# Monthly report on livestock disease trends as informally reported by veterinarians belonging to the Ruminant Veterinary Association of South Africa (RuVASA), a group of the South African Veterinary Association

#### March 2018

(Previous disease reports can be seen on the RuVASA website www.ruvasa.co.za)

#### **Click on Disease Reports**

#### The following practices and laboratories (118) submitted reports during March 2018:

#### Mpumalanga (12)

Balfour - Dr. Louis van Jaarsveld

Bethal - Dr. Hardus Pieters

Delmas - Drs. Du Plessis, Ferreira and Jooste

Ermelo - Drs. Potgieter and Steinberg

Grootvlei - Dr. Neels van Wyk

Karino - Dr. Silke Pfitzer

Malalane - Drs. Van Sittert and Van Sittert

Middelburg -Drs. Malan, Erasmus and Bernitz

Nelspruit – Dr. André Beytel

Piet Retief - Drs. Niebuhr and Weber

Standerton - Dr. Kobie Kroon

Volksrust - Dr. Johan Blaauw

#### Gauteng (9)

Bapsfontein - Drs. Olivier, Engelbrecht and Greyling

Bronkhorstspruit - Drs. De Bruin, De Bruin, Rudolph and Slabber

Hammanskraal – Dr. Hentie Engelbrecht

Magaliesburg - Dr. Ryan Jeffery

Muldersdrift – Dr. Clare Speedy

Nigel - Dr. Cindy van der Westhuizen

Onderstepoort Veterinary Academic Hospital – Proff. Annandale, Shakespear, Holm, Pettey and Drs,

Fitte, Grobler, Hamman, Koeppel, Leask, Mabu, Marufu, Mokoele, O'Dell, Tshuma and Van der Leek

Pretoria – Dr. Hanneke Pienaar

Vanderbijlpark – Dr. Kobus Kok

#### Limpopo (7)

Bela-Bela – Dr. Nele Sabbe

Makhado (Louis Trichardt) – Drs. Harris, Klopper and Jacobs

Mokopane (Potgietersrust)- Dr. Henk Visser

Polokwane (Pietersburg) - Drs. Watson, Viljoen, Jansen van Vuuren, Van Rooyen, Snyman and

Cremona

Tzaneen – Drs. Cordier and van der Berg

Vaalwater – Dr. Hampie van Staden

Vaalwater – Dr. Annemieke Müller

#### North West (10)

Brits - Dr. Boshoff and Coertze

Christiana - Dr. Pieter Nel

Klerksdorp – Drs. Coetzee and Venter

Klerksdorp – Drs. Van den Berg, Van den Berg, Theron and Geral

Leeudoringstad – Dr. Ian Jonker

Lichtenburg – Dr. Nelmarie Krüger-Rall

Rustenburg – Drs. Grobler, Sparks, Van Egdom, Van Rooyen, Goosen and Van Rensburg

Stella - Dr. Magdaleen Vosser

Ventersdorp/Koster – Drs. Benadé and Van der Merwe

Vryburg – Dr. Jurie Kritzinger

#### Free State (25)

Bethlehem - Drs. Strydom and Strydom

Bethlehem - Dr. J. C. du Plessis

Bloemfontein – Dr. Stephan Wessels

Bultfontein – Dr. Santjie Pieterse

Clocolan - Drs. Wasserman and Basson

Dewetsdorp – Dr. Marike Badenhorst

Ficksburg – Drs. Kotzé and Coetzer

Frankfort - Drs. Lessing, Cilliers and Janse van Rensburg

Hertzogville – Dr. Nico Hendrikz

Hoopstad – Dr. Kobus Pretorius

Kroonstad – Drs. Daffue, Eksteen, Van Zyl and Van der Walt

Ladybrand/Excelsior - Dr. De Vos and Nel

Memel – Drs. Nixon and Nixon

Parys – Drs. Wessels and Wessels

Philippolis – Dr. Stephan van Niekerk

Reitz - Dr. Murray Smith

Senekal - Dr. Jan Blignaut

Smithfield – Dr. Nienke van Hasselt

Trompsburg - Dr. Wyn Irwin

Viljoenskroon – Dr. Johan Kahts

Villiers - Drs. Hattingh and Hauptfleish

Vrede – Drs. Myburgh, Bester-Cloete and Bester

Wesselsbron - Dr. Johan Jacobs

Winburg - Drs. Albertyn and Albertyn

Zastron - Drs. Troskie and Strauss

#### KwaZulu-Natal (11)

Bergville - Dr. Ariena Shepherd

Bergville - Dr. Jubie Muller

Camperdown - Dr. Anthony van Tonder

Dundee – Drs. Marais, Fynn and Reynolds

Estcourt - Drs. Turner, Tedder, Taylor, Tratschler, Van Rooyen and Alwar

Mtubatuba – Dr. Trever Viljoen

Newcastle - Dr. Barry Rafferty

Pietermaritzburg - Dr. Phillip Kretzmann

Pongola – Dr. Heinz Kohrs

Underberg - Drs. Collins, King and Delaney

Vryheid – Drs.Theron and Theron

#### Eastern Cape (15)

Alexandria - Dr. Johan Olivier

Aliwal North - Drs. Troskie and Strauss

Bathurst - Dr. Jane Pistorius

Cradock - Dr. Frans Erasmus

Graaff- Reinet - Dr. Roland Larson

Graaff-Reinet – Drs. Hobson, Strydom and Hennesy

Grahamstown – Drs. Mendes and Dreyer

Humansdorp – Drs. Van Niekerk, Janse Van Vuuren and Davis

Jeffreys Bay – Drs. Lategan, Hoek and McFarlane

Kareedouw - Dr. Marten Bootsma

Middelburg, Steynsburg, Barkly East – Drs. Van Rooyen and Viljoen

Queenstown - Drs. Du preez, Godley, Klopper, Jansen van Vuuren, De Klerk and Catherine

Stutterheim - Dr. Dave Waterman

Uitenhage - Drs. Mulder and Krüger

Witelsbos - Dr. Elmien Kotze

#### Western Cape (18)

Beaufort West - Dr. Jaco Pienaar

Beaufort West - Dr. Bennie Grobler

Caledon – Drs. Retief, Coetzer and Janssen

Caledon - Drs. Louw and Viljoen

Darling – Drs. Van der Merwe, Adam and Senekal

George - Drs. Strydom, Truter and Pettifer

Heidelberg – Dr. Albert van Zyl

Malmesbury – Dr. Otto Kriek

Malmesbury – Dr. Markus Fourie

Malmesbury - Dr. Andries Lesch

Oudtshoorn - Dr. Glen Carlisle

Paarl – Dr. Dirk Triegaardt

Piketberg – Dr. André van der Merwe

Plettenberg Bay – Dr. André Reitz

Stellenbosch - Dr. Alfred Kidd

Stellenbosch – Dr. Annelie Cloete

Swellendam – Dr. Jacques Malan

Vredenburg – Dr. Izak Rust

#### Northern Cape (6)

Calvinia - Dr. Bertus Nel

Colesberg – Drs. Rous and Rous

De Aar - Dr. Donald Anderson

Kathu – Dr. Jan Vorster

Postmasburg – Dr. Boeta van der Merwe

Upington – Drs. Vorster and Visser

#### Feedlots (1)

Drs. Morris and Du Preez

#### Laboratory reports (4)

Dr. Marijke Henton - Vetdiagnostix, Johannesburg

Dr. Alan Fisher – Queenstown Provincial laboratory

Dr. Last, Bosch and Williams - Vetdiagnostix, Pietermaritzburg

Dr. Mark Chimes – Dairy Standards, George

#### **Key Messages**

The World Veterinary day is scheduled for the 28 th of April 2018 and the theme for this year is:

THE ROLE OF THE VETERINARY PROFESSION IN SUSTAINABLE DEVELOPMENT TO IMPROVE LIVELIHOODS, FOOD SECURITY AND SAFETY

http://www.oie.int/for-the-media/press-releases/detail/article/what-have-you-planned-for-world-veterinary-day-2018/

# THEME 2018 THE ROLE OF THE VETERINARY PROFESSION IN SUSTAINABLE DEVELOPMENT TO IMPROVE LIVELIHOODS, FOOD SECURITY AND SAFETY

A large part of the world population lives in rural areas where animals are indispensable for their livelihood and access to food. Many farmers in these areas depend on animals as the main source of income. For numerous households, animals are also the best means to preserve the necessary resources to cope with agricultural crises, to exit poverty, or to help to keep the soil fertile and provide traction for ploughing and transport.

It is estimated that the world population will reach 9.7 billion people by 2050 and the demand for animal protein and byproducts will grow respectively. By preventing and controlling animal diseases, veterinarians play a crucial role in securing sufficient and safe high-quality food, improving the health and welfare of people and animals. They contribute to ensure the existence of sufficient resources for future generations by supporting the development of sustainable, responsible and efficient livestock production systems.

Furthermore, the veterinary profession is responsible for the control and inspection of animal products at all stages "from farm to fork" to guarantee safe food to the world population. It also positively impacts a wide range of employment fields that deliver services for the benefit of society and all animals.

#### PARTICIPATE IN THE WORLD VETERINARY DAY

Dr. Neil Fourie who had been a production animal veterinarian in Middelburg, Mpumalanga wrote the following:

1. Production animal veterinarians are thoroughly aware of the economy of farming. The services of the veterinarian should bring money into the pocket of the farmer (or curb losses). If not, there is no sense in making use of a veterinarian.

Produksiedierveeartse is terdeë bewus van die ekonomie van boerdery. Die dienste van jou veearts behoort vir jou geld in te bring (of jou verliese te beperk). Indien nie, is daar geen sin om van 'n veearts gebruik te maak.

2. The local veterinarian knows the problems of the area due to the fact that he/she has a wide exposure to animal health problems. Performing necropsies, information is gathered to know what diseases are present in the area. By studying the monthly disease reports it is also known what is happening in the rest of the country. Diseases and other animal health problems can be prevented by following preventative immunization and management programmes, which are compiled with the help of the farmer to suite his/hers specific farming operation. If an unknown condition is found, a solution will be found with the help of specialists.

Die plaaslike veearts ken die probleme van die omgewing omdat hy 'n wye spektrum blootstelling oor 'n groot area het. Na-doodse ondersoeke van diere wys die veearts wat die siektes van die area is. Minder siektes en vrektes kom voor deurdat 'n voorkomende immuniseringsprogram wat spesifiek vir die boer se omstandighede aangepas is, saam met die boer uitgewerk word. Indien die veearts nie die siekte ken nie, sal hy poog om die probleem op te los.

3. The veterinarian plans with his/her client how to increase revenue by improving the income of the herd. In practical terms it means more meat, wool, mohair and milk per hectare produced and sold. A basic recording system is put in place and regularly updated.

Die veearts beplan saam met sy kliënt hoe hy/sy ekonomies meer geld kan maak deur sy vrugbaarheid in die kudde te verhoog. In praktiese terme: meer vleis, wol, bokhaar, melk word

per hektaar gelewer en verkoop. 'n Basiese rekordhoudingsisteem word opgestel en in stand gehou.

4. Parasietbeheerriglyne word saam met die boer opgestel. Miseiertellings van verskillende ouderdomsgroepe diere word gereeld gedoen, parasietweerstand (veral vir haarwurm en bloubosluise) word gemonitor en aanpassings in die aktiewes wat vir parasietbeheer gebruik word, word gedoen.

Parasite control guidelines are documented in cooperation with the farmer. Faecal egg counts of the different age groups are done regularly. Parasite resistance (especially wireworm and blue ticks) is monitored and adaptation in the actives used for parasite control, is made.

5. Bulle en ramme word voor die dekseisoen getoets vir vrugbaarheid en deksiektes. Indien dit nie gedoen word nie, kan boere groot ekonomiese verliese ly.

Before the breeding season bulls and rams are tested for fertility and venereal diseases. If this is not done great economic losses can occur.

6. Vroulike diere word vir dragtigheid getoets. Hierdie is die belangrikste ondersoek van die seisoen. Daar is baie nie-veeartse wat dieselfde diens lewer. Die veearts is toegerus om enige afwykings van die verwagte te kan ondersoek. Dit gaan dus nie net hier oor wat is dragtig en nie dragtig nie, maar wat het verkeerd gegaan.

Female animals are tested for fertility. This examination is the most important procdure of the season. There are many non-veterinarians doing pregnancy examinations. How ever the veterinarian is trained to diagnose abnormalities and diseases of the ovaries and uterus. It is not only whether animals are pregnant or not, but what went wrong.

7. Die veearts is ook daar vir noodgevalle soos bv. kalwings- en lamprobleme, siekteuitbreke, vergiftigings ens.

The veterinarian is also available for emergencies such as calving and lambing problems, disease outbreaks, toxicities, etc.

8. Die meeste plaaslike veeartse antwoord ten minste 20 oproepe per dag van kliënte wat net raad wil inwin oor 'n situasie op die plaas. Waarmee om te behandel, wat om te doen? Die diens word gratis verskaf.

Most local veterinarians answer at least 20 calls per day of clients seeking advice on a situation on the farm - what treatment should be given, what to do? The service is usually rendered free of charge.

9. Dieregesondheidsprodukte behoort deur die veearts verskaf te word. Die veearts het meer tegniese inligting as enige ander verkoopspunt.

Animal health products should be supplied by a veterinarian. The veterinarian has more technical knowledge than any other sales point.

10. Die belangrikste rede om jou plaaslike veearts te ondersteun, is omdat hy net so kwesbaar is soos die Suid-Afrikaanse boer. Saam het ons geen beskerming teen huidige wetgewing, insetkoste en onwettige handel nie. Soos elke boer op sy eie moet oorleef, moet die plattelandse veearts dieselfde doen. The most important reason to support your local veterinarian, is that he/she is as vulnerable as the South African farmer. Together we have very little protection against current laws, input costs and unlawful trading. As every farmer has to survive on his/her own, the rural practitioner has to do the same.

Geskryf deur: dr. Neil Fourie, Voormalige privaatveearts, Middelburg, Mpumalanga

Written by: dr. Neil Fourie, Former private veterinarian, Middelburg, Mpumalanga

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It is so important that every farmer exporting animal products should be aware of diseases and conditions that may affect our exports.

The countries to whom we export set standards and a few important issues that we should consider are:

Animal identification

Traceability

Free of residues

Disease control

Our aim as farmers is: Food security, Food safety and to survive economically.

Important is to study the Veterinary Strategy (2016 -2026) as it gives direction to where we are going with Animal Health in South Africa.

http://nahf.co.za/wp-content/uploads/Vet-strategy-final-signed.pdf

At the following link information needed to educate cattle owners and consumers of unpasteurised dairy products regarding brucellosis are available..

http://nahf.co.za/category/diseases/brucellosis/

Translations in the major languages regarding the 5 core facts on bovine brucellosis are available at the following link:

http://nahf.co.za/translations-for-bovine-brucellosis-5-core-facts-and-a-dozen-things/

Websites that are there to help you with information regarding animal health:

#### **National Animal Health Forum**

www.nahf.co.za

Read what the Forum is all about:

http://nahf.co.za/about/

This website will become the information centre of animal health in Southern Africa.

On the toolbar click on **Stakeholders** and you will find links to producer organizations and other organizations who are participating in the NAHF <a href="http://nahf.co.za/stakeholders/">http://nahf.co.za/stakeholders/</a>

Provincial Animal Health Forums have their own site – click on **Provinces** <a href="http://nahf.co.za/provinces/">http://nahf.co.za/provinces/</a>

Important is to study the Veterinary Strategy (2016 -2026) as it gives direction to where we are going with Animal Health in South Africa.

http://nahf.co.za/wp-content/uploads/Vet-strategy-final-signed.pdf

Click on **Info centre** for more information on the "war" we have against Bovine Brucellosis. Please be up to date on the role all have to play to control this zoonotic disease. <a href="http://nahf.co.za/category/diseases/brucellosis/">http://nahf.co.za/category/diseases/brucellosis/</a>

Information on other controlled diseases (Ovine Johne's Disease, Pest of small stock – PPR, and African Horse Sickness) is available.

This link will continuously be updated.

Information on **antibiotic resistance** is also available at this address: http://nahf.co.za/category/antibiotic-resistance/

#### **Rural Veterinary Association of South Africa**

#### www.ruvasa.co.za

Click on **Disease reporting** where maps and information can be sourced on the prevelance of diseases in all provinces. Abattoir reports are available. Use the information available to update management programmes

#### Landbouweekblad's webpage

#### www.landbou.com

#### **Vra vir Faffa**

Click on: Indeks van antwoorde where more than 4 000 answers can be sourced on animal health.

Click on Beeste Click on Siektes Click on Brusellose

Stop Brusellose

Gevaar om Beesbrusellose (BBR) deur vendusies en skoue te versprei

Rapportering aan bure of ander eienaars oor die voorkoms van brusellose

Inligting oor brusellose op die NAHF se webblad

Kuddebestuur voor die dekseisoen

Bees Brusellose handleiding

Teenliggaamwaardes om beesbrusellose in koeie te bepaal

Veterinêre Strategie 2016 -2026

'n Dosyn dinge wat jy moet weet van beesbrusellose

Vyf kernfeite wat jy van beesbrusellose (Besmetlike misgeboorte - BM) behoort te weet

Veiligheid van vleis en biltong afkomstig van 'n bees met brusellose

Vervoer van diere uit 'n positiewe brusellose kudde

Beheer van brusellose in 'n beeskudde

Boerderypraktyke wat die gevaar van die voorkoms van brusellose verhoog

Pak brusellose by die horings

Brucellose kan jou lewe verwoes

Brusellose in wild

Bestuur van positiewe besmetlike misgeboorte beeste

Aankoop van beeste wat besmetlike misgeboorte het

Antwoorde oor brusellose

Behandeling van besmetlike misgeboorte

Besmetlike misgeboorte uitbreek in 'n kudde

Gevaar van brusellose onderskat

RB51-inenting teen brusellose in dragtige koeie

Alles oor Besmetlike Misgeboorte (BM)

Kompensasie vir BM en TB positiewe beeste?

Nóg vrae oor besmetlike misgeboorte

Koeie positief getoets vir besmetlike misgeboorte

Vrae, antwoorde oor besmetlike misgeboorte

Brucellose: Wat staan ons te doen?

#### Internal parasite control

www.wormx.info

#### **Summary of disease report for March 2018**

118 Reports from veterinary practices and laboratories were received (Mpumalanga (MP) 12; Gauteng (G) 9; Limpopo (L) 7; Northwest (NW) 10; Free State (FS) 25; KwaZulu-Natal (KZN) 11; Eastern Cape (EC 15); Western Cape (WC) 18: Northern Cape (NC) 6; Feedlots (FL) 1 and Laboratories (Lab) 4).

For the detailed report and previous reports go to <a href="www.ruvasa.co.za">www.ruvasa.co.za</a> and click on Disease reporting

#### **Internal parasites**

The following reports were received from practices regarding internal parasite infestations:

Internal parasites	MP	G	L	NW	FS	KZN	EC	wc	NC
Roundworms	х	х	х	Х	х	Х	Х	Х	
Resistant roundworms	х	х	х	Х	х		Х	Х	
Wireworm	х	х	х	Х	х	х	Х	Х	Х
Brown stomach-worm							Х	Х	
Long-necked bankruptworm									
Large-mouthed bowelworm									
Nodularworm							Х		
Lungworm									
Eyeworm									
Parafilaria	х		х			Х			
Tapeworms	х		х	Х	х		Х		
Liver fluke	х				х	Х		Х	
Conical fluke	х			х	х	Х		х	
Cysticercosis (measles)	х	х			х	Х			Х
Schistosomiasis (bilharzia)									
Coccidiosis	Х	х	х	Х	х	Х	Х	Х	
Cryptosporidiosis	х			х	х	X			

Good rainfall occurred in most of the the summer rain fall area and parasite populations are at a high level. Use the five point check to keep on top of what is happening in the flock. For further detail contact your local veterinarian.

http://hulp.landbou.com/kundiges/vra-vir-faffa/vyfpuntplan-en-famacha-stelsel-vir-inwendige-parasietbestuur-in-skape/

https://docs.wixstatic.com/ugd/aded98\_cb447e77eef6450f93a2b23cb0e6b9de.pdf

#### **External parasites**

The following reports were received from practices regarding external parasite infestations:

External parasites	MP	G	L	NW	FS	KZN	EC	wc	NC
Blue ticks	х		х	Х	х	Х	Х	Х	
Resistant blue ticks	х	х			х	Х		Х	
Heartwater ticks	х	х	х	Х		Х	Х		
Brown ear-ticks	х	х	х		х	Х			
Bont-legged ticks	х	х	х	Х	х	Х	Х		Х
Red-legged ticks	х		х	х	х	Х	Х		
Paralysis ticks	х								
Tampans									
Biting lice					х		Х	Х	
Sucking lice					Х		Х		

Itch mites					х				
Sheep scab		х			х		Х		
Mange mites								х	
Nuisance flies	х				х	Х	X	х	
Midges	х		х		х	Х	х		
Mosquitoes			х		х	Х	Х		
Blowflies	х		х		х		х	х	
Screw-worm	х		х	Х	х	Х	Х		
Gedoelstia (uitpeuloogsiekte)									
Nasal bot		х		х	х		Х		

Make sure to assess the blue tick resistance status on your farm before buying tickicides. Your veterinarian will be able to collect engorged blue ticks to be tested for resistance.

Actives to be tested for resistance are: organophosphates, pyrethroids, amidines. Actives registered for controlling blue ticks are: macrocyclic lactones and fluazuron (acaracide growth regulator).

Tick numbers increased after the rains. Below is a list of diseases transmitted by ticks.

#### Tick borne diseases

The following tick borne diseases were reported by practices in the provinces:

Tick borne diseases	MP	G	L	NW	FS	KZN	EC	WC	NC
African red water	X		х	X	Х	Х	X	X	
Asiatic red water	Х	х	х	X	х	Х	х	Х	
Anaplasmosis	Х		х	Х	х	Х	Х	Х	Х
Heartwater	Х	Х	х	X		Х	X		
Lumpy skin disease	Х	х	х	X	х	Х	х	Х	X
Corridor disease						Х			
Theileriosis									

Asiatic red water is spreading and is one of the deadliest diseases in cattle.

Numerous mortalities were reported! The new heartwater vaccine is still a year or two away as registration trials have to be done when the upscaling of vaccine production is accomplished.

The following tick toxicosis was reported by practices in the provinces:

Tick toxicosis	MP	G	L	NW	FS	KZN	EC	WC	NC
Sweating sickness	Х	х	Х	X	Х	x			

#### **Insect transmittable diseases**

The following insect transmittable diseases were reported by practices in the provinces:

Insect transmittable diseases	MP	G	L	NW	FS	KZN	EC	wc	NC
Lumpy skin disease	х	х	х	Х	х	Х	Х	х	Х
Ephemeral fever (Three day stiff sickness)	х	х	х	х	х	Х	Х	х	Х
Blue tongue	х	х	х	х	х	Х	Х	х	
Rift Valley Fever									
Wesselsbron									
Nagana									

During March disease outbreaks of insect transmittable diseases were reported. Standing water is the ideal breeding environment for mosquitoes, the carriers of Rift Valley Fever! Move animals away from rivers and water source if possible. Spray animals with insect repellants such as deltamethrin.

Are your animals vaccinated against Rift Valley Fever?

#### **Venerial diseases**

The following venereal diseases were reported by practices in the provinces:

Venereal diseases	MP	G	L	NW	FS	KZN	EC	wc	NC
Trichomonosis	х			Х	х	Х	Х		
Vibriosis					х		Х	Х	
Pizzle disease		х	х				Х		
Actinobacillus seminis									

New cases of **trichomonosis** are reported every month and this disease is out of control. Make sure to buy bulls from farmers where biosecurity measures are in place and bulls are tested for these diseases at regular intervals.

Make sure that fences are in tact and gates closed so that bulls cannot escape to neighbouring cows that may be infected with *Tritrichomonas* and become infected or infected neighbouring bulls are jumping fences.

Cattle study groups should discuss preventative and control measures with their veterinarians. **Be** sure to test bulls regularly for these diseases.

Beware when buying in or sharing bulls! Remember female animals may also be infected.

Study the Good management SOP's for cattle farmers on the RPO website

http://www.rpo.co.za/wp-content/uploads/2016/04/nuutRPO-NERPO-Code-Addendum.pdf

http://www.rpo.co.za/wp-content/uploads/2016/04/nuutRPO-NERPO-Code-Addendum-4-Good-management-practices-and-SOPs-for-cattle-farmers-1.pdf

#### **Bacterial diseases**

The following bacterial diseases were reported by practices in the provinces:

Bacterial diseases	MP	G	L	NW	FS	KZN	EC	WC	NC
Anthrax									
Blackquarter	х		х	х	Х	Х	х		
Botulism					Х	Х		Х	
Pulpy kidney	х	х	х	Х	Х	Х	х	Х	Х
Lamb dysentery					Х				
Swelled head			х		Х				
Red gut (cattle)	х				Х	Х	х		
Blood gut (sheep)	х				Х		X	X	
Tetanus	х				Х				
Salmonellosis	х				Х	Х	X		
Bovine brucellosis	х		х	х	х				х
Ovine brucellosis (Ram's disease)	х				х		х		
Bovine tuberculosis									
Johne's								Х	
Leptospirosis						Х			
Listeriosis	х				Х	Х		Х	
Pseudomonas									
Fusibacterium necrophorum	х				Х				
Septicaemia					Х	Х	х	Х	х
E. coli	х	х	х	Х	х	Х	х	х	
Enzootic abortion	х				х				
Lumpy wool	х	х			Х				
Uterine gangrene					Х				
Bovine dermatophilosis (Senkobo disease)					Х			х	
Wooden tongue					Х				
Lumpy jaw				х					

Study the table above and determine the risk for animals on your farm. Get advice from your veterinarian on *Cryptosporidium/E. coli* outbreaks in your area and what to do to prevent losses in lambs and calves.

When buying animals this Vendor declaration can help you to minimize risk!

#### **VENDOR DECLARATION BOVINE BRUCELLOSIS**

I hereby declare that I am the legal owner or authorised representative of the cattle on sale and am competent to make this declaration

1	The cattle for sale are clearly and permanently identified	Yes	No
2	The cattle for sale/slaughter were born on my farm	Yes	No
3	The farm has a closed herd policy i.e. I do not buy in cattle, rent out grazing or speculate with cattle	Yes	No

4	I practice bio-security on my farm to a level that is **	Poor	Moderate	Good
5	I vaccinate my heifer calves against Bovine Brucellosis once between the ages of 4 – 8 months		Yes	No
6	In addition I vaccinate my cattle older than 8 months with RB51		Yes	No
7	I have all the cattle on my farm tested for Bovine Brucellosis		Yes (date)	No
8	My herd has been tested negative within the past year		Yes	No
9	I did not buy in cattle since my last negative brucellosis test		Yes	No
10	I/my vet investigates any abortions on my farm		Yes	No
11	To the best of my knowledge, my immediate neighbours and farms in my area are free of Bovine Brucellosis		Yes	No
12	I use a veterinarian to advise me on my cattle's herd health		Yes	No
13	The cattle handling facilities on my farm are	Poor	Average	Good

Note: Vaccination does not mean freedom from Bovine Brucellosis as cattle can still be carriers

Please attach the most recent *Brucella* blood test certificate

Owner or authorised representative:
·
Cianatura
Signature:
Date:

#### \*\* \* Biosecurity

Poor – speculates with cattle, does not vaccinate, poor fences, cattle come into contact with other cattle

Medium – Vaccinates heifers, does not buy in cattle of unknown health status

Good – closed herd/never buys in cattle, vaccinates heifers and no contact with other cattle, follows a herd health plan as advised by his veterinarian, does not allow transport trucks onto property, washes and disinfects truck after returning from the abattoir or auction grounds.

