. Van Niekerk and J van Vuuren

Dystocia B (2)

Western Cape

Malmesbury: dr. Otto Kriek

Dystocia B (2)

George: dr. Muller Strydom

Dystocia B (3)

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		1	3	
Species affected					B		B	B	

Free State

Frankfort: dr. Dries Lessing

Metritis B (2)

Eastern Cape

Humansdorp: drs. Van Niekerk and J van Vuuren
Metritis B (1)

Western Cape

Malmesbury: dr. Otto Kriek
Metritis B (3) Due to wet muddy conditions this is an ongoing problem.

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

Mpumalanga

Ermelo: dr. Ben Potgieter B (1)

Free State

Frankfort: dr. Dries Lessing
Retained afterbirths B (2)

Western Cape

Malmesbury: dr. Otto Kriek
Retained afterbirths 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						

Limpopo

Polokwane: dr. Gavin Watson
Uterine prolapses occurring in Brahman crosses that are in poor condition.

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		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					O		B		

Free State

Ladybrand: drs. Van Hasselt and Blaauw
Naval ill O (2)

Eastern Cape

Humansdorp: drs. Van Niekerk and J van Vuuren
Naval ill B (1)

Joint-ill/Arthritis

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

Free State

Ladybrand: drs. Van Hasselt and Blaauw
Arthritis O (2)

Eastern Cape

Humansdorp: drs. Van Niekerk and J van Vuuren
Joint ill B (1)

Mastitis

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

Mpumalanga

Balfour: dr. Louis van Jaarsveld
Mastitis B (2)

Free State

Frankfort: dr. Dries Lessing
Mastitis B (2)

Western Cape

Malmesbury: dr. Otto Kriek
Mastitis B (2) Due to wet muddy conditions this is an ongoing problem.

Darling: dr. Jannie vd Merwe
Mastitis B (3) Due to wet and muddy conditions mastitis due to *E.coli* is rife.

Foot rot and lameness

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

Mpumalanga

Balfour: dr. Louis van Jaarsveld

Lameness B (1)

Free State

Ladybrand: drs. Van Hasselt and Blaauw

Lameness B (2)

KwaZulu-Natal

Moorriver: drs. Hartley, Fowler and Mallet

Foot rot O (3)

Pietermaritzburg: Phillip Kretzmann

Lameness B (2)

Eastern Cape

Humansdorp: drs. van Niekerk and J. van Vuuren

Lameness B (2) Severe wet condition, created uneven pathways with stones. Up to 30% of herds were affected.

Western Cape

George: dr Muller Strydom

Lameness B (3) Severe wet conditions leading to lameness.

Malmesbury: dr. Otto Kriek

Lameness B (2) Due to wet muddy conditions this is an ongoing problem.

Darling: dr. Jannie vd Merwe

Footabscess B (3) due to wet and muddy conditions

Bloat

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

KwaZulu-Natal

Moorriver: drs. Hartley, Fowler and Mallet

Bloat due to foreign body obstruction B (1)

Diarrhoea

Province	Mpuma-langa	Gauteng	Limpopo	North West	Free State	KwaZulu Natal	Eastern Cape	Western Cape	Northern Cape
No vets reporting this disease	4				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		2	
Species affected	B,O				B	B		B	

Mpumalanga

Middelburg: dr. Neil Fourie and Johan Barkhuizen

Diarrhoea B (2) Diarrhoea in calves still a huge problem. Hope to do research during the next few months to get to the cause of the problem.

Ermelo: dr. Gert Oosthuizen

Diarrhoea B,O (2)

Standerton: dr. Kobie Kroon

Diarrhoea B (2)

Balfour: dr. Louis van Jaarsveld

Diarrhoea B (1)

FreeState**Frankfort: dr. Dries Lessing**

Diarrhoea B (2)

Harrismith: drs. Scheepers, Thirion and Nel

Diarrhoea B (1) Cows that calved during autumn are now grazing on harvested crop fields with their calves. Some calves have severe diarrhoea and even deaths occur.