Compiled by: Dr. Sewellyn Davey, Chairman of the Brucellosis Steering committee of the National Animal Health Forum

Vendor's declaration for Ovine Johne's Disease

#### OVINE JOHNE'S DISEASE VENDOR DECLARATION

#### ON THE SALE OF SHEEP

(Updated Draft May 2015)

1.	I hereby declare that I am the owner or authorised representative of the sheep on sale and am competent to make this declaration.	YES	NO
2.	The sheep for sale are clearly identified in the accompanying description.	YES	NO
3.	The sheep for sale were born on my farm.	YES	NO
4.	The farm has a closed flock policy. (No live sheep are brought onto the farm from elsewhere)	YES	NO
5.	I know the signs of the disease and to the best of my knowledge, all of my properties are free of cases of Ovine Johne's Disease. $ \frac{1}{2} \int_{-\infty}^{\infty} \frac{1}{2} \int_{-\infty$	YES	NO
6.	I have actively looked for Ovine Johne's Disease and have had tests done for this.	YES	NO
7.	To the best of my knowledge, my immediate neighbours and farms in my magisterial district of my farm(s) are free of cases of Ovine Johne's Disease.	YES	NO
8.	The sheep on my properties have been vaccinated against Ovine Johne's Disease and are clearly marked with the approved ear tag.	YES	NO
9.	All lambs born are vaccinated	YES	NO
10	.If vaccinated, the number of years that the vaccinations have been done is		years
NC	OTE: Vaccination does not mean freedom from OJD, vaccinated animals can still be carriers		
	atement 8 and 9 apply only to already infected flocks, and such sheep can only be sold to ot		ected
	cks by law.		
	yers should consult their veterinary advisor before any purchases.		
	, 20 20 20 20 20 20 20 20 20 20 20 20 20		
Sig	nature Date	_	
NA	Farm: ME	_	
	District:		
	VNER OR AUTHORIZED PRESENTATIVE	_	
The	e use of this declaration is supported by the following organisations:	24	
	Dobne NERPO LANGESTEIT WAS RECTORD BY RUVASA FOR THE PROPERTY OF P	Í	

#### **Viral diseases**

The following viral diseases were reported by practices in the provinces:

Viral diseases	MP	G	L	NW	FS	KZN	EC	wc	NC
BMC (snotsiekte)	Х	х	х	Х	х	Х			
Rabies (cattle)				Х			х		
BVD			х		х				
IBR									
BRSV									
PI3									
Maedi visna virus									
Rotavirus / Coronavirus	Х					Х			
Enzootic bovine leucosis (EBL)						Х	х		
Sheep leucosis									
Jaagsiekte									
Orf	Х	х	х	Х	х	X	х	х	
Warts	Х		х	Х	х	X	х	Х	Х

There is no treatment for viral diseases with the result that animals have to be protected by vaccinations if they are available.

The snotsiekte vaccine is still in the experimental stage and will hopefully be registered in two years time.

Discuss vaccination programmes and biosecurity measures with your veterinarian.

#### **Fungal diseases**

The following fungal disease was reported by practices in the provinces:

Fungal diseases	MP	G	L	NW	FS	KZN	EC	WC	NC
Ringworm	х		Х	х	х	х		х	

#### **Protozoal diseases**

Protozoal diseases	MP	G	L	NW	FS	KZN	EC	WC	NC
Besnoitiosis (olifantsvelsiekte)									

#### **Toxicities**

The following toxicities were reported by practices in the provinces:

Toxicities	MP	G	L	NW	FS	KZN	EC	wc	NC
Cardiac glycoside				Х				Х	
Slangkop									
Crotularia									
Gifblaar							Х		
Gousiekte									
Cestrum (ink berry)					х				
Tulip	х						Х		

	MP	G	L	NW	FS	KZN	EC	wc	NC
Cynanchum (bobbejaantou)							Х		
Facial eczema					х				
Lantana		х		Х		Х			
Prussic acid				Х			Х		
Senecio				Х	х				
Cotula nigellifolia (stagger wood)									
Geeldikkop (duwweltjies)					х		х	х	
Vermeersiekte	х								
Hertia pallens (Nenta, krimpsiekte)									
Chrysocoma ciliata (bitterbos)									
Solanum incanum (maldronksiekte)									
Gomphocarpus (Asclepias) fruticosus									
(milkweed)									
Bracken fern									
January bush (Gnidia polycephalatus)									
Chinkerenchee									
Eucalyptus (bloekom) bark									
Kikuyu							Х		
Ryegrass									
Ganskweek									
Paspalum staggers									
Phalaris aquaticum (Phalaris staggers)									
Photosensitivity (Turknael, Erodium									
moschatum)									
Photosensitivity (Stellenbosch)									
Lusern									
Mycotoxicosis									
Aflatoxin									
Diplodiosis									
Lupins									
Harpuisbos									
Syringa berries									
Kraalbos, Geelbos (Galenia africana)									
Crotolaria									
Radish									
Carrot poisoning									
Onion poisoning	1								
Bracken fern	1								
Pollen beetle ( Astylus atromaculatus)									
Water contamination	+								
Nitrate	_				х				
Urea				х		х			
Snake bite				<u> </u>	х	<u> </u>			
Moth cocoons (impaction)	+								
Blue green algae	-								
Copper	-								х
	_								
Selenium	l l					1			

Fluoride					
Lead	х				
Paraquat					
Phosamine					
Aldicarb					
Organophosphate					
Zinc phosphide					
Pyrethroid					
Amitraz					
Levamisole					
Ivermectin					
Tilmicosin					
Bromoxynil nitrate					
Ionophor					
Нуро					
Monensin					
Diazinon					
Chicken litter				х	

Beware when buying in animals or moving into rested grazing camps as they are the animals which usually eat toxic plants such as tulp and ink berries (*Cestrum*).

Toxic plants are sometimes eaten by young animals that do not know these plants. Be aware of this situation and know where these plants are growing on the farm.

For further information on treatment of tulp and other poisonings visit:

www.landbou.com

Vra vir Faffa

Klik op Indeks van antwoorde

Klik op Beeste of Skape

Klik op Vergiftigings

Klik op die Opskrifte

Every month there are reports of urea poisoning. Be aware when feeding this product that the correct concentration is used and that the lick does not get wet!

The following deaths due to toxic plants and substances were reported: ink berries, duwweltjies, gifblaar, Lantana, vermeersiekte, diazinone and lead (batteries).

Research are being done to control Lantana:

We would like to investigate involvement of your readers and yourself in the development of a National Programme for Management of Lantana similar to the attached National Programme for

Management of Parthenium. Our focus would be on the biological control of the species, however, farmers, landowners and communities would be interested in an integrated approach to the management of the species. Please do bear in mind that the rust-fungus will unfortunately not be a 'silver-bullet' as it is likely to impact some subspecies more than others and work better in some micro-climates than others..

Please can we consider how your readers would be able to contribute to the development of a National Programme? One element would be accurate mapping of the distribution of Lantana. If readers could be encouraged to report locations of Lantana then a more comprehensive map of its distribution would be feasible (we need to make sure that this is done in a co-ordinated fashion and using technology that allows for accuracy and ease of data collection (smart phone application to geographically referenced database – which would need to be set up and managed).

Encouraging readers to give input into a National Programme would result in greater support for its implementation. We would need to make sure that this is not too tedious a process.

Encouraging readers to be aware of the biological control agents that are out there already would also be useful. Again this could be reported using photographs and submitting these to a central database.

It would also be good if we could have landowners who would be willing to have 'biological control reserves' on their property. This would mean setting aside land that is infested by Lantana and ensuring that it is not cleared for any reason. The biological control agents would then be allowed to multiply in this area under the 'protection' of the landowner.

I write on behalf of Biological Control researchers at the Agricultural Research Council – Plant Protection Research Institute and at the Centre for Biological Control at Rhodes University.

http://www.ru.ac.za/centreforbiologicalcontrol/

Philip Ivey [mailto:P.Ivey@ru.ac.za]

#### **Nutritional deficiencies**

The following nutritional deficiencies were reported by practices in the provinces:

Deficiencies	MP	G	L	NW	FS	KZN	EC	WC	NC
Energy		х			Х			Х	Х
Protein		х			Х		х	Х	Х
Phosphate					Х		Х		Х
Calcium		х			Х	Х		Х	

#### Micro-nutritional deficiencies

The following micro-nutritional deficiencies were reported by practices in the provinces:

Deficiencies	MP	G	L	NW	FS	KZN	EC	WC	NC
lodine									
Copper					Х				
Zinc									
Selenium		х		Х					х
Magnesium									
Manganese									
Vitamin A				Х					
Vitamin B 1									

There are antagonists such as calcium, iron and sulphur which hamper the uptake of microminerals. Have water and soil samples analysed to see what the levels of these antagonists are. Arrange with your veterinarian to have liver samples analysed to determine the status of these micro-minerals in your herd or flock.

Beware of fluoride poisoning as borehole water levels drop.

Supplement animals with vitamin A during drought conditions.

#### Multifactorial diseases and other conditions

The following conditions were reported by practices in the provinces

Multifactorial diseases and other conditions	MP	G	L	NW	FS	KZN	EC	WC	NC
Abortions	х	Х	Х	х	х	х		х	
Stillbirths					х	х		х	
Abscesses	Х	х	X	х	X	Х	х	Х	Х
Intestinal ulcers									
Bladder stones –urolithiasis								X	
Blindness					X	Х		Х	Х
Bloat	Х	х			X	Х		Х	
Blue udder				х	х			Х	
Diarrhoea	х	х	Х	х	х	Х	х	Х	
Epididymitis	Х							Х	
Eye cancer					х	Х		Х	
Eye infections	х	х	X	х	х	Х	х	Х	
Joint ill	х	х	х	х	х	Х	х		
Lameness/foot problems	х	х		х	х	Х	х	Х	
Lung infection	х	х	х	х	х	Х	х	Х	х
Mastitis	х	х		х	х	Х	х	Х	
Navel ill	Х			х	Х	Х		Х	
Red gut (sheep, torsion of gut)									
Rectal prolaps									
Trauma			х		х		х		
Teeth wear									
Plastic bags (ingestion)									
Downer	Х	х			Х	Х		Х	
Anaphylactic shock							х		

Discuss the origin, treatment and prevention of these diseases with your veterinarian.

#### **Metabolic diseases**

The following diseases were reported by practices in the provinces:

Metabolic diseases	MP	G	L	NW	FS	KZN	EC	wc	NC
Acidosis		х		Х	X	Х	Х	Х	
Displaced abomasums						х		х	
Ketosis (Domsiekte)					Х	Х		х	
Milk fever					Х	Х		Х	

Make sure that you adapt animals to feed containing concentrates.

Discuss the etiology, treatment and prevention of these diseases with your veterinarian.

#### **Reproductive diseases**

Reproductive diseases	MP	G	L	NW	FS	KZN	EC	wc	NC
Dystocia (difficult births)	х	х	х	Х	х	Х	Х	Х	Х
Endometritis					Х	X		Х	
Hydrops									
Metritis	х			x	х	x	х	x	
Poor conception	х				х	х	х	х	х
Retained afterbirth	х			Х	х	X	х	Х	
Sheath prolaps	х					X			
Uterine prolaps					Х	X		Х	
Vaginal prolaps	х	х			Х	X		Х	
Penis injury									
Orchitis									

#### **Environmental conditions**

	MP	G	L	NW	FS	KZN	EC	wc	NC
Exposure to cold	х				Х				
Frozen to death									
Heat stress								Х	
Lightning	х			Х	Х	Х	Х		
Drought							Х	Х	

#### **Other conditions**

	MP	G	L	NW	FS	KZN	EC	wc	NC
Drug residues (milk, meat, liver, kidney etc)									

Preditors				Х			х	
Theft				х	Х	х		
Traumatic pericarditis			х	Х		х		
(wire in fore stomachs)								
Trauma (fractures etc)	Х	х			Х			
Trauma (veldfires)								

In the CODE OF CONDUCT of the RPO the following standard operating procedures are documented. The local veterinarian should be your partner to help you achieve the necessary standards. http://www.rpo.co.za/BestPractices/English.aspx

#### PRECAUTIONARY MEASURES TO SUPPORT BIO-SECURITY.

Precautionary measures are required to protect the herd against diseases acquired because of external contact. The following categories are of concern:

#### 1. DIRECT LIVESTOCK PURCHASES (and own animals returning):

The following should be *verified* before importing new animals into the herd:

How long animals have resided at the purchase or previous location?

Have there been any recent disease outbreaks in the location?

Do brand marks clearly confirm ownership?

Was a vaccination program followed (need paper or veterinarian proof). What are the local prevalent external parasites and the routinely implemented control program? Is a veterinarian supported control program against transmittable diseases followed? Dates and sufficient number of tests for reproductive diseases of both male and female Dates and tests for zoonotic diseases

The above should also be verified with the purchaser's own veterinarian.

#### 2. PURCHASES FROM SALES OR SPECULATORS

Purchase only in areas which are not in close proximity to scheduled areas Visually inspect the animals before purchasing for:

- \* brand marks
- \* parasite infestation

#### 3. TRANSPORT TO THE FARM

Use only reputable transporters

Has the truck been cleaned and disinfected?

Truck to follow the shortest uninterrupted route

Truck to take the shortest route to the handling facilities

Do not allow the truck personnel to get in contact with the farm herd

#### 4. ARRIVAL ON THE FARM

Off-load the livestock to limit stress and to be visually evaluated for any unnatural conditions.

Isolate them from the farm herd and shared facilities for at least 21 days (quarantine)
Retest for diseases of concern if needed, before mixing with the rest of the herd
Process new arrivals within 24 hrs after arrival (unique ID tag brand, dip, dose, vaccinate)
Inspect regularly

#### **5. FEED PURCHASES**

Ensure bales of hay are sourced from areas that are not bordering scheduled areas

Purchase feed from reputable dealers only

Avoid buying feed in second hand bags

Ensure feed trucks are also disinfected and cleaned, especially if also used to transport animals to abattoirs

#### 6. VISITORS

Do not allow strangers or their vehicles amongst the livestock Ensure fences are well maintained and preferably jackal and warthog proof

#### 7. EMPLOYEES

Do not allow the employees to eat in feed stores

Supply employees with sufficient ablution facilities

Regularly arrange to let employees be medicated for tape worm and have health check-ups

Keep record of all employee livestock on the property

Treat employee livestock with separate but dedicated health programs

Ensure employees understand the reason behind the implemented bio-security measures to help ensure compliance.

#### **GENERAL AND REPRODUCTION MANAGEMENT**

Record keeping: All animals are individually identified and recorded.

To prove ownership: All animals are marked with the registered brand mark according to the Animal Identification Act, No 6 of 2002.

A defined breeding season is the basis of effective management: The breeding season coincides with the rainy season, i.e. the period when nutritive value of the pasture is at its best.

Sufficient energy reserves in the herd as measured by condition scoring are vital, especially for effective breeding, and when inadequate the herd is supplemented in consultation with a nutritionist: Condition scoring of bulls and cows are regularly done, particularly at the onset of the breeding season and supplemented if necessary.

Bull - cow ratios are maintained: A ratio of 1 to 25 is maintained in every separate herd.

Fertility of breeding bulls: All breeding bulls are tested for mating ability and semen quality before the breeding season.

Sexually transferable diseases: Sheath washes or scrapes on bulls are performed annually.

Diseases that can cause poor conception, abortion or weak calves: Cows are vaccinated against such diseases in consultation with the veterinarian.

Breeding success monitored by a veterinarian: Rectal pregnancy or scan diagnosis is done by the veterinarian 8 weeks after the breeding season.

Twenty percent of cows or more not pregnant: Further tests are done to determine cause of low pregnancy rate.

Culling of non-pregnant cows: Non-pregnant cows are removed from the herd and considered a necessary bonus to supporting herd income.

#### HERD HEALTH AND BIO-SECURITY

Maintenance of herd health is key to a successful enterprise: A veterinarian should visit the farm biannually at least.

Calf mortality before 3 months of age is an important reason for poor weaning percentage: Good management practices are applied to limit early calf deaths.

Some diseases and parasites (internal and external) are more often encountered in specific areas: Annual vaccinations and a parasite control program should be applied according to regional requirements and in liaison with the veterinarian.

Farmers selling weaned calves to feedlots may want to have a market advantage compared to others: A specific vaccination program is applied before weaning for that purpose.

Herds may be at risk of being exposed to CA and TB: The herd is tested annually for CA and all heifers are vaccinated against CA between 4 and 8 months of age with an efficient, approved remedy. The herd is tested at least every 5 years for TB

Precautionary measures are required to prevent diseases being imported into the herd: A quarantine program to keep incoming animals separate is followed. All incoming animals have a suitable certificate of negative test results or are of a certified clean, closed herd.

Stock remedies and medicines should be registered, correctly stored and used before the transpire date: All medicines and stock remedies are registered, stored and applied according to prescription. Prescribed medicines with a specific application are under the control of the veterinary profession: All prescription medicines are obtained and applied under prescription from a veterinarian.

#### Practices that had nothing to report

George – Dr. Mark Chimes
Jeffreys Bay – Dr. Alf Lategan
Nigel – Dr. Cindy van der Westhuizen
Trompsburg – Dr. Wyn Irwin
Paarl – Dr. Dirk Triegaardt
Stellenbosch – Dr. Annelie Cloete
Vanderbijlpark – Dr. Kobus Kok
Vryburg – Dr. Jurie Kritziger

### **Equines Gauteng**

Magaliesburg

Encephalosis – suspected case Theileriosis

**Pretoria** 

Brown ear-ticks - 1

#### Limpopo

Mokopane (Potgietersrus)

Bont ticks – 1 Brown ear-ticks – 3 Screw-worm – 1

#### **North West**

Stella

Rabies - Jackal

#### **Free State**

**Parys** 

Snake bite (puff-adder)

#### **Eastern Cape**

#### Humansdorp

African Horse Sickness - 1

#### **Port Alfred**

#### **Uitenhage**

African Horse Sickness - 2

#### **Northern Cape**

#### Colesberg

African Horse Sickness - 1

#### Kimberley

African Horse sickness - 1

#### Game

#### **Mpumalanga**

#### Gauteng

#### **Karino**

Ticks – High tick burdens in zebra and sable probably management related

#### **Pretoria**

Intestinal roundworms - 3

Bont tick – 3

Bont-legged tick – 3

Abscesses – 2

#### Limpopo

#### Bela-Bela

Wound – Eland, caused by ticks

Wound – Buffalo cow, fighting

#### Mokopane (Potgietersrus)

Blue ticks - 1

Bont ticks - 1

Brown ear-ticks - 3

Bont-legged ticks - 1

Screw-worm – 1

Eyes - 1

#### Polokwane

Intestinal roundworms – 3

Resistant roundworms - 3

Brown ear-tick - 3

Bont-legged tick -3

Coccidiosis – 1 Diarrhoea - 1

Eye infection - 1

#### Vaalwater

Botulism – Three giraffe

Tick burdens – 3 out of 5

#### **North West**

#### **Klerksdorp**

Blue ticks-2

Red-legged ticks – 2

Bont–legged ticks – 2

Coccidiosis – Nyala's died

Trauma – fighting rams (blesbuck, nyala) Hoof abscesses - Nyala **Stella** Rabies – Jackal 2

KwaZulu-Natal
Underberg
Capture myopathy – Eland 1
Vryheid
Capture myopathy – Tsesebe 2

#### **Northern Cape**

Kimberley

Verminosis - Roan

Free State Vrede Lungs – 3 Diarrhoea - 3

#### Dogs

North West Lichtenburg Mango flies

# Monthly report on Livestock and Wildlife isolations for March 2018 from Vetdiagnostix – Microbiology Laboratory, supplied by dr. Marijke Henton (henton@vetdx.co.za)

#### Vetdiagnostix Bacteriology, March 2018

Transtracheal aspirates from feedlot cattle yielded *Pasteurella multocida* [11], *Mannheimia haemolytica* [7], *Mycoplasma* [7], *Histophilus somni* [6], *Mannheimia varigena* [2], *Mannheimia* taxon 10 and *Trueperella pyogenes* [2]. *Trueperella pyogenes* was also isolated from a case of abortion, vaginal discharges [the other two being caused by *Streptococcus zooepidemicus* and *S. uberis*], and an abscess [the other abscess was caused by a combined infection of an ESBL positive *E. coli* and a methicillin resistant *Staphylococcus epidermidis*]. *Salmonella* Dublin caused one case of septicaemia, and another was caused by an ESBL producing *E. coli*. Extended Spectrum Beta Lactamase producers are resistant to all the penicillins and cephalosporins, and usually resistant to many other antibiotics as well. They can be classified into MDR – Multidrug resistant, XDR – Extensively drug resistant or TDR – Totally drug resistant, depending on how many antibiotics, that can be used in the animal species, the isolate is resistant to.

Calf enteritis was due to a combination of *E. coli* and *Cryptosporidium* in 4 cases. Two of the *E. coli* isolates were ESBL producers. Many *Cryptosporidium* cases are treated with antibiotics, even though *Cryptosporidium* is not susceptible to antibiotics. The unnecessary use of antibiotics in those cases, results in the selection of resistant strains of *E. coli*. There were also single cases of enteritis due to

*Cryptosporidium* alone, and *E. coli* alone. Three cases of enteritis in adults were associated with *Clostridium perfringens*.

Mastitis was associated with *Corynebacterium afermentans*, an opportunist of man and animals, and another with *E. coli*. Six cases of clostridial myositis were caused by *Clostridium novyi*.

Enteritis in lambs was caused by a combination of *Cryptosporidium* and *E. coli* in three cases, and another two cases [one was ESBL positive] where only *E. coli* could be detected. Enteritis in goats was caused by *E. coli* and *Cryptosporidium*, *E. coli* alone, and *Clostridium perfringens*.

Corynebacterium pseudotuberculosis caused abscesses in a sheep and a goat and Trueperella pyogenes in a sheep. An abortion was due to Histophilus somni. Mastitis was due to Staphylococcus aureus in one case, and an ESBL producing Enterobacter in another. The OBP Blue Udder vaccine contains two Staphylococcus aureus strains, and could be tried when S. aureus is the cause.

A pig with enteritis yielded E. coli.

A springbok had a post-operative infection due to a combined infection with a methicillin resistant *Staphylococcus aureus* [MRSA] and *Streptococcus dysgalactiae*. *Streptococcus suis* was isolated from a buffalo with pneumonia.

# Feedlot report received from Drs. Shaun Morris and Eben du Preez for March 2018 (edupreez1@telkomsa.net)

Condition	Comments and Specie
Intestinal roundworms	03
Liver fluke worms	В3
Parafilaria	В 3
Cysticercosis (measles)	В 3
Blue ticks	В 3
Heartwater tick	В3
Brown ear-tick	B 2
Bont-legged tick	B 3
Red-legged tick	B,O 3
Midges	B,O 3
African red water	В 3
Asiatic red water	В 3
Anaplasmosis	В3
Lumpy skin disease	В 3
Ephemeral fever (3 day stiff sickness)	В 3
Blue tongue	0 1
Quarter evil	B 1
Swelle head	01
Red gut	В3
Blood gut	03
Leptospirosis	Bd 1

Pulpy kidney	03
Lumpy wool	03
FSE	O 3
E. coli	B,O 3
Ringworm	В 3
IBR	B 1
Warts	В 3
Orf	0 1
Protein deficiency	В 3
Energy deficiency	B 3
Phosphate deficiency	В 3
Zinc deficiency	В 3
Joint ill	B 2
Lameness	В,О 3
Lungs	В,О 3
Diarrhoea	В,О 3
Eye infection	B,O 3
Abscesses	B,O 3
Trauma	B,O 3
Pericarditis	B 3, O 2

#### Reported by farmers:

Bovine: Acidosis, many cases during bad weather.

#### Monthly report for March 2018 from Dr R D Last (BVSc; M.Med.Vet(Path); MRCVS)

#### Specialist Veterinary Pathologist, Vetdiagnostix - Veterinary Pathology Services

Contributors

Mr Butch Bosch, Ms Ntando Magoso, Mrs Beverley Williams, Ms Nicole Genga, Dr Rick Last

LIVESTOCK DISEASE SURVEILANCE							
LIVESTOCK SPECIES	DISEASE AGENT	NO. CASES	LOCATION				
Bovine, Calf	Calf paratyphoid (S.dublin)	1	East Griqualand, E Cape				
Bovine, Adult Bull	Lumpy Skin Disease	1	Dundee, KZN				
Bovine, Dairy Heifer	Lumpy skin disease	1	East London, E.Cape				
Bovine, Beef	Clostridium novyi	1	East London, E.Cape				
Bovine Beef x 2	Clostridium novyi	1	East London, E. Cape				
Bovine, Beef Cow	Microcystis poisoning	1	Mooi River, KZN				
Bovine , Beef Heifer	Babesiosis potentiating gousiekte	1	Dundee, KZN				

WILDLIFE DISEASE SURVEILANCE						
		NO.				
WILDLIFE SPECIES	DISEASE AGENT	CASES	LOCATION			

Roan Antelope, Calf 10	Neonatal pancytopaenia with hemorrhagic		
days	diathesis	1	Dwalboom, Limpopo
Cheetah, Juvenile			Port Elizabeth, E.
Female	Pancreatitis	1	Cape

# Monthly report for March 2018 from Queenstown Provincial Veterinary Laboratory as supplied by Dr. A.D. Fisher (alan.fisher@drdar.gov.za)

Condition	Area	Comments and Specie
Intestinal roundworms		03
Resistant roundworms		03
Echinococcus cysts		B,O,C 3
Lumpy skin disease	Cofimvaba	В 3
	Tarkastad	
Three day stiff sickness	Queenstown	B 2
	Cofimvaba	
Blue tongue	Cathcart	03
	Stutterheim	
Heartwater	Cofimvaba	01
Enterotoxaemia	Queenstown	01
Coccidiosis		01
Rabies	Mthatha	Canine 1
	Port St. Johns	Canine 1
	Qumbu	Bovine 1
	Dutywa	Bovine 2
Geel Dikkop ( <i>Tribulus</i> )		01

#### Notes:

Rabies: Onging outbreak in Eastern Cape (Mthatha, Qumbu, PSJ, Dutywa)

Rabies – Canine, bovine – ongoing outbreak in Eastern Cape (former Transkei)

Lumpy skin disease - Large outbreak in Cofimvaba, Tarkastad, sporadic cases elsewhere

Three day stiff sickness - A number of cases reported from Queenstown and Cofimvaba

Blue tongue - Numerous cases from Stutterheim and Cathcart

B – bovine; O – ovine; C – caprine; P – pigs; G – game

1 = one case; 2 = 2 to 9 cases; 3 = more than 10 cases

#### **DISEASE DISTRIBUTION REPORT AS REPORTED BY VETERINARIANS**

#### **Table of Contents**

<u>Internal Parasites</u>	Roundworms in general, Resistant Round Worms, Wireworm, Brown stomach-worm, Nodular worm, Tape Worms, Parafilaria, Liver fluke, Conical Flukes, Cysticercosis
External Parasites	Blue ticks, Resistant blue Ticks, Heartwater (Bont) ticks, Brown earticks, Bont-legged ticks, Red-legged ticks, Biting lice (red lice), Sucking lice (blue lice), Scab mites, Mange Mites, Nuisance Flies, Blowflies, Screw-worm, Nasal bot larvae, Midges, Mosquitoes, Itch mite
<u>Tick-borne Diseases</u>	African red water, Asiatic red water, Anaplasmosis, Heartwater, Sweating Sickness, Corridor disease
Insect Transmittable Diseases	Lumpy skin disease, Three-day-stiffsickness, Blue tongue
Venereal Diseases	Trichomonosis, Vibriosis, Pizzle disease
Bacterial Disease (other)	Blackquarter, Botulism, Pulpy Kidney, Lamb dysentry, Swelled head disease, Redgut (cattle), Blood gut (Sheep), Tetanus, Salmonellosis, Brucella abortus, Brucella ovis, Johne's disease, Septicaemia, E.coli, Enzootic Abortion, Dermatophilosis (Lumpy Wool), Intrauterine Gangrene, Bovine Dermatophilosis (Senkobo disease), Fusibacterium necrophorum, Listeriosis, Other
Protozoal diseases (other)	Coccidiosis, Cryptosporidium
Fungal diseases	Ringworm
<u>Viral Diseases (other)</u>	BMC, BVD (Bovine viral diarrhoea), Enzootic Bovine Leucosis (EBL), Orf, Warts, Rota virus, Corona Virus, Other viral disease not listed
Poisonings (Plant) and Fungal	Cardiac glycoside poisoning, <i>Cestrum, Cynanchum</i> poisoning, Facial eczema, Geeldikkop/Dikoor, Gifblaar, Kikuyu poisoning, <i>Lantana</i> , Nitrate poisoning, Prussic acid poisoning, Seneciosis, Tulip Poisoning, Vermeersiekte ( <i>Gaigeria</i> spp.)
Poisonings	Urea Poisoning, Snake Bite, Copper Poisoning, Other
Macro Nutritional Problems	Energy deficiency, Protein deficiency, Phosphate deficiency, Calcium deficiency
Micro Nutritional Problems	Copper deficiency, Selenium deficiency, Vitamin A deficiency
Multi-factorial Disease Conditions	Abortions, Stillbirths, Abscesses, Abscesses in general, Bladder stones, Blindness, Bloat, Blood gut (sheep and goat), Blue udder, Diarrhoea, Epididymitis, Eye Cancer, Eye infections, Joint Ill, Lameness/Foot Problems, Lung infection, Mastitis in general, Navel Ill, Redgut (Sheep), Trauma, Downer, Other
Metabolic Diseases	Acidosis, Displaced abomasum, Ketosis, Milk Fever
Reproductive diseases	Dystocia (Difficult Births), Endometritis, Metritis, Poor conception, Retained afterbirth, Sheath Prolaps, Uterus prolaps, Vaginal (Cervical) prolaps
Climatical Cause	Cold exposure, Drought, Heat stress, Lightning

Non c	nacitic	diseases
14011 3	Decilie	uiscases

Cause of death not established, Preditors, Sabotation - Theft, Trauma

Internal Parasites									
Roundworms in general									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.9 (7)	2.0 (4)	2.5 (4)	1.8 (4)	2.7 (13)	2.5 (6)	1.7 (10)	2.5 (4)	
Level of impo	Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases								

reported

Beef	2.0 (1)				2.0 (2)				
Sheep	1.8 (4)	2.0 (3)	2.5 (2)	1.7 (3)	2.8 (11)	2.5 (4)	1.7 (7)	2.5 (4)	
Goat	2.0 (2)	2.0 (1)	2.5 (2)	2.0 (1)		2.5 (2)	1.7 (3)		

#### Mpumalanga

#### **Balfour, Balfour Dierekliniek**

Beef: 2, Sheep: 2, Goat: 2

#### Middelburg, Middelburg Dierehospitaal

Sheep: 1

#### **Nelspruit, Nelspruit Animal Hospital**

Goat: 2

#### Piet Retief, Pets Vet Hospital

Sheep: 2

#### **Volksrust, Cape Cross Volksrust Dierehospitaal**

Sheep: 2 Gauteng

#### **Bapsfontein, Bapsfontein Dierehospitaal**

Sheep: 2

#### **Pretoria, Anima Veterinary Consulting Rooms**

#### Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Sheep: 1, Goat: 2

Limpopo

#### Polokwane, Pietersburg Veterinary Clinic

Sheep: 3, Goat: 3

#### **Tzaneen, Tzaneen Dierekliniek**

Sheep: 2, Goat: 2

**North West** 

#### Christiana, Christiana Dierehospitaal

Sheep: 2, Goat: 2

#### Klerksdorp, Klerksdorp Dierehospitaal

#### Lichtenburg, Dr CM Kruger-Rall

Sheep: 1

#### **Free State**

#### **Bethlehem, Freestate Bethlehem SV**

#### **Bloemfontein, Dr Stephan Wessels**

Sheep: 3

#### Clocolan, Clocolan Dierekliniek

Sheep: 3
·
Frankfort, Frankfort Dierekliniek Sheep: 3
•
Harrismith, Harrismith Dierehospitaal
Beef: 1, Sheep: 3
Hoopstad, Hoopstad Dierekliniek
Beef: 3, Sheep: 3
Kroonstad, Kroonstad Dierehospitaal
Sheep: 3
Viljoenskroon, Viljoenskroon Dierekliniek
Sheep: 3
Villiers, Wilgepoort Dierekliniek Vennootskap
Sheep: 3
Vrede, Vrede Dierehospitaal
Sheep: 2
Wesselsbron, Wesselsbron Dierekliniek
Sheep: 2
Kwazulu-Natal
Estcourt, Estcourt Vet Clinic
Sheep: 3, Goat: 3
Howick, Howick Veterinary Clinic
Sheep: 2, Goat: 2
Underberg, Underberg Veterinary Surgery
Sheep: 2
Vryheid, Vryheid Privaat Veeartse
Sheep: 3
Eastern Cape
Aliwal North, Hertzogbrug Dierekliniek
Sheep: 1
Graaff-Reinet, Camdeboo Veterinary Clinic
Sheep: 2, Goat: 2
Graaff-Reinet, Graaff Reinet Veterinary Clinic
Sheep: 1, Goat: 1
Grahamstown, Ikhala Veterinary Wildlife Services
Sheep: 2, Goat: 2
Middelburg (EC), Steynsburg Dierehospitaal
Sheep: 3
Uitenhage, Uitenhage Dierehospitaal
Sheep: 1
Witelsbos, Witelsbos Veterinary Consulting Rooms
Sheep: 2
Western Cape
Beaufort West, Beaufort Dierekliniek
Sheep: 3
Caledon, Overberg Veterinary Hospital
,
Sheep: 2
George, George Animal Hospital
Sheep: 3
Heidelberg (WC), Heidelberg Dierekliniek
Sheep: 2
Resistant Round Worms
Resistant Round Worms

Resistant Round Worms									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.5 (4)	1.5 (2)	3.0 (2)	1.5 (2)	1.9 (8)		1.0 (1)	3.0 (1)	

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported 1.5 1.5 (4) 1.5 (2) 3.0(1) 3.0(1) Sheep **(2)** (8) 3.0(1) 1.0(1) Goat Mpumalanga **Balfour, Balfour Dierekliniek** Sheep: 1 Middelburg, Middelburg Dierehospitaal Sheep: 1 Standerton, Econovet Sheep: 2 **Volksrust, Cape Cross Volksrust Dierehospitaal** Sheep: 2 Gauteng **Bapsfontein, Bapsfontein Dierehospitaal** Sheep: 1 **Pretoria, Anima Veterinary Consulting Rooms** Sheep: 2 Limpopo Polokwane, Pietersburg Veterinary Clinic Sheep: 3, Goat: 3 **North West** Klerksdorp, Klerksdorp Dierehospitaal Sheep: 1 Leeudoringstad, Leeudoringstad Dierekliniek Sheep: 2 **Free State Bloemfontein, Dr Stephan Wessels** Sheep: 3 Harrismith, Harrismith Dierehospitaal Sheep: 2 **Hoopstad, Hoopstad Dierekliniek** Sheep: 3 Ladybrand, Ladybrand Sheep: 1 **Memel, Memel Veterinary Clinic** Sheep: 3 **Reitz, Riemland Dierehospitaal** Sheep: 1 Vrede, Vrede Dierehospitaal Sheep: 1 Wesselsbron, Wesselsbron Dierekliniek Sheep: 1 **Eastern Cape Graaff-Reinet, Camdeboo Veterinary Clinic** Goat: 1 **Western Cape George, George Animal Hospital** Sheep: 3

Wirewori	m								_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (6)	2.0 (1)	3.0 (1)	2.5	2.6	2.5 (6)	1.8 (6)	3.0 (1)	3.0 (1)

				(2)	(14)				
	ortance scale: 1	= one cas	se, 2 = mor	e than or	ne case l	out less than	ten and 3	= more tha	n 10 cases
reported									
					2.0				
Beef						3.0 (1)			
					(2)				
Sheep	2.0 (5)		3.0 (1)	2.5 (2)	2.7 (12)	2.3 (3)	2.0 (4)	3.0 (1)	3.0 (1)
Goat	2.0 (1)	2.0(1)			'	2.5 (2)	1.5 (2)		
Mpumalang	a	'							
	hal Diereklinie	k							
Sheep: 1									
	regloed Veter	inêre Spr	eekkamer						
Sheep: 2									
Nelspruit, N	lelspruit Anim	al Hospit	al						
Goat: 2									
	Pets Vet Hosp	oital							
Sheep: 2									
Standerton,	, Econovet								
Sheep: 3		_							
	Cape Cross Vo	lksrust Di	erehospit	aal					
Sheep: 2									
Gauteng									
	raal, Themba	Animal Cl	inic						
Goat: 2									
Limpopo	Jambers D'	lelie: ! = !							
	louberg Diere	Kiiniek							
Sheep: 3									
10 sheep North West									
	Dierekliniek								
Sheep: 2	Dielekiiillek								
	stad, Leeudor	ingetad D	iereklinie	k					
Sheep: 3	July Leeduol	ystau D	.c. crimic						
Free State									
	ocolan Dierek	liniek							
Sheep: 3									
	Dosvrystaat D	iere Prod	ukte						
Beef: 1	•								
Frankfort, F	rankfort Dier	ekliniek							
Sheep: 3									
	<b>Harrismith Di</b>	erehospi	taal						
Sheep: 3									
	e, Hertzogville	Diereklii	niek						
Sheep: 3									
	Hoopstad Dier	ekliniek							
Beef: 3, Shee	•								
	Kroonstad Die	erehospit	aal						
Sheep: 3									
Ladybrand,	Ladybrand								
Sheep: 2		<b>6</b> 11 1							
	nel Veterinary	Clinic							
Sheep: 3	land Dir.								
	land Dierehos	pitaal							
Sheep: 2									
C									
<b>Senekal, Se</b> Sheep: 2	nekal Dierekli	iniek							

Villiers, Wil	gepoort Dierel	kliniek Ve	nnootskap	)					
Sheep: 3									
Wesselsbro	n, Wesselsbro	n Dierekli	niek						
Sheep: 2									
Kwazulu-Na	atal								
Dundee, En	dumeni Herd l	nealth							
Beef: 3, Shee	ep: 3								
	tcourt Vet Clir	nic							
Sheep: 2, Go	at: 3								
Howick, Ho	wick Veterina	ry Clinic							
Sheep: 2, Go		-							
Eastern Cap	е								
<b>Aliwal Nort</b>	h, Hertzogbru	g Diereklii	niek						
Sheep: 2									
Cradock, Cr	adock Veterin	ary Clinic							
Sheep: 3									
<b>Graaff-Rein</b>	et, Camdeboo	Veterina	ry Clinic						
Sheep: 1, Go			•						
	wn, Ikhala Vet	erinary W	ildlife Ser	vices					
Sheep: 2, Go									
Western Ca									
	orge Animal H	ospital							
Sheep: 3									
Northern Ca	ape								
	Karoo Veterina	arv Hospit	al:						
Sheep: 3									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
PROVINCE Average	Mpumalanga	Gauteng	Limpopo				Cape		
Average	Mpumalanga ortance scale: 1			West	State	Natal	<b>Cape</b> 1.6 (5)	<b>Cape</b> 1.5 (2)	Cape
Average  Level of impo				West	State	Natal	1.6 (5) ten and 3	<b>Cape</b> 1.5 (2)	Cape
Average  Level of imporeported  Sheep  Goat	ortance scale: 1			West	State	Natal	1.6 (5) ten and 3	1.5 (2) = more than	Cape
Average  Level of imporeported  Sheep  Goat  Eastern Cap	ortance scale: 1	= one case	e, 2 = more	West	State	Natal	1.6 (5) ten and 3	1.5 (2) = more than	Cape
Average  Level of imporeported  Sheep  Goat  Eastern Cap	ortance scale: 1	= one case	e, 2 = more	West	State	Natal	1.6 (5) ten and 3	1.5 (2) = more than	Cape
Average  Level of imporeported  Sheep  Goat  Eastern Cap Graaff-Rein Sheep: 1, Go	ortance scale: 1  De let, Camdeboo	= one case  Veterinal	e, 2 = more	West e than or	State	Natal	1.6 (5) ten and 3	1.5 (2) = more than	Cape
Average  Level of imporeported  Sheep  Goat  Eastern Cap Graaff-Rein Sheep: 1, Go Grahamston	ortance scale: 1  De  et, Camdeboo at: 1 wn, Ikhala Vet	= one case  Veterinal	e, 2 = more	West e than or	State	Natal	1.6 (5) ten and 3	1.5 (2) = more than	Cape
Average  Level of impore reported  Sheep  Goat  Eastern Cap Graaff-Rein Sheep: 1, Go Grahamston Sheep: 2, Go	ortance scale: 1  oe eet, Camdeboo at: 1 wn, Ikhala Vet at: 2	= one case  Veterinal  Eerinary W	e, 2 = more ry Clinic fildlife Ser	West e than or	State	Natal	1.6 (5) ten and 3	1.5 (2) = more than	Cape
Average  Level of impore reported  Sheep  Goat  Eastern Cap Graaff-Rein Sheep: 1, Go Grahamston Sheep: 2, Go Stutterheim	ortance scale: 1  De  et, Camdeboo at: 1 wn, Ikhala Vet	= one case  Veterinal  Eerinary W	e, 2 = more ry Clinic fildlife Ser	West e than or	State	Natal	1.6 (5) ten and 3	1.5 (2) = more than	Cape
Average  Level of impore reported  Sheep  Goat  Eastern Cap Graaff-Rein Sheep: 1, Go Grahamstov Sheep: 2, Go Stutterhein Sheep: 2	ortance scale: 1  oe  et, Camdeboo at: 1 wn, Ikhala Vet at: 2 n, Stutterheim	= one case  Veterinar  verinary W	e, 2 = more ry Clinic fildlife Ser	West e than or	State	Natal	1.6 (5) ten and 3	1.5 (2) = more than	Cape
Average  Level of imporeported  Sheep  Goat  Eastern Cap Graaff-Rein Sheep: 1, Go Grahamstov Sheep: 2, Go Stutterheim Sheep: 2 Deaths on 2	ortance scale: 1  oe  et, Camdeboo at: 1 wn, Ikhala Vet at: 2 n, Stutterheim neighbouring fai	= one case  Veterinar  verinary W	e, 2 = more ry Clinic fildlife Ser	West e than or	State	Natal	1.6 (5) ten and 3	1.5 (2) = more than	Cape
Average  Level of imporeported  Sheep  Goat  Eastern Cap Graaff-Rein Sheep: 1, Go Grahamstov Sheep: 2, Go Stutterhein Sheep: 2 Deaths on 2 of Western Cap	ortance scale: 1  oe  et, Camdeboo at: 1 wn, Ikhala Vet at: 2 n, Stutterheim neighbouring fai	= one case Veterinar erinary W Veterinar	e, 2 = more ry Clinic //ildlife Ser	West e than or	State	Natal	1.6 (5) ten and 3	1.5 (2) = more than	Cape
Average  Level of imporeported  Sheep  Goat  Eastern Cap Graaff-Rein Sheep: 1, Go Grahamston Sheep: 2, Go Stutterheim Sheep: 2 Deaths on 2 in Western Cap Heidelberg	ortance scale: 1  oe  et, Camdeboo at: 1 wn, Ikhala Vet at: 2 n, Stutterheim neighbouring fai	= one case Veterinar erinary W Veterinar	e, 2 = more ry Clinic //ildlife Ser	West e than or	State	Natal	1.6 (5) ten and 3	1.5 (2) = more than	Cape
Average  Level of imporeported  Sheep  Goat  Eastern Cap Graaff-Rein Sheep: 1, Go Grahamston Sheep: 2, Go Stutterheim Sheep: 2 Deaths on 2 in Western Ca Heidelberg Sheep: 2	ortance scale: 1  De  let, Camdeboo at: 1 wn, Ikhala Vet at: 2 n, Stutterheim neighbouring fai pe (WC), Heidelb	= one case  Veterinar  veterinar  rms  erg Diere	e, 2 = more ry Clinic fildlife Ser ry Clinic kliniek	West e than or	State	Natal	1.6 (5) ten and 3	1.5 (2) = more than	Cape
Average  Level of imporeported  Sheep  Goat  Eastern Cap Graaff-Rein Sheep: 1, Go Grahamston Sheep: 2, Go Stutterheim Sheep: 2 Deaths on 2 of Western Cap Heidelberg Sheep: 2 Stellenboso	ortance scale: 1  oe  et, Camdeboo at: 1 wn, Ikhala Vet at: 2 n, Stutterheim neighbouring fai	= one case  Veterinar  veterinar  rms  erg Diere	e, 2 = more ry Clinic fildlife Ser ry Clinic kliniek	West e than or	State	Natal	1.6 (5) ten and 3	1.5 (2) = more than	Cape
Average  Level of imporeported  Sheep  Goat  Eastern Cap Graaff-Rein Sheep: 1, Go Grahamston Sheep: 2, Go Stutterheim Sheep: 2 Deaths on 2 in Western Ca Heidelberg Sheep: 2	ortance scale: 1  De  let, Camdeboo at: 1 wn, Ikhala Vet at: 2 n, Stutterheim neighbouring fai pe (WC), Heidelb	= one case  Veterinar  veterinar  rms  erg Diere	e, 2 = more ry Clinic fildlife Ser ry Clinic kliniek	West e than or	State	Natal	1.6 (5) ten and 3	1.5 (2) = more than	Cape
Average  Level of imporeported  Sheep  Goat  Eastern Cap Graaff-Rein Sheep: 1, Go Grahamston Sheep: 2, Go Stutterheim Sheep: 2 Deaths on 2 of Western Cap Heidelberg Sheep: 2 Stellenboso	ortance scale: 1  De  De  De  De  De  De  De  De  De  D	= one case  Veterinar  veterinar  rms  erg Diere	e, 2 = more ry Clinic fildlife Ser ry Clinic kliniek	West e than or	State	Natal	1.6 (5) ten and 3	1.5 (2) = more than	Cape
Average  Level of imporeported  Sheep  Goat  Eastern Cap Graaff-Rein Sheep: 1, Go Grahamston Sheep: 2, Go Stutterheim Sheep: 2 Deaths on 2 of the seep	ortance scale: 1  De  De  De  De  De  De  De  De  De  D	= one case  Veterinar  veterinar  rms  erg Diere	e, 2 = more ry Clinic fildlife Ser ry Clinic kliniek Hospital	West e than or	State  ne case  Free	Natal	1.6 (5) ten and 3	Cape  1.5 (2)  = more tha  1.5 (2)	Cape

2.5 (2) **Average** Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported 2.5(2)Sheep **Eastern Cape Cradock, Cradock Veterinary Clinic** Sheep: 2 Worm nodules Middelburg (EC), Steynsburg Dierehospitaal Sheep: 3 Ill thrift due to nodular worm and grass seeds. Animals in poor condition despite good grazing conditions. **Tape Worms** Kwazulu- Eastern Western Northern PROVINCE Mpumalanga Gauteng Limpopo West State Natal North Free Cape Cape Cape 3.0 1.0(2) 2.0(2)2.0(1)**Average (1)** (6) Level of importance scale: 1 =one case, 2 =more than one case but less than ten and 3 =more than 10 cases reported Beef 1.0(1)(2) 2.3 3.0 Sheep 1.0(1)2.0(1)(4)Goat 2.0(1)2.0(1)**Mpumalanga Balfour, Balfour Dierekliniek** Beef: 1, Sheep: 1 Limpopo Polokwane, Pietersburg Veterinary Clinic Sheep: 2, Goat: 2 **North West** Leeudoringstad, Leeudoringstad Dierekliniek Sheep: 3 Lambs **Free State** Clocolan, Clocolan Dierekliniek Beef: 2, Sheep: 2 Harrismith, Harrismith Dierehospitaal Beef: 3, Sheep: 3 Kroonstad, Kroonstad Dierehospitaal Sheep: 2 Reitz, Riemland Dierehospitaal Sheep: 2 **Eastern Cape Graaff-Reinet, Camdeboo Veterinary Clinic** Goat: 2 Parafilaria PROVINCE Mpumalanga Gauteng Limpopo West State Natal North Free Kwazulu-Eastern Western Northern Cape Cape Cape

Average		1.0 (1)	1.5 (2)			2.0 (1)			
Level of impore	ortance scale: 1	= one case	e, 2 = more	than or	ne case l	but less than	ten and 3	= more tha	n 10 cases
Beef		1.0(1)	1.5 (2)			2.0 (1)			
Gauteng									
	derstepoort A	cademic I	Hospital a	nd Prod	luction	<b>Animal Clir</b>	nic		
Beef: 1 L <b>impopo</b>									
	Dr Henk Visse	r							
Beef: 1		-							
	Pietersburg V	eterinary	Clinic						
Beef: 2 <b>Kwazulu-Na</b>	.+al								
	Mtubatuba Ar	nimal Clin	ic						
Liver fluk	e e								4
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northerr Cape
Average	2.0 (2)				1.5 (4)	2.3 (3)		2.0 (1)	
Level of imported	ortance scale: 1	= one case	e, 2 = more	than or	ne case I	but less than	ten and 3	= more tha	n 10 cases
Beef	2.0 (2)				2.0 (2)	2.0 (2)		2.0 (1)	
Dairy					1.0 (1)	3.0 (1)			
Sheep					1.0 (1)				
Mpumalang									
<b>Balfour, Bal</b> Beef: 2	four Diereklin	iek							
	Cape Cross Vol	ksrust Die	rehospita	al					
Beef: 2									
Free State									
	ocolan Dierek	liniek							
Beef: 2, Dairy Harrismith.	/: 1 Harrismith Die	erehospita	aal						
Beef: 2, Shee									
Kwazulu-Na	ital								
	wick Veterinaı	y Clinic							
Beef: 3, Dairy Underberg	/: 3 <b>Underberg Ve</b>	terinary S	urgery						
Beef: 1	Chaciberg Ve	connai y S	argery						
Western Ca									
Caledon, Ca	ledon Dierekli	niek							
Beef: 2									
Conical F	lukes								-
PROVINCE	Mpumalanga	Gauteng	Limpopo	North	Free	Kwazulu-	Eastern	Western	Northern

				West	State	Natal	Cape	Cape	Cape
Average	1.7 (3)			1.0 (1)	1.5 (4)	2.5 (2)		1.0 (1)	
Level of impore	ortance scale: 1	= one case	e, 2 = more	e than o	ne case	but less than	ten and 3	= more tha	n 10 cases
Beef	1.7 (3)				1.3 (3)	3.0 (1)			
Dairy						2.0 (1)		1.0(1)	
Sheep				1.0 (1)	2.0 (1)				
Mpumalang									
	four Diereklin	iek							
Beef: 1 Bethal Beth	nal Diereklinie	b							
Beef: 2	iai Dierekiiiie	N.							
	regloed Veteri	nêre Spre	ekkamer						
Beef: 2		•							
North West									
	, Dr CM Kruge	r-Rall							
Sheep: 1									
Free State	F Dat	h l = h = C	.,						
Betnienem <u>,</u> Beef: 1	Freestate Bet	nienem S	V						
	Harrismith Di	arahasnit							
Beef: 2, Shee		erenospic	aaı						
	Kroonstad Die	rehospita	al						
Beef: 1									
Kwazulu-Na	atal								
Howick, Ho	wick Veterinaı	y Clinic							
Dairy: 2									
	Underberg Ve	terinary S	Surgery						
Beef: 3									
Western Ca	pe h, Stellenbosc	h Animal	U a a mida l						
Dairy: 1	n, Stellenbosc	n Animai	поѕрітаі						
Cysticerc	osis								_
PROVINCE	Mpumalanga	Gauteng	Limpono	North		Kwazulu-	Eastern	Western	Northern
FROTINCE	Pipumalanga	Gauteng	шпроро	West	State	Natal	Cape	Cape	Cape
Average	3.0 (1)	2.0 (1)			2.5 (2)	2.0 (1)			2.0 (1)
Level of imported	ortance scale: 1	= one case	e, 2 = more	e than o	, ,	but less than	ten and 3	= more tha	n 10 cases
Beef	3.0 (1)	2.0 (1)			2.5 (2)	2.0 (1)			
Sheep							_		2.0(1)
Mpumalang	a								
Nelspruit, N	lelspruit Anim	al Hospita	ıl						
Beef: 3									
Gauteng									

Bapsfontein, Bapsfontein Dierehospitaal										
Beef: 2										
Free State										
Beef: 2	Harrismith Di	erenospit	aaı							
	s Dierehosnita	اد								
Parys, Parys Dierehospitaal Beef: 3										
	Kwazulu-Natal									
Pietermarit	zburg, Richmo	nd Veteri	nary Clinic	С						
Beef: 2										
<b>Northern Ca</b>										
	rg, Postmasbu	rg Dierek	liniek							
Sheep: 2										
<b>External</b>	<b>Parasites</b>									
Blue ticks	S								^	
	<b>N</b>	0		North	Free	Kwazulu-	Eastern	Western	Northern	
PROVINCE	Mpumalanga	Gauteng	Limpopo	West	State	Natal	Cape	Cape	Cape	
Average	2.5.(9)		2 0 (2)	3.0	2.9	2.9 (10)	2 2 (2)	2.6 (7)		
Average	2.5 (8)		2.0 (3)	(1)	(15)	2.9 (10)	2.5 (3)	2.0 (7)		
				` ′	`					
	ortance scale: 1	= one case	e, 2 = more	e than or	ne case	but less than	ten and 3	= more tha	n 10 cases	
reported										
D C	2 ( (7)		2.0.(2)	3.0	2.9	2.0 (7)	2.2 (2)	27 (2)		
Beef	2.6 (7)		2.0 (3)	(1)	(12)	2.9 (7)	2.3 (3)	2.7 (3)		
				· · · ·	3.0					
Dairy					(1)	3.0 (2)		2.3 (3)		
Sheep	2.0(1)				3.0	3.0 (1)		3.0 (1)		
					(2)		<u> </u>			
Mpumalang		!l.								
Beef: 2, Shee	four Diereklin	іек								
	regloed Veteri	nêre Snre	ekkamer							
Beef: 2	regioed veteri	nere opre	CKKaiiiCi							
	, Middelburg D	ierehospi	taal							
Beef: 3		•								
Nelspruit, N	lelspruit Anima	al Hospita	ıl							
Beef: 3										
	Pets Vet Hosp	ital								
Beef: 3	Faanarat									
Standerton, Beef: 3	Econovet									
	Cape Cross Vol	ksrust Dia	rehosnita	al						
Beef: 2	арс стозз тог	KSI USC DIC	renospica	iui						
Limpopo										
	Dr Henk Visse	r								
Beef: 1										
Polokwane, Pietersburg Veterinary Clinic										
Beef: 3										
Tzaneen, Tzaneen Dierekliniek Beef: 2										
North West										
	Klerksdorp Di	erehosnit	aal							
Beef: 3	MCI Kadoi p Di	Ciciospit	uui							

**Free State Bloemfontein, Dr Stephan Wessels** Beef: 3 Clocolan, Clocolan Dierekliniek Beef: 3 Frankfort, Frankfort Dierekliniek Beef: 3 Harrismith, Harrismith Dierehospitaal Beef: 3 **Hoopstad, Hoopstad Dierekliniek** Beef: 3, Sheep: 3 **Kroonstad, Kroonstad Dierehospitaal** Beef: 3, Dairy: 3 **Memel, Memel Veterinary Clinic** Viljoenskroon, Viljoenskroon Dierekliniek Beef: 3 Villiers, Wilgepoort Dierekliniek Vennootskap Beef: 2 Vrede, Saulshoek Dierepraktyk Beef: 3 Vrede, Vrede Dierehospitaal Beef: 3, Sheep: 3 Winburg, Winburg Dierekliniek Beef: 3 Kwazulu-Natal **Bergville, Bergville Veterinary Clinic Estcourt, Estcourt Vet Clinic** Beef: 3, Dairy: 3 **Howick, Howick Veterinary Clinic** Beef: 3, Dairy: 3 Mtubatuba, Mtubatuba Animal Clinic Beef: 2 Pietermaritzburg, Richmond Veterinary Clinic **Underberg, Underberg Veterinary Surgery** Beef: 3, Sheep: 3 Vryheid, Vryheid Privaat Veeartse Beef: 3 **Eastern Cape** Alexandria, Alexandria Platteland Spreekkamer Aliwal North, Hertzogbrug Dierekliniek Beef: 2 **Graaff-Reinet, Graaff Reinet Veterinary Clinic** Beef: 2 **Western Cape George, George Animal Hospital** Beef: 3, Dairy: 3 Heidelberg (WC), Heidelberg Dierekliniek Dairy: 2 **Oudtshoorn, Oudtshoorn Dierekliniek** Beef: 3, Sheep: 3 Swellendam, Swellendam Dierehospitaal