KwaZulu-Natal**Pietermaritzburg: Phillip Kretzmann**

Diarrhoea B (2)

Western Cape**Malmesbury: dr. Otto Kriek**

Diarrhoea B (1)

Darling: dr. Jannie vd MerweDiarrhoea B (3) Severe diarrhoea in young calves, 6 to 7 days old due to *Cryptococcus***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			
Level of 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	B			

Mpumalanga**Ermelo: dr. Ben Potgieter**

Ophthalmia B (1)

Standerton: dr. Kobie Kroon

Ophthalmia B,O (2)

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

Ophthalmia B (2)

KwaZulu-Natal**Pietermaritzburg: Phillip Kretzmann**

Ophthalmia B (2)

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	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	O				B	B,O		B	

Mpumalanga

Standerton: dr. Kobie Kroon

Abscesses O (2)

Ermelo: dr. Ben Potgieter

Abscesses B (1)

Free State

Frankfort: dr. Dries Lessing

Abscesses B (2)

KwaZulu-Natal

Pietermaritzburg: Phillip Kretzmann

Abscesses B,O (2)

Western Cape

Malmesbury: dr. Otto Kriek

Abscesses B (1)

Eastern Cape

Humansdorp: drs. Van Niekerk and J van Vuuren

Abscesses B (1)

Pneumonia

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

Mpumalanga

Ermelo: dr. Ben Potgieter

Pneumonia B,O (3) Cold weather conditions play a big role in the the occurrence of pneumonia.

Balfour: dr. Louis van Jaarsveld

Pasteurellosis B,O (2)

Standerton: dr. Kobie Kroon

Pneumonia B (2)

North West

Leeudoringstad: dr. Ian Jonker

Pneumonia B (3) Due to dusty conditions and ammonia in the kraal, the occurrence of pasteurellosis is widespread.

Free State

Frankfort: dr. Dries Lessing

Pneumonia B (3) Weaner calves and ewes with no history of previous vaccinations against pneumonia causing agents.

Marquard: dr. Dave Midgley

Pasteurellosis in sheep.

KwaZulu-Natal

Moorriver: drs. Hartley, Fowler and Mallet

Pasteurellosis B,O (3)

Pietermaritzburg: Phillip Kretzmann

Pneumonia B (2)

Western Cape

Malmesbury: dr. Otto Kriek

Pneumonia B (2)

George – dr. Muller Strydom

Pneumonia B (2) especially in larger calves.

Northern Cape

Upington: dr. Ian Vorster

Pasteurellosis O (3) Pneumonia in lambs

Lamb survival

Dr. Dave Midgley: Lamb deaths lower in lambing systems where lambing pens and drifting systems are used e.g. in Heidelberg, Swellendam, Villiers and Tweeling.

Nutritional deficiencies

Macro feed deficiencies

Protein

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

Mpumalanga

Standerton: dr. Kobie Kroon

Protein deficiency B,O (2)

KwaZulu-Natal

Pietermaritzburg: Phillip Kretzmann

Protein deficiency B,O,C (3)

Western Cape

Malmesbury: dr. Otto Kriek

Malnutrition B (3) Due to wet muddy conditions this is an ongoing problem.

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		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		1	
Species affected	B			B		B,O,C		B	

Mpumalanga

Middelburg: dr. Gert Oosthuizen

Cows unable to rise.

Standerton: dr. Kobie Kroon

Energy deficiency B,O (2)

North West

Leeudoringstad: dr. Ian Jonker

Poor grazing and advise farmers to treat mealie leaves with a Voermol product, LS 33 (25 liter LS 33 plus 25 liter water and treat 20 kg of roughage with 1 liter of the LS 33 mixture)

KwaZulu-Natal

Pietermaritzburg: dr. Phillip Kretzmann

Energy deficiency B,O,C (3)

Western Cape

Malmesbury: dr. Otto Kriek

Energy deficiency B (1)

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		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

Humansdorp: drs. Van Niekerk and J van Vuuren

Calcium deficiency B (2)

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			
Level of 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	C					B,O,C			

Mpumalanga

Nelspruit – dr. André Beytell

Goat kids are being examined for the reason for lame hindquarters. Possible reasons may be copper deficiency, chronic pulpy kidney, vitamin B1 deficiency or white muscle disease.