Beef: 2, Dairy: 2

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)	2.0 (1)			2.0 (2)	2.0 (2)		3.0 (2)	
Level of impore	ortance scale: 1	= one case	e, 2 = more	e than or	ne case	but less than	ten and 3	= more tha	n 10 cases
Beef	1.0 (1)	2.0 (1)			2.0 (2)	2.0 (2)		3.0 (1)	
Dairy								3.0 (1)	
Mpumalang									
Ermelo, Moi Beef: 1	regloed Veteri	nêre Spre	ekkamer						
Gauteng									
_	raal, Themba <i>l</i>	Animal Cli	nic						
Beef: 2									
Free State	Hamianikh Di	la !A.	1						
Beef: 1	Harrismith Die	erenospita	aaı						
	inburg Dierek	liniek							
Beef: 3									
Kwazulu-Na			_						
Beef: 2	ergville Veteri	nary Ciini	С						
	zburg, Richmo	nd Veteri	nary Clinic	C					
Beef: 2			-						
Western Ca	_								
Beef: 3, Dairy	orge Animal Ho	ospital							
	er (Bont) ti	cks							^
i i cai twat	.er (Bolit) ti	CKS							_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.8 (5)	2.0 (6)	2.2 (6)	1.0 (1)		1.8 (10)	1.7 (3)		
Level of impore	ortance scale: 1	= one case	e, 2 = more		ne case	but less than	ten and 3	= more tha	n 10 cases
Beef	3.0 (2)	2.3 (3)	2.0 (3)	1.0 (1)		2.0 (4)	1.5 (2)		
Dairy						2.0 (1)			
Sheep	2.0 (1)	2.0 (2)	2.0 (2)			1.5 (2)	2.0 (1)		
Goat	3.0 (2)	1.0(1)	3.0 (1)			1.7 (3)			
Beef: 3, Goat	<b>, Middelburg I</b> : 3	-							
	lelspruit Anima	al Hospita	ıl						
Beef: 3, Shee Gauteng	ep: 2, Goat: 3								
	raal, Themba A								

Pretoria, Ar	nima Veterinar	y Consult	ing Rooms	S										
Beef: 3, Sheep: 3														
Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic														
Beef: 1, Shee	Beef: 1, Sheep: 1, Goat: 1													
Limpopo														
Mokopane,	Dr Henk Visse	r												
Beef: 1, Shee	ep: 1													
Polokwane, Pietersburg Veterinary Clinic														
Beef: 3, Sheep: 3, Goat: 3														
Tzaneen, Tzaneen Dierekliniek														
Beef: 2														
North West														
Christiana, Christiana Dierehospitaal														
Beef: 1														
Kwazulu-Natal														
	Bergville, Bergville Veterinary Clinic													
Beef: 3														
	stcourt Vet Cli	nic												
Dairy: 2		_	_											
	Mtubatuba Aı	nimal Clin	ic											
Beef: 2, Goat														
	zburg, Richmo	nd Veteri	nary Clinic	C										
	ep: 2, Goat: 2													
	ongola Animal	Clinic												
	ep: 1, Goat: 1													
Eastern Cap														
	wn, Ikhala Vet	erinary W	ildlife Ser	vices										
Beef: 2, Shee														
	p, Humansdor	p Veterin	ary Clinic											
Beef: 1														
Brown ea	ar-ticks								^					
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape					
Average	2.0 (1)	2.0 (1)	1.5 (2)		2.0 (4)	2.7 (7)								
Level of imp	ortance scale: 1	= one case	e, 2 = more	than or	ne case	but less than	ten and 3	= more tha	n 10 cases					
reported			•											
-					2.2									
Beef	2.0 (1)	2.0 (1)	1.5 (2)		2.3 (3)	2.7 (7)								
					1.0									
Sheep					(1)									
					(1)									
Mpumalanga ———————————————————————————————————														
					Piet Retief, Pets Vet Hospital									
Piet Retief,		ital												
Piet Retief, Beef: 2		ital												
Piet Retief, Beef: 2 Gauteng	Pets Vet Hosp													
Piet Retief, Beef: 2 Gauteng Hammansk			nic											
Piet Retief, Beef: 2 Gauteng Hammansk Beef: 2	Pets Vet Hosp		nic											
Piet Retief, Beef: 2 Gauteng Hammansk Beef: 2 Limpopo	Pets Vet Hosp raal, Themba <i>I</i>	Animal Cli	nic											
Piet Retief, Beef: 2 Gauteng Hammansk Beef: 2 Limpopo Mokopane,	Pets Vet Hosp	Animal Cli	nic											
Piet Retief, Beef: 2 Gauteng Hammansk Beef: 2 Limpopo Mokopane, Beef: 1	Pets Vet Hosp raal, Themba <i>I</i> Dr Henk Visse	Animal Cli r	nic											
Piet Retief, Beef: 2 Gauteng Hammansk Beef: 2 Limpopo Mokopane, Beef: 1 Tzaneen, Tz	Pets Vet Hosp raal, Themba <i>I</i>	Animal Cli r	nic											
Piet Retief, Beef: 2 Gauteng Hammansk Beef: 2 Limpopo Mokopane, Beef: 1 Tzaneen, Tz Beef: 2	Pets Vet Hosp raal, Themba <i>I</i> Dr Henk Visse	Animal Cli r	nic											
Piet Retief, Beef: 2 Gauteng Hammansk Beef: 2 Limpopo Mokopane, Beef: 1 Tzaneen, Tz	Pets Vet Hosp raal, Themba <i>I</i> Dr Henk Visse	Animal Cli r	nic											

Reitz, Riemland Dierehospitaal Beef: 2 **Vrede, Saulshoek Dierepraktyk** Beef: 2, Sheep: 1 Winburg, Winburg Dierekliniek Beef: 3 **Kwazulu-Natal Bergville, Bergville Veterinary Clinic Dundee, Endumeni Herd health** Beef: 3 Mtubatuba, Mtubatuba Animal Clinic Beef: 3 **Newcastle, Ncanduvet Newcastle** Beef: 3 Pietermaritzburg, Richmond Veterinary Clinic Beef: 2 Pongola, Pongola Animal Clinic Beef: 2 Vryheid, Vryheid Privaat Veeartse Beef: 3 **Bont-legged ticks** North Free Kwazulu- Eastern Western Northern PROVINCE Mpumalanga Gauteng Limpopo **West State Natal** Cape Cape Cape 3.0 2.8 **Average** 2.0(5)2.5 (4) 2.3(4)2.0(2)3.0 (3) 3.0(2)(3) (11)Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported 2.0(2)Beef 2.0(5)2.5 (2) 2.0(3)3.0(1)3.0(1)**(7)** 2.7 Sheep 3.0(1)3.0(1) 3.0(1)3.0(1)(3) 3.0 Goat 2.0(1)3.0(1)**(1) Mpumalanga Balfour, Balfour Dierekliniek** Beef: 1 Ermelo, Moregloed Veterinêre Spreekkamer Beef: 2 Middelburg, Middelburg Dierehospitaal **Nelspruit, Nelspruit Animal Hospital** Beef: 2 Volksrust, Cape Cross Volksrust Dierehospitaal Beef: 2 Gauteng Hammanskraal, Themba Animal Clinic Beef: 2, Goat: 2 Pretoria, Anima Veterinary Consulting Rooms Beef: 3, Sheep: 3 Limpopo

Mokopane, Dr Henk Visser

Beef: 1

Polokwane	, Pietersburg V	eterinary	Clinic							
Beef: 3, Sheep: 3										
	zaneen Dierek	liniek								
Beef: 2										
North West										
Christiana,	Christiana Die	rehospita	al							
Beef: 3										
	, Klerksdorp Di	erehospit	aal							
Beef: 3	,	о. сс. р								
	stad, Leeudori	nastad Di	erekliniek							
Beef: 3				-						
Free State										
	locolan Dierek	liniek								
Beef: 3	iocolali Dierek	iiiick								
	Frankfort Diere	kliniak								
Beef: 3	rialikioit Diele	KIIIIICK								
	Hoomstad Diss	aklimiak								
	Hoopstad Diero	EKIIIIEK								
Beef: 3, She	•	rob:	al .							
	Kroonstad Die	renospita	ıdl							
Beef: 2, She	-	CI:								
	mel Veterinary	Clinic								
Beef: 3										
	on, Viljoenskr	oon Diere	kliniek							
	ep: 3, Goat: 3									
	inburg Dierek/	liniek								
Beef: 3										
Kwazulu-N										
Bergville, B	ergville Veteri	nary Clini	С							
Beef: 3										
Pongola, Po	ongola Animal	Clinic								
Beef: 1										
Eastern Cap	ре									
Middelburg	(EC), Steynsb	urg Diere	hospitaal							
	ep: 3, Goat: 3									
<b>Northern C</b>										
	Aar Veterinary	Clinic								
Sheep: 3	•									
Udder, groin	and tails									
	nu Dierekliniek									
Beef: 3	ia bici cianinci									
Beer. 5										
Red-legg	ed ticks								^	
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average	1.0 (3)		1.5 (2)	3.0 (1)	2.5 (8)	2.5 (2)	2.0 (3)			
Level of impreported	ortance scale: 1	= one case	e, 2 = more	e than or	ne case	but less than	ten and 3	= more tha	n 10 cases	
Beef	1.0 (1)		1.5 (2)	3.0 (1)	2.8 (4)	2.5 (2)	2.0 (1)			
Sheep	1.0 (1)				2.3 (4)		2.0 (1)			
Goat	1.0 (1)						2.0 (1)			
Mnumaland										
Mpumalang	ja									

	C. D'	• . •								
	four Diereklin	iek								
Beef: 1, Shee	ep: 1, Goat: 1									
Limpopo	D., Handa Wissa									
Beef: 1	Dr Henk Visse	· <b>r</b>								
	rangon Digrak	liniak								
Beef: 2	aneen Dierek	шек								
North West										
	Christiana Die	robocnita	al							
Beef: 3	Cilistialia Die	Teriospica	aı							
Free State										
	ocolan Dierek	liniek								
Beef: 2	ocoluli Dici ck	Cix								
	loopstad Dier	ekliniek								
Beef: 3, Shee										
	Kroonstad Die	rehospita	al							
Beef: 3, Shee										
	nel Veterinary	Clinic								
Beef: 3, Shee										
Wesselsbro	n, Wesselsbro	n Dierekli	niek							
Sheep: 1										
Kwazulu-Na	atal									
<b>Pietermarit</b>	zburg, Richmo	nd Veteri	nary Clini	С						
Beef: 2										
Underberg,	<b>Underberg Ve</b>	terinary S	Surgery							
Beef: 3										
Eastern Cap										
	wn, Ikhala Vet	erinary W	/ildlife Ser	vices						
Sheep: 2, Go										
	Middelburg (EC), Steynsburg Dierehospitaal									
Beef: 2										
Biting lic	e (red lice)								^	
	e (red lice) Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
		Gauteng	Limpopo				Саре		_	
PROVINCE Average				West	2.0 (2)	Natal	1.0 (1)	2.0 (1)	Саре	
PROVINCE  Average  Level of impositions	Mpumalanga			West	2.0 (2)	Natal	1.0 (1)	2.0 (1)	Саре	
PROVINCE  Average  Level of impreported	Mpumalanga			West	2.0 (2) ne case	Natal	1.0 (1)	2.0 (1)	Cape	
PROVINCE  Average  Level of impreported  Beef	Mpumalanga			West	2.0 (2) ne case   2.0 (1) 2.0	Natal	1.0 (1) ten and 3	2.0 (1) = more that	Cape	
PROVINCE  Average  Level of imporeported  Beef  Sheep  Goat	Mpumalanga			West	2.0 (2) ne case   2.0 (1) 2.0	Natal	1.0 (1)	2.0 (1) = more that	Cape	
PROVINCE  Average  Level of imporeported  Beef  Sheep  Goat  Free State	Mpumalanga  ortance scale: 1	= one case	e, 2 = more	West	2.0 (2) ne case   2.0 (1) 2.0	Natal	1.0 (1) ten and 3	2.0 (1) = more that	Cape	
PROVINCE  Average  Level of impreported  Beef  Sheep  Goat  Free State Harrismith,	Mpumalanga  ortance scale: 1  Harrismith Di	= one case	e, 2 = more	West	2.0 (2) ne case   2.0 (1) 2.0	Natal	1.0 (1) ten and 3	2.0 (1) = more that	Cape	
Average Level of impreported  Beef Sheep Goat Free State Harrismith, Beef: 2, Shee	Mpumalanga  ortance scale: 1  Harrismith Diep: 2	= one case	e, 2 = more	West	2.0 (2) ne case   2.0 (1) 2.0	Natal	1.0 (1) ten and 3	2.0 (1) = more that	Cape	
Average  Level of impresented  Beef  Sheep  Goat  Free State Harrismith, Beef: 2, Shee Eastern Cap	Mpumalanga  ortance scale: 1  Harrismith Diep: 2  oe	= one case	e, 2 = more	West	2.0 (2) ne case   2.0 (1) 2.0	Natal	1.0 (1) ten and 3	2.0 (1) = more that	Cape	
PROVINCE  Average  Level of important important imported  Beef  Sheep  Goat  Free State Harrismith, Beef: 2, Sheet Eastern Cap Graaff-Rein	Mpumalanga  ortance scale: 1  Harrismith Diep: 2	= one case	e, 2 = more	West	2.0 (2) ne case   2.0 (1) 2.0	Natal	1.0 (1) ten and 3	2.0 (1) = more that	Cape	
PROVINCE  Average  Level of important important imported  Beef  Sheep  Goat  Free State  Harrismith, Beef: 2, Sheet Eastern Cap Graaff-Rein Goat: 1	Mpumalanga  pritance scale: 1  Harrismith Diep: 2  pe et, Camdeboo	= one case	e, 2 = more	West	2.0 (2) ne case   2.0 (1) 2.0	Natal	1.0 (1) ten and 3	2.0 (1) = more that	Cape	
Average  Level of impore reported  Beef  Sheep  Goat  Free State Harrismith, Beef: 2, Sheet Eastern Cap Graaff-Rein Goat: 1 Western Ca	Mpumalanga  ortance scale: 1  Harrismith Diep: 2  pe et, Camdeboo	erehospit	e, 2 = more	West	2.0 (2) ne case   2.0 (1) 2.0	Natal	1.0 (1) ten and 3	2.0 (1) = more that	Cape	
Average  Level of impore reported  Beef  Sheep  Goat  Free State Harrismith, Beef: 2, Sheet Eastern Cap Graaff-Rein Goat: 1 Western Ca	Mpumalanga  pritance scale: 1  Harrismith Diep: 2  pe et, Camdeboo	erehospit	e, 2 = more	West	2.0 (2) ne case   2.0 (1) 2.0	Natal	1.0 (1) ten and 3	2.0 (1) = more that	Cape	
PROVINCE  Average  Level of impreported  Beef  Sheep  Goat  Free State Harrismith, Beef: 2, Sheet Eastern Capt Graaff-Reint Goat: 1  Western Catte Beaufort W Goat: 2	Mpumalanga  ortance scale: 1  Harrismith Diep: 2  pe et, Camdeboo	erehospita Veterina	e, 2 = more  aal  ry Clinic  e Vet	West	2.0 (2) ne case   2.0 (1) 2.0	Natal	1.0 (1) ten and 3	2.0 (1) = more that	Cape	

Sucking I	ice (blue lic	e)							^	
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average					2.0 (1)		1.0 (1)			
Level of imported	ortance scale: 1	= one case	e, 2 = more	than or	ne case l	but less than	ten and 3	= more tha	n 10 cases	
Sheep					2.0 (1)					
Goat							1.0(1)			
Free State Harrismith, Harrismith Dierehospitaal Sheep: 2 Eastern Cape Graaff-Reinet, Camdeboo Veterinary Clinic Goat: 1										
Scab mite	es								_	
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average		1.0 (1)			1.0 (4)		2.5 (2)			
Level of imported	ortance scale: 1	= one case	e, 2 = more	than or	ne case l	but less than	ten and 3	= more tha	n 10 cases	
Sheep		1.0(1)			1.0 (4)		2.5 (2)			
Gauteng Bapsfontein, Bapsfontein Dierehospitaal Sheep: 1 Free State Frankfort, Frankfort Dierekliniek Sheep: 1 Harrismith, Harrismith Dierehospitaal Sheep: 1 Reitz, Riemland Dierehospitaal Sheep: 1 Wesselsbron, Wesselsbron Dierekliniek Sheep: 1 Eastern Cape										
Cradock, Cradock Veterinary Clinic Sheep: 2 Two farms Middelburg (EC), Steynsburg Dierehospitaal Sheep: 3										
Mange M	ites								_	
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	

1.0 (1)

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

Dairy	 .0 (1)	

### **Western Cape**

## Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 1

Nuisance Flies										
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average	2.2 (5)				2.8 (8)	2.6 (9)	3.0 (2)	2.3 (8)		

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

Beef	2.3 (3)	3.0 (4)	2.8 (4)	3.0 (2)	2.0 (2)	
Dairy		3.0 (1)	3.0 (1)		2.5 (4)	
Sheep	2.0 (1)	2.3 (3)	2.5 (2)		2.0 (2)	
Goat	2.0 (1)		2.0 (2)			

#### Mpumalanga

## **Balfour, Balfour Dierekliniek**

Beef: 2, Sheep: 2, Goat: 2

## **Nelspruit, Nelspruit Animal Hospital**

Beef: 3

### **Volksrust, Cape Cross Volksrust Dierehospitaal**

Beef: 2 Free State

### **Bloemfontein, Dr Stephan Wessels**

Beef: 3

## Harrismith, Harrismith Dierehospitaal

Beef: 3, Sheep: 3

# Hoopstad, Hoopstad Dierekliniek

Sheep: 2

## Kroonstad, Kroonstad Dierehospitaal

Beef: 3, Dairy: 3

## Philippolis, Rowelsfontein veearts Spreekkamer

Sheep: 2

## Winburg, Winburg Dierekliniek

Beef: 3

#### Kwazulu-Natal

#### **Bergville, Bergville Veterinary Clinic**

Reef: 3

#### **Howick, Howick Veterinary Clinic**

Beef: 3, Dairy: 3, Sheep: 2, Goat: 2

### Mtubatuba, Mtubatuba Animal Clinic

Beef: 2, Goat: 2

# **Underberg, Underberg Veterinary Surgery**

Beef: 3, Sheep: 3

Eastern Cap	Alexandria, Alexandria Platteland Spreekkamer									
	Alexandria Pi	atteland S	ргееккап	ner						
Beef: 3	(EC) CL									
	(EC), Steynsb	urg Diere	nospitaai							
Beef: 3										
Western Ca	pe y, Dr Otto Krie	le .								
Dairy: 3	y, Dr Otto Krie	K								
Malmesbury, Malmesbury Dierehospitaal										
	y: 3, Sheep: 3	Dicicios	pitaai							
	, Oudtshoorn	Diereklini	ek							
Beef: 1, Shee		DICI CIXIIII	O.N.							
	h, Stellenbosc	h Animal	Hospital							
Dairy: 1	.,		<b>-</b>							
	n, Swellendam	Dierehos	pitaal							
Dairy: 3	•		•							
Blowflies									^	
PROVINCE	Mpumalanga	Gauteng	Limpono	North		Kwazulu-		Western	Northern	
. 110 121102	pamaianga	Cuutchig	Limpopo	West	State	Natal	Cape	Cape	Cape	
Average	1.0 (1)		1.5 (2)		2.8 (4)		2.0 (2)	2.4 (5)		
Level of impore	ortance scale: 1	= one case	e, 2 = more	e than or	ne case l	but less than	ten and 3	= more tha	n 10 cases	
Beef			1.0 (1)		3.0 (2)			2.0 (2)		
Dairy								3.0 (1)		
Sheep	1.0 (1)		2.0 (1)		2.5 (2)		2.0 (2)	2.5 (2)		
Mpumalang	a									
Balfour, Bal	four Diereklin	iek								
Sheep: 1										
Limpopo										
	Dr Henk Visse	r								
Beef: 1			<b></b>							
	Pietersburg V	eterinary	Clinic							
Sheep: 2 Free State										
	in, Dr Stephan	Wossals								
Beef: 3	iii, Di Stepiiaii	I WC33CI3								
	ocolan Dierek	liniek								
Sheep: 3	ocolali Bici ck	cix								
	Kroonstad Die	rehospita	al							
Sheep: 2		•								
Winburg, W	inburg Dierek	liniek								
Beef: 3										
Eastern Cap										
	Middelburg (EC), Steynsburg Dierehospitaal									
Sheep: 3	•									
	Witelsbos Vete	erinary Co	nsulting R	looms						
Sheep: 1										
	Western Cape Heidelberg (WC), Heidelberg Dierekliniek									
Sheep: 2	(WC), Heidelb	erg Diere	kiiniek							

Beef: 3, Dairy	Malmesbury, Malmesbury Dierehospitaal Beef: 3, Dairy: 3, Sheep: 3 Dudtshoorn, Oudtshoorn Dierekliniek									
Beef: 1	, Oudtsilooili	Dielekiiiii	ek							
Screw-w	orm								_	
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average	2.0 (1)		1.0 (2)	2.0 (1)	2.0 (1)	1.5 (2)	1.0 (1)			
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported										
Beef	2.0 (1)		1.0 (1)	2.0 (1)	2.0 (1)		1.0 (1)			
Dairy						2.0(1)				
Sheep         1.0 (1)         1.0 (1)           Mpumalanga										
Beef: 2 Limpopo Mokopane, Beef: 1 Polokwane, Sheep: 1 North West Brits, Brits I Beef: 2 Free State Winburg, W Beef: 2 Kwazulu-Na Camperdow Dairy: 2, She Eastern Cap	Dierekliniek finburg Dierek atal vn, Camperdov ep: 1 be Alexandria Pla	r /eterinary liniek vn Vet Cli	Clinic	ner						
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average		3.0 (1)		3.0 (1)	2.2 (5)		3.0 (1)			
Level of impore	ortance scale: 1	= one case	e, 2 = more	than or	ne case l	but less than	ten and 3	= more tha	n 10 cases	
Sheep		3.0 (1)		3.0 (1)	2.2 (5)		3.0 (1)			
Gauteng Pretoria, An Sheep: 3 North West	ima Veterinar	y Consult	ing Rooms	3						

	stad, Leeudori	ngstad Di	erekliniek							
Sheep: 3										
Free State										
Clocolan, Cl	locolan Dierek	liniek								
Sheep: 2										
Kroonstad,	<b>Kroonstad Die</b>	rehospita	al							
Sheep: 2										
Reitz, Riem	land Dierehos	pitaal								
Sheep: 2										
Villiers, Wile	gepoort Dierel	kliniek Ve	nnootskap	)						
Sheep: 3			<b>.</b>							
•	shoek Dierepr	aktvk								
Sheep: 2		<b>,</b>								
Eastern Cap	ne e									
	(EC), Steynsb	ura Diere	hospitaal							
Sheep: 3	(Le), Steynob	ary Dicic	iioopitaai							
энсері э										
Midges									^	
				North	Evan	Kwazulu-	Engtown	Wostown	Northern	
<b>PROVINCE</b>	Mpumalanga	Gauteng	Limpopo		State		Cape	Cape	Cape	
							Сирс		Спро	
					2.2					
Average	1.5 (2)		2.0(1)		2.2	2.0(1)	2.0(3)			
711 C. u.g.c	1.5 (2)		2.0 (1)		(9)	2.0 (1)	2.0 (3)			
Level of impo	ortance scale: 1	= one case	e, 2 = more	e than or	ne case l	but less than	ten and 3	= more tha	n 10 cases	
reported			•							
•					• •					
Beef	1.0(1)		2.0(1)		2.3	2.0(1)	2.0 (1)			
DCCI	1.0 (1)		2.0 (1)		(3)	2.0 (1)	2.0 (1)			
				_	2.0					
Dairy										
					(1)					
Chaon	2.0 (1)				2.2		2.0 (2)			
Sheep	2.0 (1)				(5)		2.0 (2)			
Mpumalang	2									
	four Diereklin	iok								
Beef: 1	iloui Dielekiili	ICK								
	lelspruit Anima	al Haanita	.1							
	ieispruit Anima	ai nospita	<u> </u>							
Sheep: 2										
Limpopo	Dia	!!!!-								
	zaneen Dierekl	iniek								
Beef: 2										
Free State										
	ocolan Dierek	liniek								
	y: 2, Sheep: 2									
	Harrismith Di	erehospit	aal							
Beef: 3, Shee										
	Kroonstad Die	rehospita	al							
	Sheep: 2									
	Memel, Memel Veterinary Clinic									
Beef: 2, Shee										
	gepoort Dierel	kliniek Ve	nnootskap	)						
Sheep: 2										
Kwazulu-Na	atal									
<b>Pietermarit</b>	zburg, Richmo	nd Veteri	nary Clinic	С						
Beef: 2	Beef: 2									
Eastern Cap	ре									
<b>Aliwal Nortl</b>	h, Hertzogbrug	g Diereklii	niek							

	wn, Ikhala Vet	erinary W	ildlife Ser	vices					
Beef: 2									
Mosquito	es								_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average			2.0 (1)		2.3 (7)	3.0 (3)	2.0 (1)		
Level of impreported	ortance scale: 1	= one case	e, 2 = more	than or	ne case	but less than	ten and 3	= more tha	n 10 cases
Beef			2.0 (1)		2.3 (3)	3.0 (2)			
Dairy						3.0 (1)			
Sheep					2.3 (4)		2.0 (1)		
Limpopo									
	zaneen Dierek	liniek							
Beef: 2									
Free State									
	locolan Dierek	liniek							
Beef: 2, Shee		!a	1						
	Harrismith Di	erenospit	aaı						
Beef: 3, Shee	•	boonita							
Beef: 2, Shee	Kroonstad Die	erenospita	aı						
	ep: 2 gepoort Diere	kliniak Va	nnootokar	•					
Sheep: 2	gepoort Diere	Killilek ve	шооськар						
Sneep. z Kwazulu-Na	atal								
	ergville Veteri	nary Clini	<u> </u>						
Beef: 3	ergville veteri	iiai y Ciiiii							
	wick Veterina	ry Clinic							
Beef: 3, Dair		,							
	•								
•	,								
Eastern Cap	h, Hertzogbru	g Diereklii	niek						
Eastern Cap		g Diereklii	niek						
Eastern Cap Aliwal Nort	h, Hertzogbru	g Diereklii	niek						_
Eastern Cap Aliwal Nort Sheep: 2 Itch mite	h, Hertzogbru			North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Eastern Cap Aliwal Nort Sheep: 2 Itch mite	h, Hertzogbru								
Eastern Cap Aliwal Nort Sheep: 2 Itch mite PROVINCE Average	h, Hertzogbru	Gauteng	Limpopo	West	1.0 (1)	Natal	Cape	Cape	Cape

Sheep: 1										
Tick-borne Diseases										
African re	ad water								^	
Afficality	eu watei									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average	2.5 (2)		2.0 (2)	2.5 (2)	2.2 (11)	2.7 (10)	1.5 (2)	2.3 (4)		
Level of impore	ortance scale: 1	= one case	e, 2 = more	e than or	ne case l	but less than	ten and 3	= more tha	n 10 cases	
Beef	2.5 (2)		2.0 (2)	2.5 (2)	2.2 (11)	2.6 (7)	1.5 (2)	2.0 (2)		
Dairy						3.0 (3)		2.5 (2)		
Mpumalang	а									
	irootvlei Diere	kliniek								
Beef: 2										
	, Middelburg I	Dierehosp	itaal							
Beef: 3										
Limpopo										
	louberg Diere	kliniek								
Beef: 2										
	4 animals Polokwane, Pietersburg Veterinary Clinic									
Beef: 2	Pietersburg v	etermary	Cillic							
North West										
	Klerksdorp Di	ierehospit	aal							
Beef: 2	•	•								
Ventersdor	o, Ventersdorp	Diereklin	iek							
Beef: 3										
Free State										
	Freestate Bet	hlehem S	V							
Beef: 2			• -							
	Dosvrystaat Di	ere Produ	ikte							
Beef: 2	rankfort Diore	kliniak								
Beef: 3	rankfort Diere	KIIIIEK								
	Harrismith Di	erehosnita	aal							
Beef: 3										
Ladybrand,	Ladybrand									
Beef: 2										
	on, Viljoenskr	oon Diere	kliniek							
Beef: 2										
	gepoort Dierel	kiiniek Ve	nnootskap	)						
Beef: 3	shoek Dierepr	aktyk								
Beef: 2	эноек ыегерг	алцук								
	e Dierehospita	aal								
Beef: 2										
	n, Wesselsbro	n Dierekli	niek							
Beef: 1										
	inburg Dierek	liniek								
Beef: 2										
Kwazulu-Na										
Bergville, B	ergville Veteri	nary Clini	С							

Beef: 2									
	dumeni Herd l	nealth							
Dairy: 3	teeurt Vet Clir	·ia							
Beef: 3, Dairy	stcourt Vet Clir	IIC							
	wick Veterinaı	v Clinic							
Beef: 3, Dairy		y Cillic							
	Mtubatuba Ar	nimal Clin	ic						
Beef: 2									
Pietermarit	zburg, Richmo	nd Veteri	nary Clinic	С					
Beef: 3									
	Underberg Ve	terinary S	Surgery						
Beef: 3									
	yheid Privaat \	/eeartse							
Beef: 2	-								
Eastern Cap	pe p, Humansdor	n Votorin	any Clinic						
Beef: 1	p, mumansuoi	h Aereille	ary Cillic						
	n, Queenstowi	n Veterina	ry clinic						
Beef: 2	, (	. 33311110	,						
Western Ca	ре								
George, Geo	orge Animal H	ospital							
Beef: 3, Dairy									
	(WC), Heidelb	erg Diere	kliniek						
Dairy: 2									
	, Oudtshoorn	Diereklini	ek						
Beef: 1	-h+d:+:	ana diana			L				
Even in aroug	ght conditions th	iese uiseas	es are suii	preveian	L				
Asiatic re	d water								^
PROVINCE	Mpumalanga	Gauteng	Limpopo		Free State		Eastern Cape	Western Cape	Northern Cape
Average	2.4 (5)	1.5 (2)	2.0 (3)	1.3 (3)	2.5 (11)	2.0 (10)	2.0 (4)	1.8 (6)	
Level of impore	ortance scale: 1	= one case	e, 2 = more	e than or	ne case l	but less than	ten and 3	= more tha	n 10 cases
Beef	2.4 (5)	2.0 (1)	2.0 (3)	1.5 (2)	2.5 (11)	1.9 (7)	2.0 (4)	1.7 (3)	
Dairy		1.0 (1)		1.0 (1)		2.3 (3)		2.0 (3)	
Mpumalang	a								
Balfour, Bal	four Diereklin	iek							
Beef: 3									
	hal Diereklinie	k							
Beef: 1									
	, Middelburg I	Dierehosp	itaal						
Beef: 3	Econovict								
Standerton, Beef: 3	, Econovet								
	Cape Cross Vol	ksrust Dia	rehoenita	al					
Beef: 2	Jape 01033 701		ciiospita						
Gauteng									
	spruit, Kerkstr	aat Diere	kliniek						
Beef: 2, Dairy									
,									

Limpopo Makhado, Blouberg Dierekliniek Beef: 2 8 animals Mokopane, Dr Henk Visser Beef: 2 Polokwane, Pietersburg Veterinary Clinic Beef: 2 **North West Brits, Brits Dierekliniek** Beef: 2 Klerksdorp, Klerksdorp Dierehospitaal Beef: 1 Rustenburg, Bergbos Dierekliniek Dairy: 1 **Free State Bethlehem, Freestate Bethlehem SV** Clocolan, Clocolan Dierekliniek Beef: 3 Frankfort, Frankfort Dierekliniek Harrismith, Harrismith Dierehospitaal Kroonstad, Kroonstad Dierehospitaal Beef: 3 **Memel, Memel Veterinary Clinic** Beef: 3 Reitz, Riemland Dierehospitaal Beef: 1 Villiers, Wilgepoort Dierekliniek Vennootskap Beef: 3 Vrede, Saulshoek Dierepraktyk Beef: 3 Vrede, Vrede Dierehospitaal Beef: 2 Winburg, Winburg Dierekliniek Beef: 2 Kwazulu-Natal **Bergville, Bergville Veterinary Clinic** Beef: 2 **Dundee, Endumeni Herd health** Beef: 2, Dairy: 3 **Estcourt, Estcourt Vet Clinic** Beef: 1, Dairy: 2 **Howick, Howick Veterinary Clinic** Dairy: 2 Mtubatuba, Mtubatuba Animal Clinic Pietermaritzburg, Richmond Veterinary Clinic **Underberg, Underberg Veterinary Surgery** Beef: 2 Vryheid, Vryheid Privaat Veeartse Beef: 2 **Eastern Cape** Alexandria, Alexandria Platteland Spreekkamer **Humansdorp, Humansdorp Veterinary Clinic** Beef: 1

Queenstow	n, Queenstow	n Veterina	ry clinic							
Beef: 2										
Stutterheim	, Stutterheim	Veterinar	y Clinic							
Beef: 2	-		_							
<b>Western Ca</b>	ре									
Caledon, Ca	ledon Dierekli	niek								
Beef: 2										
George, Geo	orge Animal H	ospital								
Beef: 2, Dairy										
Heidelberg	(WC), Heidelb	erg Dierel	kliniek							
Dairy: 1	•									
Oudtshoorn	Oudtshoorn, Oudtshoorn Dierekliniek									
Beef: 1										
Swellendam, Swellendam Dierehospitaal										
Dairy: 2										
Anaplasm	nosis								^	
Anaplasmosis									_	
				North	Free	Kwazulu-	Eastern	Western	Northern	
PROVINCE	Mpumalanga	Gauteng	Limpopo	West	State	Natal	Cape	Cape	Cape	
							-	-	-	
	1.7.(4)		1.5.(0)	2.3	1.8	2.5.(6)	1.7 (2)	1.0 (7)	2.0 (1)	
Average	1.5 (4)		1.5 (2)	2.3 (3)	(14)	2.5 (6)	1.7 (3)	1.9 (7)	3.0 (1)	
				(3)	(11)					
Level of impo	ortance scale: 1	= one case	e, 2 = more	e than or	ne case	but less than	ten and 3	= more tha	n 10 cases	
reported			•							
				2.2	1.0					
Beef	1.5 (4)		1.5 (2)	2.3	1.8	2.3 (3)	1.7 (3)	2.0(2)	3.0(1)	
_55.	1.5 (1)		1.3 (2)	(3)	(14)	2.5 (5)	1.7 (3)	2.0 (2)	3.0 (1)	
Dairy						2.7 (3)		1.8 (5)		
Mpumalang	а						•			
	four Diereklin	iek								
Beef: 1										
Grootvlei, G	rootvlei Diere	kliniek								
Beef: 1										
Standerton,	Econovet									
Beef: 2										
Volksrust, C	Cape Cross Vol	ksrust Die	erehospita	al						
Beef: 2										
Limpopo										
-	louberg Diere	kliniek								
Beef: 2										
2 animals										
	Pietersburg V	eterinary	Clinic							
Beef: 1										
North West			_1							
·	Christiana Die	renospita	aı							
Beef: 3	Vlaukadaus Di									
Beef: 2	Klerksdorp Di	erenospic	ddi							
	stad Leeudori	nastad Di	orokliniok	•						
Leeudoringstad, Leeudoringstad Dierekliniek Beef: 2										
	cked with tetra	vcline, reo	ccurring							
Free State	CACCA WIGH CCHAC	., cc, 100	ccarring							
	in, Dr Stephan	Wessels								
Beef: 2	, 2. 3topilai									
Clocolan, Clocolan Dierekliniek										
Beef: 2										
	Dosvrystaat Di	ere Produ	ıkte							
	•									

Beef: 1	
Frankfort, Frankfort Dierekliniek	
Beef: 2	
Harrismith, Harrismith Dierehospitaal	
Beef: 2	
Hoopstad, Hoopstad Dierekliniek	
Beef: 3	
Kroonstad, Kroonstad Dierehospitaal	
Beef: 2	
Reitz, Riemland Dierehospitaal	
Beef: 2	
Smithfield, Dr Nienke van Hasselt SV	
Beef: 1	
Viljoenskroon, Viljoenskroon Dierekliniek Beef: 2	
<del></del>	
Vrede, Saulshoek Dierepraktyk	
Beef: 1	
Vrede, Vrede Dierehospitaal	
Beef: 1	
Wesselsbron, Wesselsbron Dierekliniek	
Beef: 1	
Winburg, Winburg Dierekliniek	
Beef: 3	
Kwazulu-Natal	
Bergville, Bergville Veterinary Clinic	
Beef: 3	
Dundee, Endumeni Herd health	
Beef: 2	
Estcourt, Estcourt Vet Clinic	
Dairy: 2	
Howick, Howick Veterinary Clinic	
Beef: 2, Dairy: 3	
Underberg, Underberg Veterinary Surgery	
Dairy: 3	
Eastern Cape	
•	
Aliwal North, Hertzogbrug Dierekliniek	
Beef: 2	
Middelburg (EC), Steynsburg Dierehospitaal	
Beef: 1	
Queenstown, Queenstown Veterinary clinic	
Beef: 2	
Western Cape	
Darling, Tygerberg Dierehospitaal Darling	
Dairy: 1	
George, George Animal Hospital	
Beef: 2, Dairy: 2	
Heidelberg (WC), Heidelberg Dierekliniek	
Dairy: 2	
Malmesbury, Invitrotech	
Dairy: 2	
Malmesbury, Malmesbury Dierehospitaal	
Beef: 2, Dairy: 2	
Northern Cape	
Kathu, Kathu Dierekliniek	
Beef: 3	
Heartwater	^

PROVINCE Mpumalanga Gauteng Limpopo North Free Kwazulu- Eastern Western Northern

				West	State	Natal	Cape	Cape	Cape
Average	2.4 (5)	2.0 (5)	2.6 (7)	1.5 (2)		1.6 (9)	1.0 (2)		
Level of imported	ortance scale: 1	= one case	e, 2 = more	than or	ne case l	out less than	ten and 3	= more th	an 10 cases
Beef	2.5 (2)	2.0 (2)	2.7 (3)	1.0 (1)		1.8 (4)	1.0 (1)		
Dairy						2.0(1)			
Sheep	2.0(1)	2.0 (2)	2.5 (2)			1.0 (2)			
Goat	2.5 (2)	2.0 (1)	2.5 (2)	2.0 (1)		1.5 (2)	1.0 (1)		
Mpumalang	ja			(-)			<u> </u>		
	, Middelburg [	Dierehospi	taal						
Beef: 3, Goat									
	lelspruit Anim	al Hospita	l						
Beef: 2, Goat									
	Pets Vet Hosp	ital							
Sheep: 2									
Gauteng	and Thombs	A : CI:	!.						
	raal, Themba	Animai Cii	піс						
	ep: 2, Goat: 2 nima Veterina:	ar Concult	ina Dooma						
Beef: 2, Shee		y Consuit	ing Rooms	•					
Limpopo	ε <b>μ:</b> Ζ								
	louberg Diere	kliniak							
Beef: 3	nouberg Diere	KIIIIICK							
15 animals in	outhreak								
	Dr Henk Visse								
	ep: 2, Goat: 2	-							
	Pietersburg \	/eterinarv	Clinic						
	ep: 3, Goat: 3	,							
North West	•								
Rustenburg	, Bergbos Die	rekliniek							
Goat: 2									
Ventersdor	p, Ventersdorp	Diereklin	iek						
Beef: 1									
Kwazulu-Na									
	ergville Veteri	nary Clini	С						
Beef: 2									
-	tcourt Vet Cli	nic							
Beef: 2, Dairy									
	Mtubatuba A	nimal Clin	ic						
Beef: 2, Goat									
	zburg, Richmo	ona Veteri	nary Clinic	3					
Sheep: 1		Climin							
	ongola Animal	CIINIC							
Beef: 1, Sheep: 1, Goat: 1									
Eastern Cape Alexandria Alexandria Blatteland Enreekkamer									
Alexandria, Alexandria Platteland Spreekkamer									
Beef: 1	at Camadahaa	Votorina	a, Clinia						
Graam-Kein Goat: 1	et, Camdeboo	vecerinal	y Clinic						
Jansenville									
Janisenville									

Sweating	Sickness								_	
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average	1.0 (1)	1.0 (2)	1.0 (1)	3.0 (1)	1.7 (3)	1.0 (1)				
Level of imported	ortance scale: 1	= one case	e, 2 = more	than or	ne case	but less than	ten and 3	= more tha	n 10 cases	
Beef	1.0 (1)	1.0 (2)	1.0 (1)	3.0 (1)	1.7 (3)	1.0 (1)				
Mpumalanga Middelburg , Middelburg Dierehospitaal Beef: 1 Gauteng Hammanskraal, Themba Animal Clinic Beef: 1 Pretoria, Anima Veterinary Consulting Rooms Beef: 1 Limpopo Mokopane, Dr Henk Visser Beef: 1 North West Christiana, Christiana Dierehospitaal Beef: 3 Free State Hoopstad, Hoopstad Dierekliniek Beef: 2 Wesselsbron, Wesselsbron Dierekliniek Beef: 1 Winburg, Winburg Dierekliniek Beef: 2 Kwazulu-Natal Pongola, Pongola Animal Clinic Beef: 1										
Corridor (	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Norther Cape	
Average						1.0 (1)		_		
Level of imported	ortance scale: 1	= one case	e, 2 = more	than or	ne case	but less than	ten and 3	= more tha	n 10 cases	
Beef						1.0 (1)				
Beef: 1	ngola Animal									
	ransmittab in disease	le Dise	ases							

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West			Eastern Cape	Western Cape	Northern Cape	
Average	1.7 (3)	1.5 (2)	2.3 (4)	1.0 (1)	2.1 (16)	2.5 (13)	2.3 (3)	1.0 (1)	3.0 (1)	
Level of imported	ortance scale: 1	= one case	e, 2 = more	e than or	ne case l	but less than	ten and 3	= more tha	n 10 cases	
Beef	1.7 (3)	1.5 (2)	2.3 (4)	1.0 (1)	2.1 (16)	2.5 (11)	2.3 (3)	1.0 (1)	3.0 (1)	
Dairy						2.5 (2)				
Mpumalanga										
Balfour, Balfour Dierekliniek										
Beef: 1										
	lalelane Dierel	kliniek								
Beef: 2	,									
Piet Retief, Beef: 2	Pets Vet Hosp	ıtaı								
Gauteng										
_	spruit, Kerkstr	aat Dierel	kliniek							
Beef: 2	. , , , , , , , , , , , , , , , , , , ,									
Hammanskı	raal, Themba <i>A</i>	Animal Cli	nic							
Beef: 1										
Limpopo										
Makhado, B Beef: 2	louberg Dierel	kliniek								
	Dr Henk Visse	<u> </u>								
Beef: 3	Di Helik Visse									
	Pietersburg V	eterinary	Clinic							
Beef: 3		-								
	aneen Dierekl	iniek								
Beef: 1										
North West			_1							
Beef: 1	Christiana Die	renospita	aı							
Free State										
	Bethlehem An	imal Hos	pital							
Beef: 3										
	Freestate Bet	hlehem S	<b>V</b>							
Beef: 1		144								
Bloemfonte Beef: 2	in, Dr Stephan	wessels								
	, Platkop Dier	ekliniek								
Beef: 3	, i lathop biel	Civillier								
	Dosvrystaat Di	ere Produ	kte							
Beef: 2	-									
	Harrismith Die	erehospita	aal							
Beef: 3										
Beef: 3	loopstad Diere		_							
	Kroonstad, Kroonstad Dierehospitaal									
Beef: 2										
Memel, Memel Veterinary Clinic Beef: 2										
Parys, Parys Dierehospitaal										
Beef: 2	•									
Reitz, Riem	land Dierehos <sub>l</sub>	pitaal								

Beef: 3	
Senekal, Senekal Dierekliniek Beef: 1	
Viljoenskroon, Viljoenskroon Dierekliniek Beef: 1	
Vrede, Saulshoek Dierepraktyk Beef: 2	
Wesselsbron, Wesselsbron Dierekliniek Beef: 1	
Winburg, Winburg Dierekliniek	
Beef: 2	
Kwazulu-Natal	
Bergville, Bergville Veterinary Clinic Beef: 3	
Camperdown, Camperdown Vet Clinic Beef: 2	
Dundee, Endumeni Herd health	
Beef: 3	
Estcourt, Estcourt Vet Clinic Beef: 3, Dairy: 2	
Howick, Howick Veterinary Clinic	
Beef: 3, Dairy: 3	
Mtubatuba, Mtubatuba Animal Clinic	
Beef: 2	
Newcastle, Ncanduvet Newcastle	
Beef: 1	
Pietermaritzburg, Richmond Veterinary Clinic	
Beef: 2	
Pongola, Pongola Animal Clinic	
Beef: 2	
Underberg, Underberg Veterinary Surgery	
Beef: 3	
Unvaccinated - emerging farmers	
Vryheid, Vryheid Privaat Veeartse	
Beef: 3	
Eastern Cape	
Cradock, Cradock Veterinary Clinic	
Beef: 2	
Sporadic occurrence	
Middelburg (EC), Steynsburg Dierehospitaal	
Beef: 2	
Queenstown, Queenstown Veterinary clinic	
Beef: 3	
Western Cape	
George, George Animal Hospital	
Beef: 1	
Northern Cape	
Kimberley, Kimberley Dierekliniek	
Beef: 3	
Three-day-stiffsickness	

Three-day-stiffsickness									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)	2.3 (4)	2.0 (2)	1.0 (1)	1.8 (6)	1.8 (5)	3.0 (2)	2.3 (3)	1.0 (1)

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

reported									
				1.0	1.0				
Beef	2.0 (1)	2.3 (3)	2.0 (2)	1.0 (1)	1.8 (6)	2.0 (3)	3.0 (2)	3.0 (1)	1.0(1)
Dairy		2.0 (1)				1.5 (2)		2.0 (2)	
Mpumalang									
Balfour, Ba	lfour Diereklin	iek							
Beef: 2									
Gauteng									
	spruit, Kerkstr	raat Dierel	kliniek						
Beef: 2, Dair	•								
	raal, Themba	Animal Cli	nic						
Beef: 3									
	nima Veterinar	y Consulti	ing Rooms	3					
Beef: 2									
Limpopo									
	Blouberg Diere	kliniek							
Beef: 2									
2 animals									
	, Pietersburg \	eterinary/	Clinic						
Beef: 2									
North West									
	<b>Christiana Die</b>	rehospita	al						
Beef: 1									
Free State									
	, Bethlehem Ar	nimal Hosp	oital						
Beef: 1									
	ein, Dr Stephar	1 Wessels							
Beef: 2									
	Harrismith Di	erehospita	aal						
Beef: 2									
	Kroonstad Die	erehospita	al						
Beef: 1									
	land Dierehos	pitaai							
Beef: 3	an Viliaanalee	aan Diawal	دا:ما:ماد						
Beef: 2	on, Viljoenskr	oon Dierei	Kiiniek						
Kwazulu-Na	atal .								
	atai Bergville Veteri	nanı Clini	•						
Beef: 2	ergymie veteri	iiai y Ciiili	L						
	dumeni Herd l	health							
Beef: 3, Dair		cuitti							
	y. 1 stcourt Vet Cli	nic							
Dairy: 2									
	ongola Animal	Clinic							
Beef: 1									
Eastern Cap	ре								
_	n, Queenstow	n Veterina	ry clinic						
Beef: 3	, ,		•						
	n, Stutterheim	Veterinar	y Clinic						
Beef: 3									
Western Ca	ре								
	verberg Veteri	nary Hosp	ital						
Dairy: 1	_								
	y, Dr Otto Krie	k							
Beef: 3									
Quite surpris	ing to see this d	isease in a	drought stri	icken are	ea, but a	all 3 affected	I farms had	wet areas, o	of which
	vleis/pools and							,	
Dairy: 3									

Quite surprising to see this disease in a drought stricken area, but all 3 affected farms had wet areas, of which one had wet vleis/pools and 2 had leaking water troughs.

I	OP	rth	ern	Ca	pe
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Kimberley,	Kimberley	y Dierekliniek
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Beef: 1

Blue tong	ue								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (4)	2.0 (5)	2.0 (1)	1.8 (4)	1.9 (10)	2.4 (5)	2.0 (4)	1.8 (4)	

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

Beef	1.0 (1)				3.0 (1)				
Sheep	1.0 (3)	2.0 (5)	2.0 (1)	1.8 (4)	1.8 (9)	2.4 (5)	2.0 (4)	1.8 (4)	

#### Mpumalanga

#### **Balfour, Balfour Dierekliniek**

Sheep: 1

### **Bethal, Bethal Dierekliniek**

Beef: 1

#### Middelburg, Middelburg Dierehospitaal

Sheep: 1

#### **Nelspruit, Nelspruit Animal Hospital**

Sheep: 1

Gauteng

# Bapsfontein, Bapsfontein Dierehospitaal

Sheep: 2

# **Bronkhorstspruit, Kerkstraat Dierekliniek**

Sheep: 2

# Magaliesburg, Magaliesburg; Dr Ryan Jeffrey

Sheep: 2

## **Pretoria, Anima Veterinary Consulting Rooms**

Sheep: 2

### Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Sheep: 2 **Limpopo** 

## Makhado, Blouberg Dierekliniek

Sheep: 2 2 cases

# North West

# Brits, Brits Dierekliniek

Sheep: 2

#### Klerksdorp, Klerksdorp Dierehospitaal

Sheep: 1

#### Leeudoringstad, Leeudoringstad Dierekliniek

Sheep: 2

# Ventersdorp, Ventersdorp Dierekliniek

Sheep: 2

## Free State

## **Bethlehem, Freestate Bethlehem SV**

Sheep: 2

## **Bloemfontein, Dr Stephan Wessels**

Sheep: 3

Clocolan Cl	ocolan Dierek	liniek							
	ocolan bierek	шек							
Sheep: 2	, Platkop Dier	okliniok							
Sheep: 2	, Ріаскор Біеі	ekiiiiek							
•	osvrystaat Di	oro Produ	ıkto						
Beef: 3	JUSVI YSLAAL DI	ere Proud	INCE						
	Harrismith Di	arahasnit:							
Sheep: 1	וומווואווונוו טוי	erenospic	aaı						
Ladybrand,	Ladybrand								
Sheep: 1	Lauybranu								
	and Dierehos	nitaal							
Sheep: 2	and Dierenos	pitaai							
	on, Viljoenskro	on Diere	kliniak						
Sheep: 1	Jii, Viijoeiiski	Joil Diele	KIIIIICK						
	shoek Dierepr	aktyk							
Sheep: 2	Silver Dierepi	untyn							
Kwazulu-Na	tal								
	dumeni Herd h	nealth							
Sheep: 2		.carcii							
	tcourt Vet Clir	nic							
Sheep: 3									
	Ncanduvet Ne	wcastle							
Sheep: 1									
	Underberg Ve	terinary S	Surgery						
Sheep: 3			J - 1						
	heid Privaat \	/eeartse							
Sheep: 3									
Eastern Cap	е								
<b>Aliwal Nortl</b>	ı, Hertzogbrug	Diereklii	niek						
Sheep: 2									
Cradock, Cr	adock Veterin	ary Clinic							
Sheep: 3									
<b>Graaff-Rein</b>	et, Graaff Reir	net Veteri	nary Clinic	С					
Sheep: 2									
	(EC), Steynsb	urg Diere	hospitaal						
Sheep: 1									
Western Ca									
	est, Beaufort [	Diereklinie	ek						
Sheep: 2									
	tongue in Klaars			nsultatio	n				
	(WC), Heidelb	erg Diere	kliniek						
Sheep: 1			_						
	Piketberg Dier	ehospitaa	ıl						
Sheep: 3									
	ast year's lambs			s - A and	I B vacci	nated but no	t C		
	h, Stellenbosc	h Animal	Hospital						
Sheep: 1									
Venerea	Diseases								
Trichomo	nosis								^
THEHOIHO	110515								
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape

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

3.0

(2)

1.7 (3)

Average

1.9 (10)

1.8 (4)

1.0(1)

reported									
Beef	1.7 (3)			3.0 (2)	1.9 (10)	2.0 (3)	1.0(1)		
Dairy						1.0(1)			
Mpumalang	a								
	four Diereklin	iek							
Beef: 1									
Middelburg	, Middelburg I	Dierehosp	itaal						
Beef: 2	,								
Volksrust, C	ape Cross Vol	ksrust Die	erehospita	al					
Beef: 2									
<b>North West</b>									
Klerksdorp,	Klerksdorp Di	erehospit	aal						
Beef: 3									
Stella, Stella	a Dierekliniek								
Beef: 3									
Free State									
Bethlehem,	<b>Freestate Bet</b>	hlehem S	V						
Beef: 1									
<b>Bloemfonte</b>	in, Dr Stephan	Wessels							
Beef: 1									
	e Wepener area								
Harrismith,	Harrismith Die	erehospita	aal						
Beef: 2									
Hertzogville	e, Hertzogville	Diereklin	iek						
Beef: 1									
	loopstad Diere	ekliniek							
Beef: 3									
	Kroonstad Die	rehospita	al						
Beef: 2									
	nel Veterinary	Clinic							
Beef: 2									
	gepoort Dierel	kliniek Ve	nnootskap	)					
Beef: 3									
	shoek Dierepra	aktyk							
Beef: 2									
	inburg Dierek	liniek							
Beef: 2									
Kwazulu-Na									
	dumeni Herd h	nealth							
Beef: 2	1.1 1/.1. 1	Ol' .'.							
•	wick Veterinar	y Clinic							
Beef: 2, Dairy									
	Ncanduvet Ne	wcastie							
Beef: 2									
Eastern Cap		- Diavaldi:	.!l.						
Beef: 1	n, Hertzogbrug	, Dierekili	HER						
Deel. I									
Vibriosis									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape

2.0

(3)

**Average** 

1.0 (1) 2.0 (1)

Level of imporeported	ortance scale: 1	= one case	e, 2 = more	e than or	ne case	but less than	ten and 3	= more tha	n 10 cases
Beef					2.0 (3)		1.0 (1)		
Dairy								2.0(1)	
Free State									
Kroonstad,	Kroonstad Die	rehospita	al						
Beef: 2									
	nekal Dierekli	niek							
Beef: 2	(:k D:l-	!!!-I-							
<b>windurg, w</b> Beef: 2	inburg Dierek	ппек							
Eastern Cap	ne								
-	n, Queenstow	n Veterina	ry clinic						
	pe <sub>/</sub> , Malmesbury	Dierehos	pitaal						
Dairy: 2									
Pizzle dis	ease								_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average		1.0(1)	1.0(1)				1.5 (2)		
reported Sheep	ortance scale: 1		1.0 (1)	c ulail of	ie case	Duc less than	2.0 (1)	- more tria	II 10 cases
Goat							1.0 (1)		
Gauteng									
	ima Veterinar	y Consult	ing Rooms	5					
Sheep: 1 <b>Limpopo</b>									
	Pietersburg V	eterinary	Clinic						
Sheep: 1		•							
Eastern Cap									
	et, Camdeboo	Veterina	y Clinic						
Goat: 1	ot Craaff Bair	act Votori	namı Clinia	•					
Sheep: 2	et, Graaff Reii	iet veteri	nary Cililio	<u>u</u>					
·	l Disease (	other)							
Blackqua	rter								_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (3)		2.0 (2)	1.3 (3)	2.0 (7)	2.7 (3)	1.0 (1)		
Level of impore	ortance scale: 1	= one case	e, 2 = more	e than or	ne case	but less than	ten and 3	= more tha	n 10 cases
Beef	2.0 (2)		20(1)	1.3	2.0	2.5 (2)	1.0(1)		
PECI	2.0 (3)		2.0 (1)	1.3	2.0	-2.5(2)	1.0 (1)		

				,	4.5				
				(3)	(6)				
Dairy					2.0 (1)				
Sheep			2.0 (1)			3.0 (1)			
Mpumalang	a						•		
	four Diereklin	iek							
Beef: 2									
Ermelo, Mo	regloed Veteri	nêre Spre	ekkamer						
Beef: 2									
Volksrust, C	Cape Cross Vol	ksrust Die	erehospita	al					
Beef: 2									
Limpopo									
	louberg Diere	kliniek							
Sheep: 2									
	ordellii - 6 anima								
	Pietersburg V	eterinary	Clinic						
Beef: 2									
North West									
	Klerksdorp Di	erehospit	aal						
Beef: 1									
	stad, Leeudori	ngstad Di	erekliniek						
Beef: 2									
Adult cattle	n Vontovodovu	Diaraklin	iale						
Beef: 1	p, Ventersdorp	Dierekiir	нек						
Free State									
	ocolan Dierek	liniak							
Beef: 3, Dairy		IIIIEK							
	y. 2 Harrismith Di	arahasnit	I						
Beef: 3	namsilitii Di	erenospic	aaı						
	shoek Dierepr	aktyk							
Beef: 2	SHOCK DICICPI	аксук							
	e Dierehospita	nal							
Beef: 1									
Wesselsbro	n, Wesselsbro	n Dierekli	niek						
Beef: 1	,								
Winburg, W	inburg Dierek	liniek							
Beef: 2									
Kwazulu-Na	atal								
Underberg,	<b>Underberg Ve</b>	terinary S	Surgery						
Beef: 3									
Unvaccinated	l animals, emer	ging farme	rs						
Sheep: 3									
	l animals, emerg		S						
Vryheid, Vr	yheid Privaat \	/eeartse							
Beef: 2									
Eastern Cap									
	h, Hertzogbrug	j Dierekli	niek						
Beef: 1									
Botulism									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.0 (1)	2.0 (1)		2.0 (1)	