KwaZulu-Natal

Pietermaritzburg: dr. Phillip Kretzmann

Copper deficiency B,O,C (3)

Selenium

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

Mpumalanga

Nelspruit – dr. André Beytell

Goat kids are being examined for lame hindquarters. Possible reasons for this may be copper deficiency, chronic pulpy kidney, vitamin B1 deficiency or white muscle disease.

KwaZulu-Natal

Pietermaritzburg: dr. Phillip Kretzmann

Selenium deficiency B,O,C (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			
Level of 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,C			

KwaZulu-Natal

Pietermaritzburg: dr. Phillip Kretzmann

Vitamin A deficiency B,O,C (3)

VitaminB 1 deficiency

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

Mpumalanga

Nelspruit – dr. André Beytell

Goat kids are being examined for lame backs. Possible reasons may be copper deficiency, chronic pulpy kidney, vitamin B1 deficiency or white muscle disease.

Metabolic diseases

Acidosis

Free state

Marquard: dr. Dave Midgley

Acidosis in ewes due to lamb.

Domsiekte

Northern Cape

Calvinia: dr. Dirk en Lizanne van der Merwe

Lucerne fields were flooded by a river breaking its bank. Sheep were moved to veld grazing and they developed domsiekte.

Other conditions

Left displaced abomasum

KwaZulu-Natal

Moorriver: drs. Hartley, Fowler and Mallet

LDA B (2)

Western Cape

Malmesbury: dr. Otto Kriek

LDA B (2) Correct nutrition and feed trough management especially during the last 3 weeks of pregnancy.

Darling: dr. Jannie vd Merwe

LDA B (2) Dry dairy cows with displaced abomasums were caused by extensive rainfall, overcrowding of cattle in housing and uncomfortable conditions. When predisposing factors were removed and the number of cows in housing halved the problem was solved.

Freezing temperatures

Free State

Harrismith: drs. Scheepers, Thirion and Nel

Calves of heifers died during and soon after calving.

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Horses

Limpopo

Makopane (Potgietersrus): dr. Henk Visser

Babesiosis: Horses died

Dogs

Pigs

Feedlot report

Feed lot report: dr. Eben du Preez

In feedlots nothing extraordinary happened. The usual incidents such as **acidosis** and **pneumonia** occurred. The sudden **cold** took its toll and light calves with poor fat reserves died. Cold winds caused **nutritional disturbances**.

Deaths due to **black quarter** occurred in North West but the *Clostridium* bacteria causing deaths were not typed. It is important to take 6 smears of affected tissue of an animal that died so as to establish which bacteria is causing deaths. Correct prophylactic measures can be taken to protect the remaining animals in the feed lot.

Parafilaria in cattle from the Rustenburg area caused losses due to the large amounts of meat that had to be cut away at abattoirs to remove lesions.

Liver fluke caused great losses. Value of a liver is about R80.00 but hidden cost due to loss in weight is about 25kg reduced slaughter weight as well as reduced slaughter percentage. Very often such an animal's immunity is also depressed and lung lesions are seen in such animals at slaughter.

In sheep feed lots the general health of the animals were exceptionally well except in lambs that were taken into the feed lots under 25 kg body weight.. Some of these lambs were already older lambs but due to poor grazing conditions they were severe under weight. Such lambs have problems to adapt in the feed lot and their immune status is poor. These lambs often die due to **pulpy kidney, pneumonia, anaemia, and succumb due to cold and adaptation problems**.

Ophthalmia as a result of **vitamin A** deficiency is seen. Vitamin A stores in the liver are depleted and supplying animals with vitamin A is extremely important.