Level of impore	ortance scale: 1	= one case	e, 2 = more	e than or	ne case l	but less than	ten and 3	= more tha	n 10 cases
Beef					2.0 (1)	2.0 (1)			
Dairy							,	2.0(1)	
Free State								2.0 (1)	
	nekal Dierekli	niek							
Beef: 2									
Kwazulu-Na									
	ergville Veteri	nary Clini	С						
Beef: 2									
Western Car	pe verberg Veterii	narv Hosn	ital						
Dairy: 2	erberg vetern	пагу поэр	icai						
Pulpy Kid	lney								_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.5 (2)	1.0 (2)	2.0 (1)	3.0	2.1	2.0 (2)	1.0(3)	1.5 (2)	3.0 (1)
710 C. u.g.c	1.5 (2)	1.0 (2)	2.0 (1)	(2)	(7)	2.0 (2)	1.0 (3)	1.5 (2)	5.0 (1)
Level of imported	ortance scale: 1	= one case	e, 2 = more	than or	ne case	but less than	ten and 3	= more tha	n 10 cases
Sheep	1.5 (2)	1.0 (1)	2.0 (1)	3.0 (1)	2.1 (7)	2.0 (2)	1.0 (2)	1.5 (2)	3.0 (1)
Goat		1.0 (1)		3.0 (1)			1.0 (1)		
Mpumalang	а								
	four Diereklin	iek							
Sheep: 1			_						
	lelspruit Anima	al Hospita							
Sheep: 2									
Gauteng Bansfontoin	, Bapsfontein	Dierehosi	nitaal						
Sheep: 1, Go	•	Dicicios	Jilaai						
Limpopo	ut. I								
	Pietersburg V	eterinary	Clinic						
Sheep: 2									
North West									
	, Dr CM Kruge	r-Rall							
Sheep: 3, Go	at: 3								
Free State	Evenetata Dall	hlabarr C	,						
Sheep: 1	Freestate Bet	menem S	7						
	in, Dr Stephan	Wessels							
Sheep: 3	, Di Stepilali								
	ocolan Dierek	liniek							
Sheep: 3									
•	rankfort Diere	kliniek							
Sheep: 3									
	Harrismith Die	erehospita	aal						
Sheep: 1									
	land Dierehos	pitaal							
Sheep: 2									

Vilioenskro	on, Viljoenskro	oon Dierel	kliniek						
Sheep: 2	, <u>, -</u>								
Kwazulu-Na									
Dundee, En	dumeni Herd h	nealth							
Sheep: 1									
	Underberg Ve	terinary S	Surgery						
Sheep: 3									
Eastern Cap		<b>D</b> '	. • . •						
	n, Hertzogbrug	Diereklii	niek						
Sheep: 1	et, Camdeboo	Votorina	a, Clinic						
Sheep: 1, Go	•	veterillai	y Cillic						
Western Ca									
	(WC), Heidelb	era Dierel	kliniek						
Sheep: 1	.,,								
	, Dr Otto Krie	k							
Sheep: 2									
Northern Ca	•								
	Karoo Veterina	ary Hospit	al						
Sheep: 3									
Lamb dys	entry								_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					1.0 (1)				
Level of impo reported	ortance scale: 1	= one case	e, 2 = more	than or	ne case	but less than	ten and 3	= more tha	n 10 cases
Sheep					1.0 (1)				
Free State					<u> </u>	_			
larrismith,	Harrismith Die	erehospita	aal						
Sheep: 1		•							
Swelled h	nead diseas	е							_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northerr Cape
Average			1.0 (1)		1.0 (1)				
Level of imported	ortance scale: 1	= one case	e, 2 = more	than or	ne case	but less than	ten and 3	= more tha	n 10 cases
Beef			1.0 (1)		1.0 (1)				
Limpopo					- <del> </del>				
	Dr Henk Visse	r							
Beef: 1									
ree State									
	shoek Dierepra	aktyk							
Beef: 1									

Northern Cape
an 10 cases
nan 10 cases
Northerr Cape
an 10 cases
C

Western Cap									
<b>George, Geo</b> Sheep: 2	orge Animal Ho	ospitai							
эпеер. 2									
Tetanus									_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)				1.0 (3)				
Level of importance scale: $1 = $ one case, $2 = $ more than one case but less than ten and $3 = $ more than 10 cases reported									
Beef	1.0(1)				1.0 (2)				
Sheep					1.0 (1)				
Mpumalang	a								
Piet Retief,	Pets Vet Hosp	ital							
Beef: 1									
Free State			_						
	Harrismith Die	erehospit	aal						
Beef: 1									
Reitz, Riemland Dierehospitaal									
	and Dierehos	pitaal							
Sheep: 1									
Sheep: 1 Vrede, Vred	and Dierehos <sub>l</sub> e Dierehospita								
Sheep: 1 Vrede, Vred									
Sheep: 1 Vrede, Vred	e Dierehospita								_
Sheep: 1 Vrede, Vred Beef: 1 Salmonel	e Dierehospita	aal	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Sheep: 1 Vrede, Vred Beef: 1 Salmonel	e Dierehospita	aal	Limpopo				Cape		
Sheep: 1 Vrede, Vrede Beef: 1 Salmonel PROVINCE Average	e Dierehospita losis Mpumalanga	Gauteng		West	2.0 (1)	Natal 2.0 (1)	<b>Cape</b> 2.0 (1)	Cape	Cape
Sheep: 1 Vrede, Vrede Beef: 1 Salmonel PROVINCE Average	e Dierehospita  losis  Mpumalanga  1.0 (1)	Gauteng		West	2.0 (1)	Natal 2.0 (1)	<b>Cape</b> 2.0 (1)	Cape	Cape
Sheep: 1 Vrede, Vrede Beef: 1 Salmonel PROVINCE Average Level of imporeported Beef	e Dierehospita  losis  Mpumalanga  1.0 (1)  ortance scale: 1	Gauteng		West	2.0 (1) ne case	Natal  2.0 (1)  out less than	<b>Cape</b> 2.0 (1)	Cape	Cape
Sheep: 1 Vrede, Vrede Beef: 1 Salmonel PROVINCE Average Level of imporeported Beef Sheep Mpumalang	e Dierehospita  losis  Mpumalanga  1.0 (1)  ortance scale: 1  1.0 (1)	Gauteng  = one case		West	2.0 (1) ne case	Natal  2.0 (1)  out less than	2.0 (1) ten and 3	Cape	Cape
Sheep: 1 Vrede, Vrede Beef: 1 Salmonel PROVINCE Average Level of imporeported Beef Sheep Mpumalang Balfour, Balfour, Balfour, Balfour	e Dierehospita  losis  Mpumalanga  1.0 (1)  ortance scale: 1  1.0 (1)	Gauteng  = one case		West	2.0 (1) ne case	Natal  2.0 (1)  out less than	2.0 (1) ten and 3	Cape	Cape
Sheep: 1 Vrede, Vrede Beef: 1 Salmonel PROVINCE Average Level of imporeported Beef Sheep Mpumalang Balfour, Balf Beef: 1	e Dierehospita  losis  Mpumalanga  1.0 (1)  ortance scale: 1  1.0 (1)	Gauteng  = one case		West	2.0 (1) ne case	Natal  2.0 (1)  out less than	2.0 (1) ten and 3	Cape	Cape
Sheep: 1 Vrede, Vrede Beef: 1 Salmonel PROVINCE Average Level of impore reported Beef Sheep Mpumalang Balfour, Balf Beef: 1 Free State Bloemfontei	e Dierehospita  losis  Mpumalanga  1.0 (1)  ortance scale: 1  1.0 (1)	Gauteng  = one case		West	2.0 (1) ne case	Natal  2.0 (1)  out less than	2.0 (1) ten and 3	Cape	Cape
Sheep: 1 Vrede, Vrede Beef: 1 Salmonel PROVINCE Average Level of imporeported Beef Sheep Mpumalang Balfour, Balf Beef: 1 Free State Bloemfontei Beef: 2	e Dierehospita  losis  Mpumalanga  1.0 (1)  ortance scale: 1  1.0 (1)  a  four Diereklini  in, Dr Stephan	Gauteng  = one case		West	2.0 (1) ne case	Natal  2.0 (1)  out less than	2.0 (1) ten and 3	Cape	Cape
Sheep: 1 Vrede, Vrede Beef: 1 Salmonel PROVINCE Average Level of imporeported Beef Sheep Mpumalang Balfour, Balf Beef: 1 Free State Bloemfontei Beef: 2 Kwazulu-Na	e Dierehospita  losis  Mpumalanga  1.0 (1)  ortance scale: 1  1.0 (1)  a four Diereklini in, Dr Stephan	Gauteng  = one case		West	2.0 (1) ne case	Natal  2.0 (1)  out less than	2.0 (1) ten and 3	Cape	Cape
Sheep: 1 Vrede, Vrede Beef: 1 Salmonel PROVINCE Average Level of imporeported Beef Sheep Mpumalang Balfour, Balt Beef: 1 Free State Bloemfontei Beef: 2 Kwazulu-Na Dundee, End	e Dierehospita  losis  Mpumalanga  1.0 (1)  ortance scale: 1  1.0 (1)  a  four Diereklini  in, Dr Stephan	Gauteng  = one case		West	2.0 (1) ne case	Natal  2.0 (1)  out less than	2.0 (1) ten and 3	Cape	Cape
Sheep: 1 Vrede, Vrede Beef: 1 Salmonel PROVINCE Average Level of imporeported Beef Sheep Mpumalang Balfour, Balf Beef: 1 Free State Bloemfontei Beef: 2 Kwazulu-Na Dundee, End Beef: 2	losis  Mpumalanga  1.0 (1)  ortance scale: 1  1.0 (1)  a four Diereklini in, Dr Stephan	Gauteng  = one case		West	2.0 (1) ne case	Natal  2.0 (1)  out less than	2.0 (1) ten and 3	Cape	Cape
Sheep: 1 Vrede, Vrede, Beef: 1 Salmonel PROVINCE Average Level of imporeported Beef: 1 Sheep Mpumalang Balfour, Balf Beef: 1 Free State Bloemfontei Beef: 2 Kwazulu-Na Dundee, End Beef: 2 Eastern Cap	losis  Mpumalanga  1.0 (1)  ortance scale: 1  1.0 (1)  a four Diereklini in, Dr Stephan	Gauteng  = one case iek wessels	e, 2 = more	west e than or	2.0 (1) ne case	Natal  2.0 (1)  out less than	2.0 (1) ten and 3	Cape	Cape

Brucella	abortus								^	
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average	2.0 (2)		1.7 (3)	2.5 (2)	2.1 (7)				3.0 (1)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported										
Beef	2.0 (2)		1.7 (3)	2.5 (2)	2.1 (7)				3.0 (1)	
Mpumalang										
	regloed Veteri	nêre Spre	ekkamer							
Beef: 3										
	, Middelburg I	Dierehosp	itaal							
Beef: 1										
Limpopo	loubora Dioro	kliniok								
Beef: 3	Makhado, Blouberg Dierekliniek									
16 positives										
	Dr Henk Visse	r								
Beef: 1		•								
	Polokwane, Pietersburg Veterinary Clinic									
Beef: 1		,								
<b>North West</b>										
Klerksdorp, Klerksdorp Dierehospitaal										
Beef: 2										
	j, Dr CM Kruge	er-Rall								
Beef: 3										
48 cattle pos	itive									
Free State										
Beef: 1	Freestate Bet	nienem S	V							
	blem in my area	and I thin	k all over ti	na farma	arc are n	ot testing an	d if there :	are nocitive	animals the	
	ures are not app		K all Over ti	ic railine	is ale ii	or testing an	u ii tilele t	are positive	ariiriais trie	
	o, Platkop Dier									
Beef: 1	., <b>,</b>									
Frankfort, F	rankfort Diere	kliniek								
Beef: 3										
Hertzogville, Hertzogville Dierekliniek										
Beef: 2										
	loopstad Diere	ekliniek								
Beef: 3 Villians Wildensort Disveldinisk Vonnactskan										
Villiers, Wilgepoort Dierekliniek Vennootskap										
Beef: 3 Winburg, Winburg Dierekliniek										
Beef: 2										
Northern Ca	ape									
	Kimberley Die	rekliniek								
Beef: 3										
19 positive a	nimals in a herd									
Brucella	ovis								^	

PROVINCE Mpumalanga Gauteng Limpopo North Free Kwazulu- Eastern Cape Northern Cape

Average	1.0 (1)				3.0 (1)		1.0 (1)		
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									n 10 cases
Sheep	1.0 (1)				3.0 (1)		1.0 (1)		
Mpumalang									
	regloed Veteri	nêre Spre	ekkamer						
Sheep: 1 Free State									
	Dr Nienke van	Hasselt S	SV .						
Sheep: 3									
Eastern Cap Oueenstown	oe n, Queenstowi	n Veterina	rv clinic						
Sheep: 1	., Queenstern		,						
Johne`s	disease								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average								1.5 (2)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Sheep								1.5 (2)	
Western Ca	•								
Darling, Tyg Sheep: 1	gerberg Diereh	ospitaal l	Darling						
	y, Bergzight Di	ierehospit	taal						
Sheep: 2									
Septicaer	mia								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.0 (1)	1.0 (1)	3.0 (1)	1.0 (1)	2.0 (1)
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef					2.0 (1)	1.0(1)	3.0 (1)		
Dairy								1.0(1)	
Sheep									2.0 (1)
Free State Clocolan, Clocolan Dierekliniek									
Beef: 2	ocolan Dierek	iiniek							
Kwazulu-Na									
	dumeni Herd h	nealth							
Beef: 1  Eastern Cap	e e								

<b>Stutterheim</b> Beef: 3	<b>,</b>								
	in calves -seption	raemic nas	teurellosis						
Western Ca <sub>l</sub>	•	acime pas	icui ciiosis						
	n, Stellenbosc	h Animal	Hoenital						
Dairy: 1	i, Stellelibosc	II Allillai	nospitai						
Northern Ca									
	vinia Veearts	kliniek							
Sheep: 2									
Neonatal sept	icaemia								
E. coli									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northeri Cape
Average	2.5 (6)	2.3 (3)	1.0 (1)	2.4 (8)	2.5 (15)	1 1 1 4 1	1.5 (2)	2.0 (1)	
Level of impore	ortance scale: 1	= one case	e, 2 = more	e than or	ne case	but less than	ten and 3	= more tha	n 10 cases
Beef	2.7 (3)			2.0 (4)	2.4 (7)	3.0 (1)	1.0(1)		
Dairy		3.0 (1)			3.0 (1)	3.0 (1)		2.0 (1)	
Sheep	2.3 (3)	2.0 (2)		3.0 (3)	2.4 (7)	2.0 (1)	2.0 (1)		
Goat			1.0 (1)	2.0 (1)					
Mpumalang									
	four Diereklin	iek							
Beef: 3									
	, Middelburg I	Dierehosp	itaal						
Beef: 3, Shee	p: 3								
Standerton,	Econovet								
Beef: 2, Shee									
Volksrust, C	ape Cross Vol	ksrust Die	erehospita	al					
Sheep: 2									
Gauteng									
	aal, Themba <i>l</i>	Animal Cli	nic						
Sheep: 1									
	g, Magaliesbu	ırg; Dr Rv	an Jeffrey	1					
Dairy: 3									
•	nic <i>E. coli</i> in dai	ry calves							
Sheep: 3		,							
Limpopo									
	Pietersburg V	eterinary	Clinic						
Goat: 1	. receising v	CCCI IIIai y	Jiiiic						
North West									
	Christiana Die	rehospita	al						
Beef: 1									
	Klerksdorp Di	erehospit	aal						
Beef: 3, Shee									
	tad, Leeudori	ngstad Di	erekliniek						
Sheep: 3	, =======								

	g, Dr CM Kruge	r-Rall							
Beef: 1									
Calves									
	, Bergbos Dier	ekliniek							
Goat: 2									
Ventersdor	p, Ventersdorp	Diereklin	iek						
Beef: 3, Shee	ep: 3								
Free State									
Bloemfonte	in, Dr Stephan	Wessels							
Sheep: 3									
Clocolan, Cl	ocolan Dierek	iniek							
Beef: 3, Dairy	y: 3, Sheep: 3								
Harrismith,	<b>Harrismith Di</b>	erehospita	aal						
Beef: 2, Shee	ep: 2								
Hertzogville	e, Hertzogville	Diereklin	iek						
Sheep: 2									
Hoopstad, I	Hoopstad Diere	kliniek							
Beef: 3, Shee									
•	Kroonstad Die	rehospita	al						
Sheep: 2									
	nekal Dierekli	niek							
Beef: 1, Shee									
	on, Viljoenskro	on Dierel	kliniek						
Beef: 3									
	gepoort Dierel	diniek Ve	nnootskar	)					
Beef: 2	<u> </u>								
	inburg Dierek	liniek							
Beef: 3									
Kwazulu-Na	atal								
	wick Veterinar	v Clinic							
Dairy: 3	WICK VCCCIIIIai	y Cillic							
	zburg, Richmo	nd Veteri	nary Clinia						
Sheep: 2	zburg, Kicillio	iid VCtCiii	ilary Cillin						
	Underberg Ve	tarinary S	urgory						
Beef: 3	Oliderberg ve	termary 3	urgery						
	10								
Eastern Cap	et, Graaff Reir	ot Votorii	namı Clinia	_					
	et, Graan Ken	iet veterii	nary Cililic	<u> </u>					
Sheep: 2		\/a+a!	· · · · · · · · · · · ·						
	p, Humansdor	p veterina	ary Clinic						
Beef: 1									
Western Ca	•								
	erberg Veterii	nary Hosp	ital						
Dairy: 2									
Enzootic	Abortion								^
Elizootic	ADOITION								-
PROVINCE	M	Ct	• :	North	Free	Kwazulu-	Eastern	Western	Northern
PROVINCE	Mpumalanga	Gauteng	гшьоьо	West	State	Natal	Cape	Cape	Cape
					2.0				
Average	1.0(1)								
					(2)				
Laval at her				. <b>.</b>		h.uk laga tiba	hon = 2	manus His	n 10
	ortance scale: 1	= one case	e, $2 = more$	tnan or	ne case	but less than	ten and 3	= more tha	n 10 cases
reported									
					2.0				
Sheep	1.0(1)				(2)				
					(2)				
Mpumalang									
Ermelo, Mo	regloed Veteri	nêre Spre	ekkamer						

Free State									
	rankfort Diere	kliniek							
Sheep: 3	D		<b>.</b>						
Sheep: 1	Rowelsfonteir	i veearts :	<b>Spreekkan</b>	ner					
эпеер. 1									
Dermato	philosis (Lu	mpy Wo	ol)						_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)	3.0 (1)			2.5 (2)				
Level of imported	ortance scale: 1	= one case	e, 2 = more	than or	ne case	but less than	ten and 3	= more tha	n 10 cases
Sheep	1.0 (1)	3.0 (1)			2.5 (2)				
Mpumalang									
	ape Cross Vol	ksrust Die	erehospita	al					
Sheep: 1									
Gauteng Brookboret		nnt D!	lelimi a le						
Bronkhorsts Sheep: 3	spruit, Kerkstr	aat Diere	кипиек						
Sneep: 3 Feedlot outbr	eak								
Free State	Cur								
	rankfort Diere	kliniek							
Sheep: 3									
Harrismith,	Harrismith Di	erehospita	aal						
Sheep: 2									
Intrauter	ine Gangre	ne							_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					1.0 (1)				
						•			
	ortance scale: 1	= one case	e, 2 = more	than or	ne case l	but less than	ten and 3	= more tha	n 10 cases
Level of imported  Sheep	ortance scale: 1	= one case	e, 2 = more	e than or	1.0 (1)	but less than	ten and 3	= more tha	n 10 cases
Sheep Free State				e than or	1.0	but less than	ten and 3	= more tha	n 10 cases
reported  Sheep  Free State Wesselsbro	ortance scale: 1			e than or	1.0	but less than	ten and 3	= more tha	n 10 cases
Sheep Free State				e than or	1.0	but less than	ten and 3	= more tha	n 10 cases
reported  Sheep  Free State Wesselsbro		n Dierekli	niek		1.0 (1)	but less than	ten and 3	= more tha	n 10 cases
Free State Wesselsbro Sheep: 1 Bovine Do	n, Wesselsbro	n Dierekli osis (Ser	niek 1kobo di		1.0 (1)	Kwazulu- Natal	ten and 3  Eastern Cape	western	Northern

Beef: 3 Western Cap Beorge, Geo Beef: 2	nel Veterinary				(1)			2.0 (1)	
Beef: 3 Western Cap Beorge, Geo Beef: 2	nel Veterinary								<u>l</u> .
<b>Western Ca</b> George, Geo Beef: 2		Clinic							
George, Geo Beef: 2	nΔ								
	orge Animal Ho	ospital							
Fusibacte	erium necro	phorum							
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northeri Cape
Average	2.0 (1)				3.0 (1)	2.0 (1)		2.5 (2)	
Level of impore	ortance scale: 1	= one case	e, 2 = more	e than or	ne case	but less than	ten and 3	= more tha	n 10 cases
Beef								2.0 (1)	
Dairy						2.0(1)		3.0 (1)	
Sheep	2.0 (1)				3.0 (1)				
1pumalang									
	Cape Cross Vol	ksrust Die	erehospita	al					
Sheep: 2 Free State									
	nel Veterinary	Clinic							
Sheep: 3									
(wazulu-Na		·ia							
Dairy: 2	tcourt Vet Clir	IIC .							
Western Ca	ре								
	, Malmesbury	Dierehos	pitaal						
Beef: 2, Dairy	<b>/</b> : 3								
Listeriosi	S								_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northeri Cape
Average						2.0 (1)			
Level of imported	ortance scale: 1	= one case	e, 2 = more	than or	ne case	but less than	ten and 3	= more tha	n 10 cases
Beef						2.0(1)			
(wazulu-Na	ıtal								
Bergville, Be Beef: 2	ergville Veteri	nary Clini	С						

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average				1.0 (1)	1.0 (1)				
Level of imported	ortance scale: 1	= one case	e, 2 = more	e than or	ne case	but less than	ten and 3	= more tha	n 10 cases
Beef				1.0 (1)	1.0 (1)				
North West									
Christiana,	Christiana Die	rehospita	al						
Beef: 1									
	s lignieresii = Ca	ttle x 1							
Free State	e Dierehospita	a a l							
Beef: 1	e Dierenospita	1 <b>a</b> 1							
Wooden tong	jue								
	al diseases	(other	)						
Coccidios		(00.00)							^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.7 (3)	2.0 (4)	1.5 (2)	1.0 (1)	2.0 (6)	2.0 (2)	2.4 (5)	1.6 (5)	
Level of imported	ortance scale: 1	= one case	e, 2 = more	e than or	ne case	but less than	ten and 3	= more tha	n 10 cases
Beef	3.0 (1)	3.0 (1)			1.5 (2)				
Dairy						2.0(1)		1.7 (3)	
Sheep	3.0 (1)	1.0 (1)	1.5 (2)		2.3 (4)	2.0 (1)	2.5 (2)	1.5 (2)	
Goat	2.0 (1)	2.0 (2)		1.0 (1)			2.3 (3)		
Mpumalang	ja								
	, Middelburg I	Dierehosp	itaal						
Beef: 3, Shee			•						
Nelspruit, N Goat: 2	lelspruit Anim	aı Hospita	11						
Goat: 2  Gauteng									
	raal, Themba A	Animal Cli	nic						
Goat: 2									
	t, Muldersdrift	: Animal F	lospital						
Beef: 3									
Calves			• =						
	nima Veterinar	y Consult	ing Rooms	S					
Sheep: 1	nderstepoort A	cademic	Hosnital a	nd Drod	luction	Animal Clin	ic		
Goat: 2	idei stepuult A	Caucille	i iospitai a	11u F100	iaction	Annual CIII			
Limpopo									

	Blouberg Dierel	kliniek								
Sheep: 2										
8 cases										
	, Pietersburg V	eterinary	Clinic							
Sheep: 1										
North West										
Klerksdorp,	Klerksdorp Di	erehospit	aal							
Goat: 1										
Free State										
	in, Dr Stephan	Wessels								
Sheep: 3			_							
	Harrismith Die	erehospita	aal							
Beef: 1, Shee	•									
Ladybrand,	Ladybrand									
Sheep: 2	land Diamakaa									
Beef: 2	land Dierehos	oitaai								
	gangert Diaral	diniak Va	nnootokor	•						
Sheep: 3	gepoort Dierek	uniek vei	mootskap	,						
Kwazulu-Na	atal									
	wick Veterinar	v Clinic								
Dairy: 2	THER VECEIIIIAI	, chine								
	zburg, Richmo	nd Veteri	nary Clinio	<u> </u>						
Sheep: 2	Lbary, Ricillio	na vecen	ilary Cillin	<b>-</b>						
Eastern Cap	oe .									
	r Jane Pistoriu	s								
Goat: 2										
	et, Camdeboo	Veterinar	y Clinic							
Goat: 3	•		•							
Grahamstov	wn, Ikhala Vet	erinary W	ildlife Ser	vices						
Sheep: 2, Go		-								
Middelburg	(EC), Steynsb	urg Dierel	nospitaal							
Sheep: 3										
<b>Western Ca</b>	ре									
Darling, Tyg	gerberg Diereh	ospitaal [	Darling							
Sheep: 1										
Adult sheep										
	(WC), Heidelb	erg Dierel	kliniek							
Dairy: 1										
	y, Malmesbury	Dierehos	pitaal							
Dairy: 2, She										
	h, Stellenbosc	h Animal I	Hospital							
Dairy: 2										
Cryptosp	oridium								^	
Стурсоор									_	
		_		North	Free	Kwazulu-	Eastern	Western	Northern	
PROVINCE	Mpumalanga	Gauteng	Limpopo	West	State		Cape	Cape	Саре	
							•			
				2.0	2.5					
Average	1.8 (5)				(4)	2.7 (3)				
				(1)	(4)					
Lovel of imp	ortance scale: 1	– one cace	2 - more	than or	no caco l	out loce than	ton and 3	- more tha	n 10 cacoc	
reported	ortance scale. 1	- One case	:, Z – IIIOIE	tilali oi	ie case i	but less triair	ten and 3	- more ura	II 10 Cases	
reported						ı				
Roof	1.7(2)				3.0	2.0 (1)				
Beef	1.7 (3)				(1)	2.0 (1)				
				2.0						
Dairy						3.0(1)				
				(1)						

Sheep	2.0 (2)				2.3 (3)	3.0 (1)			
Mpumalang									
	four Diereklin	iek							
Beef: 1									
	nal Diereklinie	K							
Sheep: 1	Maria de la composición della								
	Middelburg D	vierenospi	ıtaaı						
Beef: 3, Shee									
Standerton, Beef: 1	Econovet								
North West									
	, Bergbos Dier	rokliniok							
Dairy: 2	, beignos biei	CKIIIICK							
Free State									
	ocolan Dierek	liniek							
Beef: 3, Shee		cix							
	Harrismith Di	erehospita	aal						
Sheep: 2									
	gepoort Dierel	kliniek Ve	nnootskar	)					
Sheep: 3	•		<b>.</b>						
Kwazulu-Na	ital								
Estcourt, Es	tcourt Vet Clir	nic							
Beef: 2, Dairy	v: 3, Sheep: 3								
Fungal d	iseases								
Ringworr	n								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
PROVINCE  Average	Mpumalanga	Gauteng	<b>Limpopo</b> 2.0 (1)	West					
Average			2.0 (1)	2.0 (1)	3.0 (1)	3.0 (1)	Cape	1.8 (4)	Саре
Average  Level of impo	1.0 (2)		2.0 (1)	2.0 (1)	3.0 (1)	3.0 (1)	Cape	1.8 (4)	Саре
Average  Level of imporeported	1.0 (2) ortance scale: 1		2.0 (1)	2.0 (1) e than or 2.0	3.0 (1) ne case 3.0	3.0 (1)	Cape	1.8 (4) = more that 1.5 (2)	Саре
Average  Level of imporeported  Beef  Dairy	1.0 (2) ortance scale: 1		2.0 (1) e, 2 = more	2.0 (1) e than or 2.0	3.0 (1) ne case 3.0	3.0 (1)	Cape	1.8 (4) = more that 1.5 (2) 2.0 (1)	Саре
Average  Level of impore reported  Beef  Dairy Sheep	1.0 (2) ortance scale: 1		2.0 (1)	2.0 (1) e than or 2.0	3.0 (1) ne case 3.0	3.0 (1)	Cape	1.8 (4) = more that 1.5 (2)	Саре
Average  Level of impore reported  Beef  Dairy Sheep  Mpumalang	1.0 (2) ortance scale: 1 1.0 (2)	= one case	2.0 (1) e, 2 = more 2.0 (1)	2.0 (1) e than or 2.0	3.0 (1) ne case 3.0	3.0 (1)	Cape	1.8 (4) = more that 1.5 (2) 2.0 (1)	Саре
Average  Level of impore reported  Beef  Dairy Sheep  Mpumalang Ermelo, More	1.0 (2) ortance scale: 1	= one case	2.0 (1) e, 2 = more 2.0 (1)	2.0 (1) e than or 2.0	3.0 (1) ne case 3.0	3.0 (1)	Cape	1.8 (4) = more that 1.5 (2) 2.0 (1)	Саре
Average  Level of impore reported  Beef  Dairy Sheep  Mpumalang Ermelo, Mora Beef: 1  Middelburg	1.0 (2) ortance scale: 1 1.0 (2)	= one case	2.0 (1) e, 2 = more  2.0 (1)  2.0 (1)	2.0 (1) e than or 2.0	3.0 (1) ne case 3.0	3.0 (1)	Cape	1.8 (4) = more that 1.5 (2) 2.0 (1)	Саре
Average  Level of impore reported  Beef  Dairy Sheep  Mpumalang Ermelo, Moi Beef: 1 Middelburg Beef: 1	1.0 (2)  ortance scale: 1  1.0 (2)  a regloed Veteri	= one case	2.0 (1) e, 2 = more  2.0 (1)  2.0 (1)	2.0 (1) e than or 2.0	3.0 (1) ne case 3.0	3.0 (1)	Cape	1.8 (4) = more that 1.5 (2) 2.0 (1)	Саре
Average  Level of imporeported  Beef  Dairy Sheep  Mpumalang Ermelo, Moi Beef: 1 Middelburg Beef: 1 Limpopo	1.0 (2)  ortance scale: 1  1.0 (2)  a regloed Veteri , Middelburg I	= one case	2.0 (1) e, 2 = more  2.0 (1)  2.0 (1)	2.0 (1) e than or 2.0	3.0 (1) ne case 3.0	3.0 (1)	Cape	1.8 (4) = more that 1.5 (2) 2.0 (1)	Саре
Average  Level of impore reported  Beef  Dairy  Sheep  Mpumalang Ermelo, Mora Beef: 1  Middelburg Beef: 1  Limpopo Makhado, B	1.0 (2)  ortance scale: 1  1.0 (2)  a regloed Veteri	= one case	2.0 (1) e, 2 = more  2.0 (1)  2.0 (1)	2.0 (1) e than or 2.0	3.0 (1) ne case 3.0	3.0 (1)	Cape	1.8 (4) = more that 1.5 (2) 2.0 (1)	Саре
Average  Level of impore reported  Beef  Dairy  Sheep  Mpumalang Ermelo, Mora Beef: 1  Middelburg Beef: 1  Limpopo Makhado, B  Sheep: 2	1.0 (2)  ortance scale: 1  1.0 (2)  a regloed Veteri , Middelburg I	= one case	2.0 (1) e, 2 = more  2.0 (1)  2.0 (1)	2.0 (1) e than or 2.0	3.0 (1) ne case 3.0	3.0 (1)	Cape	1.8 (4) = more that 1.5 (2) 2.0 (1)	Саре
Average  Level of impore reported  Beef  Dairy  Sheep  Mpumalang Ermelo, Mora Beef: 1  Middelburg Beef: 1  Limpopo Makhado, B  Sheep: 2 4 cases	1.0 (2)  ortance scale: 1  1.0 (2)  a regloed Veteri , Middelburg I	= one case	2.0 (1) e, 2 = more  2.0 (1)  2.0 (1)	2.0 (1) e than or 2.0	3.0 (1) ne case 3.0	3.0 (1)	Cape	1.8 (4) = more that 1.5 (2) 2.0 (1)	Саре
Average  Level of impore reported  Beef  Dairy  Sheep  Mpumalang Ermelo, Mora Beef: 1  Middelburg Beef: 1  Limpopo Makhado, B  Sheep: 2 4 cases North West	1.0 (2)  ortance scale: 1  1.0 (2)  a regloed Veteri , Middelburg I	= one case nêre Spre Dierehosp kliniek	2.0 (1) e, 2 = more  2.0 (1)  ekkamer	2.0 (1) e than or 2.0	3.0 (1) ne case 3.0	3.0 (1)	Cape	1.8 (4) = more that 1.5 (2) 2.0 (1)	Саре
Average  Level of imporeported  Beef  Dairy  Sheep  Mpumalang Ermelo, Mor Beef: 1  Middelburg Beef: 1  Limpopo Makhado, B Sheep: 2 4 cases North West Christiana,	1.0 (2)  ortance scale: 1  1.0 (2)  a regloed Veteri , Middelburg I	= one case nêre Spre Dierehosp kliniek	2.0 (1) e, 2 = more  2.0 (1)  ekkamer	2.0 (1) e than or 2.0	3.0 (1) ne case 3.0	3.0 (1)	Cape	1.8 (4) = more that 1.5 (2) 2.0 (1)	Саре
Average  Level of imporeported  Beef  Dairy  Sheep  Mpumalang Ermelo, Mor Beef: 1  Middelburg Beef: 1  Limpopo Makhado, B Sheep: 2 4 cases North West Christiana, 6 Beef: 2	1.0 (2)  ortance scale: 1  1.0 (2)  a regloed Veteri , Middelburg I	= one case nêre Spre Dierehosp kliniek	2.0 (1) e, 2 = more  2.0 (1)  ekkamer	2.0 (1) e than or 2.0	3.0 (1) ne case 3.0	3.0 (1)	Cape	1.8 (4) = more that 1.5 (2) 2.0 (1)	Саре
Average  Level of imporeported  Beef  Dairy  Sheep  Mpumalang Ermelo, Moi Beef: 1  Middelburg Beef: 1  Limpopo Makhado, B Sheep: 2 4 cases North West Christiana, 6 Beef: 2 Free State	1.0 (2)  ortance scale: 1  1.0 (2)  a regloed Veteri , Middelburg I  louberg Diere  Christiana Die	= one case nêre Spre Dierehosp kliniek rehospita	2.0 (1) e, 2 = more  2.0 (1) ekkamer sitaal	2.0 (1) e than or 2.0	3.0 (1) ne case 3.0	3.0 (1)	Cape	1.8 (4) = more that 1.5 (2) 2.0 (1)	Саре
Average  Level of imporeported  Beef  Dairy  Sheep  Mpumalang Ermelo, Moi Beef: 1  Middelburg Beef: 1  Limpopo Makhado, B Sheep: 2 4 cases North West Christiana, 6 Beef: 2 Free State	1.0 (2)  ortance scale: 1  1.0 (2)  a regloed Veteri , Middelburg I	= one case nêre Spre Dierehosp kliniek rehospita	2.0 (1) e, 2 = more  2.0 (1) ekkamer sitaal	2.0 (1) e than or 2.0	3.0 (1) ne case 3.0	3.0 (1)	Cape	1.8 (4) = more that 1.5 (2) 2.0 (1)	Саре

Kwazulu-Natal											
Pietermarit	zburg, Richmo	nd Veteri	narv Clinio	c							
Beef: 3			,								
Western Ca	pe										
	est, Beaufort \	Nest State	e Vet								
Sheep: 2	,										
Young Dorpe	r lambs										
	, Malmesbury	Dierehos	nitaal								
Beef: 2, Dairy		210101100	prica.								
	h, Stellenbosc	h Animal	Hospital								
Beef: 1	.,										
Viral Dis	eases (oth	er)									
вмс									^		
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Average	2.0 (3)	1.0 (1)	2.0 (2)	1.5 (4)	1.0 (6)	2.0 (1)	l				
Level of impore	ortance scale: 1	= one case	e, 2 = more	than or	ne case	but less than	ten and 3	= more tha	n 10 cases		
Beef	2.0 (3)	1.0(1)	2.0 (2)	1.5 (4)	1.0 (6)	2.0 (1)					
Mpumalang	a										
Balfour, Bal	four Diereklin	iek									
Beef: 3											
Ermelo, Moi	regloed Veteri	nêre Spre	ekkamer								
Beef: 2											
Middelburg,	, Middelburg D	ierehospi	taal								
Beef: 1											
Gauteng											
<b>Bronkhorsts</b>	spruit, Kerkstr	aat Diere	kliniek								
Beef: 1											
Limpopo											
	Dr Henk Visse	r									
Beef: 3											
	Pietersburg V	eterinary	Clinic								
Beef: 1											
North West			_								
	Christiana Die	rehospita	al								
Beef: 1											
	Klerksdorp Di	erehospit	aal								
Beef: 2	<b>_</b>										
	, Dr CM Kruge	er-Kall									
Beef: 1		D:									
-	o, Ventersdorp	Diereklir	іек								
Beef: 2											
Free State	Pothlohom A	imal IIaa	nital								
Bethlehem, Bethlehem Animal Hospital											
Beef: 1											
Beef: 1											
	Bloemfontein, Dr Stephan Wessels										
Bloemfontein, Dr Stephan Wessels Beef: 1											
	loopstad Dier	akliniak									
i ioopstau, i	ioopstau Diei (	CKIIIICK									

Beef: 1									
	Kroonstad Die	rehospita	al						
Beef: 1									
Senekal, Se Beef: 1	nekal Dierekli	niek							
Kwazulu-Na	ntal								
Mtubatuba,	Mtubatuba Ar	nimal Clin	ic						
Beef: 2									
BVD (Bov	vine viral dia	arrhoea)							^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average			1.0 (1)		1.0 (1)				
Level of impore	ortance scale: 1	= one case	e, 2 = more	than or	ne case	but less than	ten and 3	= more tha	ın 10 cases
Beef			1.0 (1)		1.0 (1)				
Limpopo									
	Vaalwater Die	respreekk	amer						
Beef: 1 Cow with mu	cocal disease								
Free State	cosai disease								
	Harrismith Di	erehospita	aal						
Beef: 1									
Enzootic	Povino Lou	cocic (FI	31 <b>\</b>						
	Boville Leuc	LUSIS (EI	SL)						^
	Mpumalanga			North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
PROVINCE Average		Gauteng	Limpopo	West	State	2.0 (1)	1.0 (1)	Cape	Cape
PROVINCE  Average  Level of imporeported	Mpumalanga	Gauteng	Limpopo	West	State	2.0 (1)	1.0 (1) ten and 3	Cape  = more than	Cape
PROVINCE  Average  Level of imporeported  Beef	Mpumalanga ortance scale: 1	Gauteng	Limpopo	West	State	2.0 (1) but less than	1.0 (1) ten and 3	Cape  = more than	Cape
Average Level of imporeported Beef Kwazulu-Na	Mpumalanga ortance scale: 1	Gauteng  = one case	<b>Limpopo</b> e, 2 = more	West	State	2.0 (1) but less than	1.0 (1) ten and 3	Cape  = more than	Cape
Average Level of imporeported  Beef Kwazulu-Na Underberg, Beef: 2	Mpumalanga ortance scale: 1 otal Underberg Ve	Gauteng  = one case	<b>Limpopo</b> e, 2 = more	West	State	2.0 (1) but less than	1.0 (1) ten and 3	Cape  = more than	Cape
Average Level of imporeported Beef Kwazulu-Na Underberg, Beef: 2 Eastern Cap	Mpumalanga  ortance scale: 1  atal  Underberg Ve	Gauteng  = one case terinary S	Limpopo e, 2 = more	West	State	2.0 (1) but less than	1.0 (1) ten and 3	Cape  = more than	Cape
Average Level of imporeported Beef Kwazulu-Na Underberg, Beef: 2 Eastern Cap Humansdor	Mpumalanga ortance scale: 1 otal Underberg Ve	Gauteng  = one case terinary S	Limpopo e, 2 = more	West	State	2.0 (1) but less than	1.0 (1) ten and 3	Cape  = more than	Cape
Average Level of imporeported Beef Kwazulu-Na Underberg, Beef: 2 Eastern Cap Humansdor	Mpumalanga  ortance scale: 1  atal  Underberg Ve	Gauteng  = one case terinary S	Limpopo e, 2 = more	West	State	2.0 (1) but less than	1.0 (1) ten and 3	Cape  = more than	Cape
Average Level of imporeported Beef Kwazulu-Na Underberg, Beef: 2 Eastern Cap Humansdor Beef: 1	Mpumalanga  ortance scale: 1  atal  Underberg Ve	Gauteng  = one case terinary S	Limpopo e, 2 = more	West	State	2.0 (1) but less than	1.0 (1) ten and 3	Cape  = more than	Cape
PROVINCE  Average  Level of imporeported  Beef  Kwazulu-Na Underberg, Beef: 2 Eastern Cap Humansdor Beef: 1  Orf	Mpumalanga  ortance scale: 1  atal  Underberg Ve	Gauteng  = one case terinary S	Limpopo  e, 2 = more	West	State	2.0 (1) but less than 2.0 (1)  Kwazulu-	1.0 (1) ten and 3	= more tha	Cape
Average Level of imporeported  Beef Kwazulu-Na Underberg, Beef: 2 Eastern Cap Humansdor Beef: 1 Orf	Mpumalanga  ortance scale: 1  atal  Underberg Ve  pe p, Humansdor	Gauteng  = one case terinary S  p Veterina Gauteng	Limpopo  e, 2 = more  Gurgery  ary Clinic  Limpopo	West than or	State  ne case	Natal  2.0 (1) but less than  2.0 (1)  Kwazulu- Natal	1.0 (1) ten and 3 1.0 (1)  Eastern Cape	Cape  = more than  Western	Cape In 10 cases  Northern

Sheep	1.3 (3)		2.0 (1)	2.0	2.0			1.7 (3)
Sileep	1.3 (3)		2.0 (1)	(1)	(3)			1.7 (3)
Goat	2.0 (1)	1.5 (2)	2.0 (1)	2.0 (1)		1.5 (2)	1.0 (1)	
Mpumalang	ga						,	
Balfour, Ba	lfour Diereklin	iek						
Sheep: 1								
Ermelo, Mo	regloed Veteri	nêre Spre	ekkamer					
Sheep: 1								
Nelspruit, I Goat: 2	Nelspruit Anim	al Hospita	ı <b>l</b>					
Volksrust,	Cape Cross Vol	ksrust Die	erehospita	al				
Sheep: 2			•					
Gauteng								
Hammansk	raal, Themba A	Animal Cli	nic					
Goat: 2								
Pretoria, A	nima Veterinar	y Consult	ing Rooms	3				
Goat: 1								
Limpopo								
Makhado, E	<b>Blouberg Diere</b>	kliniek						
Sheep: 2								
6 cases								
Polokwane	, Pietersburg V	eterinary	Clinic					
Goat: 2								
North West	t							
	<b>Christiana Die</b>	rehospita	al					
Sheep: 2, Go	oat: 2							
Free State								
	, Bethlehem Ar	nimal Hos	pital					
Sheep: 2								
	p, Platkop Dier	ekliniek						
Sheep: 3								
	enekal Dierekli	niek						
Sheep: 1								
Kwazulu-N			_					
	, Mtubatuba Aı	nımal Clin	IC					
Goat: 2		CI!!-						
	ongola Animal	Clinic						
Goat: 1								
Eastern Ca		Votovinos	ar Climia					
Goat: 1	net, Camdeboo	veterinai	y Clinic					
Western Ca	no							
	ape /est, Beaufort \	Noct State	a Vot					
Sheep: 1	est, beautoft t	r <del>ve</del> st Stati	e vel					
Vaccine prod	luced							
	orge Animal H	nenital						
deorge, de	orge Ammai N	ospitai						

deorge, dec	bige Allilliai n	ospitai							
Sheep: 3									
Stellenbosc	h, Stellenbosc	h Animal	Hospital						
Sheep: 1									
Warts									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
	1.0(2)		2.0 (1)	2.0	1.5	2.0 (2)	2.0 (1)	1.2.(2)	2.0 (1)

						II			
				(1)	(4)				
Level of impe	ortance scale: 1	= 0ne cas	2 = more	than or	ne case l	nut less than	ten and 3	= more tha	n 10 cases
reported	ortanice scale. I	- One case	c, z – more	. criaii Ul	ic case I	out icoo tiiall	con and 3	- more ula	11 10 (0363
	1.0.(2)		2.0 (1)	2.0	1.3	2.0.(2)	2.0 (1)	2.0 (1)	
Beef	1.0 (2)		2.0 (1)	(1)	(3)	2.0 (2)	2.0 (1)	2.0 (1)	
Dairy						•		1.0(2)	
<b>0</b> 1					2.0				
Sheep					(1)				_
Goat									2.0 (1)
Mpumalang	a								
	four Diereklin	iek							
Beef: 1									
	Cape Cross Vol	ksrust Die	erehospita	al					
Beef: 1									
Limpopo									
	louberg Diere	kliniek							
Beef: 2 2 cases									
North West									
	Klerksdorp Di	arahasnit	eal						
Beef: 2	Kierksdorp Di	crenospic	aaı						
Free State									
Clocolan, Cl	ocolan Dierek	liniek							
Beef: 1									
Harrismith,	<b>Harrismith Di</b>	erehospit	aal						
Beef: 2, Shee									
	n, Wesselsbro	n Dierekli	niek						
Beef: 1									
Kwazulu-Na		oli .i.							
Pongola, Po Beef: 1	ongola Animal	Clinic							
	yheid Privaat \	looartco							
Beef: 3	yileiu Filvaat i	recartse							
Eastern Car	ne.								
	Alexandria Pla	atteland S	Spreekkam	ner					
Beef: 2									
<b>Western Ca</b>	ре								
George, Geo	orge Animal H	ospital							
Beef: 2									
	y, Dr Otto Krie	k							
Dairy: 1	l. Gralla da	l. A .• l							
	h, Stellenbosc	n Animai	Hospitai						
Dairy: 1 Northern Ca	ano								
	rg, Postmasbu	ra Dierek	liniek						
Goat: 2	9, 1 000	. g =							
Rota viru	IS								^
					_	17			M
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average						1.0(1)			
Level of impo	ortance scale: 1	= one case	e, 2 = more	than or	ne case l	but less than	ten and 3	= more tha	n 10 cases

Nazulu-Natal Saticourt, Estcourt Vet Clinic Salary: 1  Corona Virus  PROVINCE Mpumalanga Gauteng Limpopo Rorth Mest State Royal Satient Salary: 1  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  Average 2.0 (1)  Application Dierekliniek Reference Salary Royal Satient Royal Royal Satient Royal S	reported									
Average 2.0 (1)  PROVINCE Mpumalanga Gauteng Limpopo Morth Free West State Wazulu Eastern Cape Northern Cape  PROVINCE Mpumalanga Gauteng Limpopo Morth Province Scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  PROVINCE Mpumalanga Gauteng Limpopo Morth West State Wazulu Eastern Cape Northern Cape  2.0 (1)  Average 2.0 (1)  PROVINCE Mpumalanga Gauteng Limpopo Morth West State Wazulu Eastern Cape Morthern Cape  2.0 (1)  Average 2.0 (1)  Average 2.0 (1)  Evel of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  4.0 (1)  Free Matal Cape Western Northern Cape  Average 2.0 (1)  Evel of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  2.0 (1)  Evel of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  2.0 (1)  Free Mazulu Eastern Western Northern Cape  Average 2.0 (1)  Evel of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  Average 2.0 (1)  Evel of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  Average 2.0 (1)  Evel of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported in portance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported in portance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported in portance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported in portance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported in portance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported in portance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases report							1.0.(1)			
Corona Virus  PROVINCE Mpumalanga Gauteng Limpopo North reported  Average 2.0 (1)  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  Average 2.0 (1)  Average 3.0 (1)  Average 3.0 (1)  Average 3.0 (1)  Average 3.0 (1)  Average 4.1 (1)  Average 5.1 (1)  Average 6.1 (1)  Average 8.1 (1)  Average 9.2 (1)  Average 1.0 (1)  Average 1.0 (1)  Average 2.0 (1)  Average 2.0 (1)  Average 3.0 (1)  Average 3.0 (1)  Average 6.1 (1)  Average 8.1 (1)  Average 9.2 (1)  Average 9.2 (1)  Average 1.0 (1)  Average 1.0 (1)  Average 1.0 (1)  Average 2.0 (1)  Average 2.0 (1)  Average 2.0 (1)  Average 1.0 (1)  Average 2.0 (1)  Average 2.0 (1)  Average 3.0 (1)  Average 2.0 (1)  Average 3.0 (1)  Average 3.0 (1)  Average 9.2 (1)  Average 1.0 (1)  Average 1.0 (1)  Average 1.0 (1)  Average 2.0 (1)  Average 2.0 (1)  Average 2.0 (1)  Average 3.0 (1)  Average		ntal					1.0 (1)			
PROVINCE Mpumalanga Gauteng Limpopo Nest State State Resident Reported Cape Cape Cape Northern Cape Cape Cape Cape Cape Cape Cape Cape			nic							
PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu- Eastern Cape Cape Northern Cape  Average 2.0 (1)  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  Other viral disease not listed  PROVINCE Mpumalanga Gauteng Limpopo North West State Natal Eastern Cape Cape Cape Cape  Average 2.0 (1)  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Cape Cape Cape Cape Cape Cape Cape Cape	Dairy: 1									
Average 2.0 (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 scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  Average 2.0 (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 scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported	Corona V	irus								^
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  Apumalanga Balfour, Balfour Dierekliniek leef: 2  Other viral disease not listed  PROVINCE Mpumalanga Gauteng Limpopo North West Free Kwazulu- Cape Cape Northern Cape Cape Northern Cape  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported	PROVINCE	Mpumalanga	Gauteng	Limpopo						
Reported  Seef 2.0 (1)  Apumalanga Salfour, Balfour Dierekliniek  Jeef: 2  Other viral disease not listed  PROVINCE Mpumalanga Gauteng Limpopo North West State State Natal  PROVINCE Mpumalanga Gauteng Limpopo North State S	Average	2.0 (1)								
Approvince Mpumalanga Gauteng Limpopo North West State Natal Eastern Cape Northern Cape  PROVINCE Mpumalanga Gauteng Limpopo North West State Natal Eastern Cape Northern Cape  2.0 (1)  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  3.0 (1)  3.0 (1)  4.0 (	Level of imported	ortance scale: 1	= one case	e, 2 = more	than or	ne case	but less than	ten and 3	= more tha	n 10 cases
Average  2.0 (1)  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  2.0 (1)  Seef  2.0 (1)  Average  2.0 (1)  Cardiac glycoside poisoning  PROVINCE Mpumalanga Gauteng Limpopo Morth West  1.0 (1)  Average  2.0 (2)  Average  2.0 (1)  Cardiac glycoside poisoning  Average  1.0 (1)  1.0 (1)  2.0 (1)  Cardiac glycoside poisoning  Average  1.0 (1)  2.0 (2)  Cardiac glycoside poisoning  Average  1.0 (1)  2.0 (1)  Cardiac glycoside poisoning  2.0 (2)  Cardiac glycoside poisoning  Average  1.0 (1)  2.0 (1)  Cardiac glycoside poisoning  2.0 (2)  Cardiac glycoside poisoning  Average  1.0 (1)  2.0 (1)  Cardiac glycoside poisoning  Average  2.0 (2)  Cardiac glycoside poisoning  Average  1.0 (1)  2.0 (1)  Cardiac glycoside poisoning  Average	Beef	2.0 (1)								
Detriviral disease not listed  PROVINCE Mpumalanga Gauteng Limpopo Rorth West Free State Roward  2.0 (1)  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  Bauteng Agaliesburg, Magaliesburg; Dr Ryan Jeffrey Jeef: 2 Jowns with fever of unknown origin (viral?)  Poisonings (Plant) and Fungal  Cardiac glycoside poisoning  PROVINCE Mpumalanga Gauteng Limpopo North West State Roward Road Royal Ro			iok							
PROVINCE Mpumalanga Gauteng Limpopo West State Kwazulu- Cape Western Cape  2.0 (1)  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  2.0 (1)  Sauteng Magaliesburg; Dr Ryan Jeffrey Jeef: 2  Lows with fever of unknown origin (viral?)  Prosonings (Plant) and Fungal  Cardiac glycoside poisoning  PROVINCE Mpumalanga Gauteng Limpopo West State Kwazulu- Rate Natal Cape Western Cape  1.0 (1)  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported State Natal Cape Western Cape Northern Cape  2.0 (2)  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported State Natal Cape Northern Cape State State Natal Cape State Northern Cape State State Natal Cape State Natal	Beef: 2	iour Dierekiin	IEK							
Average  2.0 (1)  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  3.0 (1)  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  3.0 (1)  3.0 (1)  4.0 (1)  Average  1.0 (1)  4.0 (1)  4.0 (1)  5.0 (1)	Other vir	al disease n	ot listed							^
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  3.0 (1)  3.0 (1)  3.0 (2)  4.0 (2)  4.0 (2)  4.0 (2)  4.0 (2)  4.0 (2)  4.0 (3)  4.0 (1)  5.0 (1)  5.0 (2)  6.0 (1)  6	PROVINCE	Mpumalanga	Gauteng	Limpopo						
Reef 2.0 (1)  Gauteng  Magaliesburg, Magaliesburg; Dr Ryan Jeffrey  Reef: 2  Rows with fever of unknown origin (viral?)  Proisonings (Plant) and Fungal  Cardiac glycoside poisoning  PROVINCE Mpumalanga Gauteng Limpopo North West State Natal  1.0 (1)  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  Reef 2.0 (1)  Rorth West Brits, Brits Dierekliniek	Average		2.0 (1)							
Agaaliesburg, Magaliesburg; Dr Ryan Jeffrey  Beef: 2  Cows with fever of unknown origin (viral?)  Poisonings (Plant) and Fungal  Cardiac glycoside poisoning  PROVINCE Mpumalanga Gauteng Limpopo West State Natal  1.0 (1)  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  Sheep  1.0 (1)  2.0 (1)  Corth West  Brits, Brits Dierekliniek	Level of impore	ortance scale: 1	= one case	e, 2 = more	than or	ne case	but less than	ten and 3	= more tha	n 10 cases
Agagaliesburg, Magaliesburg; Dr Ryan Jeffrey  Beef: 2  Cows with fever of unknown origin (viral?)  Poisonings (Plant) and Fungal  Cardiac glycoside poisoning  PROVINCE Mpumalanga Gauteng Limpopo North West State Natal Eastern Cape Northern Cape  1.0 (1)  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  Seef 2.0 (1)  Cheep 1.0 (1)  Cheep 2.0 (1)  Cheep 2.0 (1)	Beef		2.0 (1)							
Cardiac glycoside poisoning  PROVINCE Mpumalanga Gauteng Limpopo West State  1.0 (1)  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  Seef 2.0 (1)  Logorth West State St	Gauteng									
PROVINCE Mpumalanga Gauteng Limpopo North West State   Natal   Eastern Cape   Northern Cape    Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported    Sheep   1.0 (1)    Shorth West Brits, Brits Dierekliniek		rg, Magaliesbu	ırg; Dr Ry	an Jeffrey						
PROVINCE Mpumalanga Gauteng Limpopo West State Kwazulu- Cape Cape Cape  1.0 (1)  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  Seef 2.0 (1)  Sheep 1.0 (1)  Sorth West Brits, Brits Dierekliniek		ver of unknown	origin (vira	l?)						
PROVINCE Mpumalanga Gauteng Limpopo West State Kwazulu-Ratel Cape Cape Cape  1.0 (1)  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  Seef 2.0 (1)  Sheep 1.0 (1)  1.0 (1)  2.0 (1)  2.0 (1)	Poisonin	gs (Plant)	and Fu	ngal						
Average  Limpopo West State Natal Cape Cape  1.0 (1)  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  Seef  2.0 (1)  1.0 (1)  2.0 (1)  3.0 (1)  4.0 (1)  4.0 (1)  4.0 (1)  5.0 (1)  6.0	Cardiac g	lycoside po	isoning							^
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  Seef  2.0 (1)  1.0 (1)  2.0 (1)  Sheep  1.0 (1)  Corth West  Brits, Brits Dierekliniek	PROVINCE	Mpumalanga	Gauteng	Limpopo						
2.0 (1)     2.0	Average								2.0 (2)	
Sheep 1.0 (1) North West Brits, Brits Dierekliniek	Level of impore	ortance scale: 1	= one case	e, 2 = more	than or	ne case	but less than	ten and 3	= more tha	n 10 cases
Sheep 1.0 (1) North West Brits, Brits Dierekliniek	Beef								2.0(1)	
Brits, Brits Dierekliniek	Sheep								` `	
	North West									
	Brits, Brits I Sheep: 1	Dierekliniek								
Nestern Cape		ре								

	est, Beaufort V	West State	e Vet						
Beef: 2									
Drought									
Sheep: 2									
Drought									
Cestrum									4
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northerr Cape
Average					2.0 (1)				
Level of impo reported	ortance scale: 1	= one case	e, 2 = more	than or	ne case	but less than	ten and 3	= more tha	n 10 cases
Beef					2.0 (1)				
ree State									
	Dierehospita	al							
Beef: 2									
Two deaths									
Cynanchu	<i>ım</i> poisonin	g							_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northerr Cape
Average							2.0 (1)		
Level of impo reported	ortance scale: 1	= one case	e, 2 = more	e than or	ne case	but less than	ten and 3	= more tha	n 10 cases
Dairy							2.0(1)		
Eastern Cap	Α								
-	c Alexandria Pla	atteland S	preekkam	ner					
Dairy: 2									
Facial ecz	ema								_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.0 (1)				
Level of impo reported	ortance scale: 1	= one case	e, 2 = more	e than or	ne case	but less than	ten and 3	= more tha	n 10 cases
Sheep					2.0 (1)				
Free State Villiers, Wilg Sheep: 2	gepoort Dierek	kliniek Ve	nnootskap	)					
	pp/Dikoor								