Laboratory reports

Pathcare –Cape Town – Jeanette Wentzel

Disease condition	Specie	District	Information
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Pulpy kidney	Sheep	Ladybrand, Kimberley	1 case in Ladybrand 4 cases in Kimberley
Lymphosarcoma	Sheep	Winburg	3 cases
Johne's disease	Sheep	Malmesbury and Elgin	Confirmed histologically
Pneumonia	Pigs	Bellville	Bacterial
Pneumonia	Cattle	Kimberley, Vaalharts, Bethlehem	Mostly bacterial, 1 case aborted foetus
Pneumonia	Cattle	Easten Cape	<i>Pasteurella multocida</i>
Vitamin B1 deficiency	Cattle	Bredasdorp	
Hypoproteinaemia	Cattle	Riversdal	
<i>Salmonella</i>	Cattle	Port Elizabeth	
Septicaemia	Cattle	Port Elizabeth	
Bacterial Placentitis	Cattle	Port Elizabeth	Aborted foetus
Cryptosporidiosis	Cattle	Worcester	
Coccidiosis	Cattle	East London	
Coccidiosis	Cattle	Oudtshoorn	
Ketosis (Domsiekte)	Goats	Bethlehem	
Lymfosarcoma/Mareks	Fowls	Malmesbury	
Tuberculosis	Llama	Villiersdorp	Human TB confirmed
Encephalitozoon	Dogs	Otjiwarongo, Namibië	
Demodex	Rabbits	Bellville	

MONTHLY DISEASE HIGHLIGHTS. CASES RECEIVED AT IDEXX LABORATORIES DURING AUGUST, 2012 submitted by dr. Maryke Henton

E. coli was isolated from newly weaned pigs in Mpumalanga. The only significant PM change seen, was a haemorrhagic small intestine. Onderstepoort Veterinary Institute is again offering an *E. coli* serotyping service, concentrating on known pathogenic strains. They typed the isolate as *E. coli* O149:K91,88, which has always been the most common pathogenic strain affecting pigs in South Africa. All the available porcine *E. coli* vaccines contain one or more of the virulence factors produced by this strain and should therefore protect against it.

Lung adhesions and abscesses in 2 month old calves in Mpumalanga yielded ***Salmonella Dublin*** and ***Streptococcus zooepidemicus***. Although most *Salmonella* cases in calves manifest as enteritis or septicaemia, a significant number show pneumonia as the only sign. When *Streptococcus* is isolated at about 2 months of age, the source of the infection is often from an umbilical infection. There is an unusually long incubation period associated with such umbilical infections. *Streptococcus zooepidemicus* infections are rare in ruminants and are most commonly seen in horses.

Actinomyces bovis, which usually causes lumpy jaw, was isolated from a bovine lung, from the Western Cape. *Actinomyces bovis* can also cause other purulent infections in cattle. Likewise, ***Actinobacillus lignieresii***, which usually causes wooden tongue and abscesses in the head and neck, was isolated from a case of upper respiratory infection and sinusitis in a sheep, Gauteng area.

Mannheimia (Pasteurella) is the most common cause of Blue Udder in South Africa, and recently ***Histophilus somni*** has been the second most common isolate, instead of ***Staphylococcus aureus*** which used to be in second place. Severe gangrenous blue udder was caused by *S. aureus* in a flock in Mpumalanga. Although the isolate was very susceptible to nearly all the commonly used antibiotics, severe losses occurred despite treatment with the correct antibiotics. This was probably due to toxins, as bacteria that have been killed break up, and their toxins are released, often with fatal results. The OBP Blue Udder vaccine contains 3 *Mannheimia* strains, and two strains of *Staphylococcus aureus*. The two *Staphylococcus* strains included in the vaccine were selected on the basis of the haemolysins (which are also toxins) that the two strains produced. The vaccine should protect the ewes in this case.

Laboratory report submitted by dr. Rick Last

Not sure if this may be of interest to your monthly disease report, but the **liver fluke faecal antigen test** is producing some interesting results.

Just to let you know that we are starting to get a steady flow of Complete faecal Panel requests (Roundworm, tapeworm, fluke, coccidia flotations + Liver Fluke antigen). We are picking up positive liver fluke antigen tests from Stellenbosch, Somerset East, Underberg and Standerton. Some of the antigen tests from Stellenbosch and Somerset East have been high positives confirming heavy fluke infestation. Interestingly, in none of these positive fluke samples were any fluke eggs detected on flotation. Therefore, warn your farmers to be very wary of feeling comfortable with a negative fluke flotation test.