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.0 (1)		1.0 (1)	1.5 (2)	
Level of imported	ortance scale: 1	= one case	e, 2 = more	than or	ne case l	but less than	ten and 3	= more tha	n 10 cases
Sheep					2.0 (1)		1.0 (1)	1.5 (2)	
Free State									
	gepoort Dierel	kliniek Ve	nnootskap	)					
Sheep: 2									
Eastern Cap		Votoring	ar Climin						
<b>Graaтт-кеіп</b> Sheep: 1	et, Camdeboo	vecerinal	y Clinic						
Western Ca	pe								
	est, Beaufort \	West State	e Vet						
Sheep: 2									
	er drought, duw	weltjies							
	erberg Veteri	nary Hosp	ital						
Sheep: 1									
Gifblaar									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average							1.0 (1)		
Level of impore	ortance scale: 1	= one case	e, 2 = more	than or	ne case l	but less than	ten and 3	= more tha	n 10 cases
Beef							1.0(1)		
Eastern Cap	10								
	n, Queenstowi	n Veterina	rv clinic						
Beef: 1	, &		,						
Kikuyu po	oisoning								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average							2.0 (1)		
Level of imported	ortance scale: 1	= one case	e, 2 = more	than or	ne case l	but less than	ten and 3	= more tha	n 10 cases
Dairy							2.0(1)		
Eastern Cap	e e								
	Alexandria Pla	atteland S	preekkan	ner					
Alexandria,			-						
<b>Alexandria,</b> Dairy: 2 <b>Lantana</b>									^

				1.0					
Average		1.0 (1)		(1)		1.5 (2)			
evel of impo	ortance scale: 1	= one case	e, 2 = more	e than or	ne case	but less than	ten and 3	= more tha	n 10 case
eef		1.0 (1)		1.0 (1)		1.5 (2)			
auteng				( )					
	raal, Themba A	Animal Cli	nic						
eef: 1 lorth West									
	Dierekliniek								
eef: 1									
(wazulu-Na Iewcastle	ital Ncanduvet Ne	wcastle							
eef: 1		vicastic							
	/heid Privaat \	/eeartse							
eef: 2									
Nitrate p	oisoning								
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northei Cape
Average					2.0 (1)				
_evel of impore	ortance scale: 1	= one case	e, 2 = more	than or	ne case	but less than	ten and 3	= more tha	n 10 case
Beef					2.0				
					(1)				
Vesselsbro	n, Wesselsbro	n Dierekli	niek						
<b>Vesselsbro</b> Beef: 2	n, Wesselsbro		niek						
Wesselsbro Beef: 2 Prussic a		ıg		North West	(1)	Kwazulu- Natal	Eastern Cape	Western Cape	Norther Cape
Beef: 2 Prussic a	cid poisonin	ıg			(1)				
Nesselsbrokeef: 2 Prussic ac PROVINCE Average Level of impo	cid poisonin	g Gauteng	Limpopo	2.0 (1)	Free State	Natal	1.0 (2)	Cape	Cape
Vesselsbro Beef: 2 Prussic ad PROVINCE Average	cid poisonin	g Gauteng	Limpopo	2.0 (1)	Free State	Natal	1.0 (2)	Cape	Cape
Vesselsbrokeef: 2 Prussic action of the province Average Level of imported Reef	cid poisonin	g Gauteng	Limpopo	2.0 (1) e than or 2.0	Free State	Natal	1.0 (2) ten and 3	Cape	Cape
PROVINCE  Average  Level of imporeported  Seef  Sheep  North West	Mpumalanga  ortance scale: 1	g Gauteng	Limpopo	2.0 (1) e than or 2.0	Free State	Natal	1.0 (2) ten and 3	Cape	Cape
PROVINCE  Average  Level of imporeported  Seef  Sheep  Jorth West Stella, Stella	Mpumalanga  ortance scale: 1	g Gauteng	Limpopo	2.0 (1) e than or 2.0	Free State	Natal	1.0 (2) ten and 3	Cape	Cape
PROVINCE  Average  Level of imporeported  Beef  Sheep  Jorth West	Mpumalanga  Ortance scale: 1	g Gauteng	Limpopo	2.0 (1) e than or 2.0	Free State	Natal	1.0 (2) ten and 3	Cape	Cape

<b>Queenstow</b> Beef: 1	n, Queenstowi	ı Veterina	ry clinic						
Seneciosi	s								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State		Eastern Cape	Western Cape	Northern Cape
Average				1.0 (1)	2.0 (1)				
Level of impo reported	ortance scale: 1	= one case	e, 2 = more	than or	ne case l	but less than	ten and 3	= more tha	n 10 cases
Beef					2.0 (1)				
Dairy				1.0 (1)					
North West									
	, Bergbos Dier	ekliniek							
Dairy: 1									
Free State	Harrianith Di	oroboon!t	221						
H <b>arrismith,</b> Beef: 2	Harrismith Di	erenospita	ddl						
occi. Z									
Tulip Pois	soning								_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)						2.0 (1)		
Level of imported	ortance scale: 1	= one case	e, 2 = more	than or	ne case l	but less than	ten and 3	= more tha	n 10 cases
Beef	1.0(1)								
Sheep							2.0(1)		
	a								
	- four Diereklin	iek							
Beef: 1									
Eastern Cap									
	adock Veterin	ary Clinic							
Sheep: 2 Short tulip, 8	to 9 rams								
	siekte ( <i>Gaig</i>	<i>eria</i> spo	.)						^
	Mpumalanga			North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)								
Level of imported	ortance scale: 1	= one case	e, 2 = more	than or	ne case l	but less than	ten and 3	= more tha	n 10 cases
Sheep	1.0(1)								
Mpumalang	. ,								

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases exported  3.0 (1)  2.0 (1)  Blotth West Itelia, Stella Dierekliniek Itelia, Stella Dierek	Sheep: 1									
Average  Ave	Poisonin	igs								
Average	Urea Pois	soning								_
evel of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  3.0 (1)  2.0 (2)  2.	PROVINCE	Mpumalanga	Gauteng	Limpopo						
Reef Biorht West Retalla, Stella Dierekliniek Reef: 3 RoyUNCE Mpumalanga Gauteng Limpopo North Free Reef: 1 Reef: 1 Reef: 1 RoyUNCE Mpumalanga Gauteng Limpopo North Free Reef: 2 RoyUNCE Mpumalanga Gauteng Limpopo Reef: 2 Reef: 1 R	Average						2.0 (1)	ı		
Jorth West (1) (1) (2) (1) (1) (2) (1) (1) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2	Level of imported	ortance scale: 1	= one case	e, 2 = more	e than or	ne case	but less than	ten and 3	= more tha	n 10 cases
Relia, Stella Dierekliniek eef: 3  Wazulu-Natal  Vandee, Endumeni Herd health eef: 2  Snake Bite  PROVINCE Mpumalanga Gauteng Limpopo West State Kwazulu-  Reverage  1.0 (2)  Limpopo West State Kwazulu- State Natal  1.0 (2)  Limpopo West State Kwazulu- State Natal  1.0 (2)  Limpopo West State Kwazulu- State Natal  Limpopo West State Wazulu- Limpopo West State Western Cape  PROVINCE Mpumalanga Gauteng Limpopo West State Wazulu- Limpopo West State Western Cape Western Cape Western Cape  Limpopo West State Wazulu- Limpopo Wazulu- Li	Beef						2.0 (1)			
ineef: 3 iwazulu-Natal pundee, Endumeni Herd health izef: 2  Snake Bite  PROVINCE Mpumalanga Gauteng Limpopo West State  Average  Limpopo West State  Limpopo West State  I.0 (2)  Limpopo West State  Limpopo	North West									
PROVINCE Mpumalanga Gauteng Limpopo North Free Kwazulu- Cape Cape Cape Cape  Limpopo West State Natal Cape Cape Cape Cape Cape Cape Cape Cape	Beef: 3	a Dierekiiiiek								
Snake Bite  PROVINCE Mpumalanga Gauteng Limpopo North State Kwazulu- Cape Cape Cape Cape  Average  1.0 (2)  Limpopo North State Kwazulu- Cape Cape Cape Cape Cape Cape Cape  1.0 (2)  Limpopo North State Cape Cape Cape Cape Cape Cape Cape Cap			nealth							
PROVINCE Mpumalanga Gauteng Limpopo West State Kwazulu- Ratal Eastern Cape Cape Cape Cape Cape Cape Cape Cape	Beef: 2	uumem neru i	icaitii							
Average  Limpopo West State Natal Cape Cape  1.0 (2)  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  1.0 (2)  Limpopo Limpopo Limpopo Limpopo Royince State Limpopo Royince State Limpopo Royince State Limpopo Royince State Limpopo Royince Mpumalanga Royince Mpumalanga Royince Mpumalanga Royince Mpumalanga Royince Mpumalanga Limpopo Royince Mpumalanga Limpopo Royince Mpumalanga Limpopo Royince Mpumalanga Limpopo Royince Mpumalanga Royince Mpumalanga Limpopo Royince Mpumalanga Royince Kwazulu-	Snake Bit	te								-
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  1.0 (2)  Reef  1.0 (2)  Rees State  Renekal, Senekal Dierekliniek Reef: 1  Resselsbron, Wesselsbron Dierekliniek Reef: 1  Copper Poisoning  PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu- Rate Cape  Average  3.0 (1)  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  Reep 3.0 (1)  Reverselsbron, Western Cape  Average 3.0 (1)  Reverselsbron, Western Cape  Average 3.0 (1)  Reverselsbron, Western Cape  Average 3.0 (1)  Reverselsbron, Western Cape  Reported 3.0 (1)  Reverselsbron, Western Cape  Reported 3.0 (1)  Reverselsbron, Western Cape  Reverselsbron, Western Cap	PROVINCE	Mpumalanga	Gauteng	Limpopo						Northeri Cape
The provided specified (2)  The provided (2)  Th	Average									
ree State Genekal, Senekal Dierekliniek Geef: 1  Vesselsbron, Wesselsbron Dierekliniek Geef: 1  Copper Poisoning  PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu- Cape Cape  Average  3.0 (1)  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  Gheep  Gorthern Cape  De Aar, De Aar Veterinary Clinic Cheep: 3	Level of imported	ortance scale: 1	= one case	e, 2 = more	than or	ne case	but less than	ten and 3	= more tha	n 10 cases
Renekal, Senekal Dierekliniek Reef: 1  Vesselsbron, Wesselsbron Dierekliniek Reef: 1  Copper Poisoning  PROVINCE Mpumalanga Gauteng Limpopo North West State Natal Eastern Cape Cape  Average  3.0 (1)  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  Sheep  Rother Cape  2.0 (1)  3.0 (1)  3.0 (1)  3.0 (1)  3.0 (1)  3.0 (1)  3.0 (1)	Beef									
Wesselsbron, Wesselsbron Dierekliniek Heef: 1  Copper Poisoning  PROVINCE Mpumalanga Gauteng Limpopo North West Free State Natal Eastern Cape Cape  Average  3.0 (1)  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  Sheep  Rother Cape  Bother Cape	Free State	nokal Diorokli	niok							
Copper Poisoning  PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu-Rater Cape Cape Cape  3.0 (1)  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  Sheep  Limpopo North West State Rwazulu-Rater Cape Cape Cape Cape  3.0 (1)  3.0 (1)  Cape Cape Cape Cape Cape Cape Cape Cape	Beef: 1	ilekai Dielekii	illek							
PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu- Cape Northern Cape  Average  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  Sheep  Jorthern Cape		n, Wesselsbro	n Dierekli	niek						
PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu- Cape Western Cape 3.0 (1)  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  Sheep  Jorthern Cape  J		oiconing								
Average  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  Sheep  Jorthern Cape  De Aar, De Aar Veterinary Clinic  Sheep: 3			Gauteng	Limpopo						
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  Sheep  Jorthern Cape  De Aar, De Aar Veterinary Clinic  Sheep: 3	Average				11030	Jule	. www.	Cupc	Cupo	3.0 (1)
Sheep  Sorthern Cape De Aar, De Aar Veterinary Clinic Sheep: 3		ortance scale: 1	= one case	e, 2 = more	than or	ne case	but less than	ten and 3	= more tha	n 10 cases
Jorthern Cape De Aar, De Aar Veterinary Clinic heep: 3										3.0 (1)
De Aar, De Aar Veterinary Clinic heep: 3		аре								3.0 (1)
•	De Aar, De A	-	Clinic							
	•	en at abattoir in	spection							

Other									_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northerr Cape
Average		1.0(1)							
evel of impo	ortance scale: 1	= one case	e, 2 = more	e than or	ne case	but less than	ten and 3	= more tha	n 10 cases
eef		1.0(1)							
auteng	.11					A . ' I Ol' .			
retoria, On eef: 1	derstepoort A	cademic	ноѕрітаі а	na Proa	uction	Animai Ciin	IIC		
ead									
Macro N	utritional F	Problem	ıs						
Energy de	eficiency								
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average		1.0 (1)			3.0 (1)			2.3 (3)	1.0 (1)
evel of impo	ortance scale: 1	= one case	e, 2 = more	than or	ne case	but less than	ten and 3	= more tha	n 10 cases
seef		1.0 (1)			3.0 (1)			2.0 (1)	,
airy								3.0 (1)	
Sheep								2.0 (1)	1.0 (1)
auteng	aal, Themba <i>l</i>	laimal Cli	-i-						
eef: 1	aai, Tiiciiiba F	Allilliai Cii	ilic						
ree State		_							
<b>arys, Parys</b> eef: 3	s Dierehospita	al							
Vestern Ca	ре								
	, Malmesbury	Dierehos	pitaal						
leef: 2, Dairy Iorthern Ca	v: 3, Sheep: 2								
	g, Postmasbu	rg Dierek	iniek						
heep: 1									
Protein d	eficiency								
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average		2.0 (2)			3.0 (1)		3.0 (2)	2.3 (4)	3.0 (1)
_evel of impo	ortance scale: 1	= one case	e, 2 = more	than or	ne case	but less than	ten and 3	= more tha	n 10 cases

reported

						_			
Beef		1.0 (1)			3.0 (1)			2.0 (1)	
Dairy							3.0 (1)	2.0 (1)	
Sheep		3.0 (1)					3.0 (1)	2.5 (2)	3.0 (1)
Gauteng									
Hammansk	raal, Themba <i>A</i>	Animal Cli	nic						
Beef: 1									
	rg, Magaliesbu	ırg; Dr Ry	an Jeffrey	7					
Sheep: 3	and starvation	of lambs							
Free State	g and Starvation	OI Idilibs							
	s Dierehospita	al							
Beef: 3	•								
Eastern Cap									
	Alexandria Pla	atteland S	Spreekkan	ner					
Dairy: 3	(EC) Stermel	······ Diawa	haan!taal						
Sheep: 3	(EC), Steynsb	urg Diere	nospitaai						
•	to nodular worm	and grass	seeds						
Western Ca		una grass	50005						
Malmesbury	y, Groenkloof I	Diereklini	ek						
Sheep: 3									
	y, Malmesbury	Dierehos	pitaal						
Northern Ca	y: 2, Sheep: 2								
	ape Ipington Veter	inary Clin	ic						
Sheep: 3	pington veter	ilial y Cilli							
	Namibia arriving	at the aba	ttoir, 30% (	of truck I	oad con	demned. Un	able to sen	d sheep bad	ck to farm of
origin.									
Phosphat	te deficiency	/							^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					3.0 (1)		2.5 (4)		3.0 (1)
Level of impore	ortance scale: 1	= one case	e, 2 = more	e than or	ne case	but less than	ten and 3	= more tha	n 10 cases
Beef					3.0 (1)		2.0 (2)		3.0 (1)
Sheep							3.0 (1)		
Goat							3.0 (1)		
Free State									
	s Dierehospita	al							
Beef: 3									
Eastern Cap		n Votori-	ami Clinia						
Beef: 1	p, Humansdor	p veterin	ary Clinic						
	(EC), Steynsb	ura Diere	hosnitaal						
	ep: 3, Goat: 3								
Northern Ca	•								
	rg, Postmasbu	rg Dierek	liniek						
Reef: 3									

Beef: 3

Calcium o	deficiency								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average		2.0 (1)			3.0 (1)	3.0 (1)	l	2.5 (2)	
Level of impore	ortance scale: 1	= one case	e, 2 = more	than or	ne case l	out less than	ten and 3	= more tha	n 10 cases
Beef					3.0 (1)				
Dairy						3.0 (1)		3.0 (1)	
Sheep		2.0 (1)						2.0 (1)	
Sheep: 2 Free State Parys, Parys Beef: 3 Kwazulu-Na	wick Veterina	al	ing Rooms						
Malmesbury Dairy: 3, She Micro Nu Copper de	y, Malmesbury ep: 2 utritional P	roblem	s	North West	State 1.0	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Malmesbury Dairy: 3, Shee Micro Nu Copper de PROVINCE Average Level of impo	y, Malmesbury ep: 2 utritional P eficiency	<b>Gauteng</b>	S Limpopo	West	1.0 (1)	Natal	Cape	Cape	Cape
Malmesbury Dairy: 3, Shee Micro Nu Copper de PROVINCE Average	y, Malmesbury ep: 2 utritional P eficiency Mpumalanga	<b>Gauteng</b>	S Limpopo	West	1.0 (1)	Natal	Cape	Cape	
Malmesbury Dairy: 3, Shee Micro Nt Copper de PROVINCE Average Level of imporreported Dairy Free State	y, Malmesbury ep: 2 utritional P eficiency Mpumalanga ortance scale: 1	Gauteng  = one case	Limpopo e, 2 = more	West	1.0 (1) ne case I	Natal	Cape	Cape	Cape
Malmesbury Dairy: 3, Shee Micro Nu Copper de PROVINCE Average Level of imporeported Dairy Free State Wesselsbro	y, Malmesbury ep: 2 utritional P eficiency Mpumalanga	Gauteng  = one case	Limpopo e, 2 = more	West	1.0 (1) ne case I	Natal	Cape	Cape	Cape
Malmesbury Dairy: 3, Shee Micro Nt Copper de PROVINCE  Average Level of impore reported  Dairy  Free State Wesselsbroe Dairy: 1	y, Malmesbury ep: 2 utritional P eficiency Mpumalanga ortance scale: 1	Gauteng  = one case	Limpopo e, 2 = more	West	1.0 (1) ne case I	Natal	Cape	Cape	Cape
Malmesbury Dairy: 3, Shee Micro Nt Copper de PROVINCE  Average  Level of impore reported  Dairy  Free State Wesselsbrod Dairy: 1  Selenium	y, Malmesbury ep: 2 utritional P eficiency Mpumalanga ortance scale: 1	Gauteng  = one case  n Dierekli	Limpopo  e, 2 = more	West	1.0 (1) ne case I 1.0 (1)	Natal  out less than  Kwazulu-	ten and 3	Cape	Cape
Malmesbury Dairy: 3, Shee Micro Nu Copper de PROVINCE  Average  Level of imporreported  Dairy  Free State Wesselsbrod Dairy: 1  Selenium	y, Malmesbury ep: 2 utritional P eficiency Mpumalanga ortance scale: 1  n, Wesselsbro deficiency	Gauteng  = one case  n Dierekli	Limpopo  e, 2 = more	west than or	1.0 (1) ne case I 1.0 (1) Free	Natal  out less than  Kwazulu-	ten and 3	= more than	n 10 cases  Northern

auteng retoria, Anima Veterinary Consulting Rooms oat: 2 orth West hristiana, Christiana Dierehospitaal neep: 3, Goat: 2  VeroVINCE Mpumalanga Gauteng Limpopo (1)  Sorth West hristiana, Christiana Dierehospitaal neep: 2, Goat: 2  Verage (1)  Sorthern Cape (1)										
auteng retoria, Anima Veterinary Consulting Rooms coat: 2 orth West hristiana, Christiana Dierehospitaal eeef 3.0 (1)  Worth West corth West hristiana, Christiana Dierehospitaal eeef 3.0 (1)  Worth West Natal Eastern Western Cape Northern	Sheep									2.0 (1)
auteng retoria, Anima Veterinary Consulting Rooms retorial and the property of the	Goat		20(1)		(1)					
retoria, Anima Veterinary Consulting Rooms oata: 2 orth West hristiana, Christiana Dierehospitaal neep: 3 orthern Cape sostmasburg, Postmasburg Dierekliniek neep: 2, Goat: 2  //tamin A deficiency //PROVINCE Mpumalanga Gauteng Limpopo (1)  seef (2) orth West hristiana Dierehospitaal eef: 3  // Authoritions // Authorit			2.0 (1)							2.0 (1)
orth West hirstiana Dierehospitaal neep: 3 orthern Cape ostmasburg, Postmasburg Dierekliniek neep: 2, Goat: 2  //itamin A deficiency  //i		nima Veterinar	y Consult	ing Rooms	5					
Arristiana, Christiana Dierehospitaal neep: 2, Goat: 2  AROVINCE Mpumalanga Gauteng  Werage  Limpopo  North West  All Signature (1)  ABOVINCE Mpumalanga Gauteng  Limpopo  North West  All Signature (1)  AROVINCE Mpumalanga Gauteng  Limpopo  North West  All Signature (1)  AROVINCE Mpumalanga Gauteng  Limpopo  North West  All Signature (1)  AROVINCE Mpumalanga Gauteng  Limpopo  North West  Arovince Northern  Cape  Northern  Cap	Goat: 2									
recept 3 orthern Cape ostmasburg, Postmasburg Dierekliniek heep: 2, Goat: 2  FROVINCE Mpumalanga Gauteng Limpopo (1)  Reverage (			uahaanita							
orthern Cape ostmasburg, Postmasburg Dierekliniek neep: 2, Gost: 2  //itamin A deficiency //itamin A deficienc		Christiana Die	renospita	aı						
ostmasburg, Postmasburg Dierekliniek neep: 2, Goat: 2  //itamin A deficiency  //itamin A de	· · · · · · · · · · · · · · · · · · ·	ape								
Average  Ave		•	rg Dierek	liniek						
Average    Second Continuous   Second Continuo	Sheep: 2, Go	at: 2								
werage    State   Natal   Cape   Cape   Cape	Vitamin <i>I</i>	A deficiency								^
evel of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases exported  3.0 (1)  orth West hristiana, Christiana Dierehospitaal eef: 3  Multi-factorial Disease Conditions  Abortions  PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu- Rastern Cape Cape Cape Cape Cape Cape Cape Cape	PROVINCE	Mpumalanga	Gauteng	Limpopo						
eef 3.0 (1)  orth West hristiana, Christiana Dierehospitaal eef: 3  Multi-factorial Disease Conditions  Abortions  PROVINCE Mpumalanga Gauteng Limpopo West Free West Natal Cape Cape Northern Cape Cape Northern Cape Northern Cape Cape Northern Cape Cape  Northern Cape Cape Northern Cape Cape  Northern Cape Cape Cape Cape Cape Cape  Northern Cape Cape Cape  Northern Cape	Average									
orth West hristiana, Christiana Dierehospitaal eef: 3  Multi-factorial Disease Conditions  Abortions  PROVINCE Mpumalanga Gauteng Limpopo West State State Natal Cape Cape Cape  Limpopo (1) (1) (2) (2.0 (1.0) (2.0) (1.0) (2.0) (2.0) (1.0) (2.0) (2.0) (1.0) (2.0) (2.0) (2.0) (3.0) (4	Level of imported	ortance scale: 1	= one case	e, 2 = more		ne case	but less than	ten and 3	= more tha	n 10 cases
Abortions	Beef									
Abortions  PROVINCE Mpumalanga Gauteng Limpopo West State Natal Eastern Cape Cape  Norther Natal Eastern Cape Cape  1.8 (5) 2.0 (2) 1.0 (2) 2.0 1.9 (1) 1.9 (12) 2.3 (7) 1.6 (5)  Evel of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases exported  eef 1.8 (4) 2.0 (2) 1.0 (1) 2.0 (1) (6) 2.0 (3) 1.0 (2)  airy 2.0 (1) 2.5 (2) 2.0 (3)  heep  oat 1.0 (1) 2.5 (2)  pumalanga alfour, Balfour Dierekliniek  eef: 1  ethal, Bethal Dierekliniek			rehospita	al						
ROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu-Ratal Eastern Cape Cape Northern Cape  1.8 (5) 2.0 (2) 1.0 (2) 2.0 (1) 1.9 (12) 2.3 (7) 1.6 (5)  evel of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases exported  eef 1.8 (4) 2.0 (2) 1.0 (1) 2.0 (2) (6) 2.0 (3) 1.0 (2)  airy 2.0 (1) 2.5 (2) 2.5 (2)  heep oat 1.0 (1) 2.5 (2) 2.5 (2)  pumalanga alfour, Balfour Dierekliniek  eef: 1  ethal, Bethal Dierekliniek	Beef: 3									
1.8 (5)   2.0 (2)   1.0 (2)   2.0   (1)   (12)   2.3 (7)   1.6 (5)		ctorial Dise	ease Co	nditions	5					
evel of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases eported  eef			ease Co	nditions	5					^
eef 1.8 (4) 2.0 (2) 1.0 (1) 2.0 2.0 (3) 1.0 (2)  airy 2.0 (1) 2.5 (2) 2.0 (3)  heep 1.8 (6) 2.5 (2) 2.0 (3)  lpumalanga alfour, Balfour Dierekliniek eef: 1 ethal, Bethal Dierekliniek	Multi-fac	5			North					Northern Cape
1.8 (4)   2.0 (2)   1.0 (1)   (1)   (6)   2.0 (3)   1.0 (2)	Multi-fac	S Mpumalanga	Gauteng	Limpopo	North West	<b>State</b> 1.9	Natal		Cape	Northern Cape
heep  oat  1.8 (6)  poat  1.0 (1)  2.5 (2)  Ipumalanga  alfour, Balfour Dierekliniek eef: 1 ethal, Bethal Dierekliniek	Multi-face Abortions PROVINCE Average	Mpumalanga	<b>Gauteng</b> 2.0 (2)	Limpopo 1.0 (2)	North West  2.0 (1)	1.9 (12)	2.3 (7)	Cape	1.6 (5)	
oat  1.0 (1)  2.5 (2)  Ipumalanga alfour, Balfour Dierekliniek eef: 1 ethal, Bethal Dierekliniek	Abortions PROVINCE Average Level of impreported Beef	Mpumalanga  1.8 (5)  ortance scale: 1  1.8 (4)	Gauteng 2.0 (2) = one case	1.0 (2) e, 2 = more	North West  2.0 (1) e than or	1.9 (12) ne case 2.0	2.3 (7) but less than 2.0 (3)	Cape	1.6 (5) = more that 1.0 (2)	
lpumalanga alfour, Balfour Dierekliniek eef: 1 ethal, Bethal Dierekliniek	Abortions PROVINCE Average Level of impreported	Mpumalanga  1.8 (5)  ortance scale: 1  1.8 (4)	Gauteng 2.0 (2) = one case	1.0 (2) e, 2 = more	North West  2.0 (1) e than or	1.9 (12) ne case 2.0	2.3 (7) but less than 2.0 (3)	Cape	1.6 (5) = more that 1.0 (2)	
lpumalanga alfour, Balfour Dierekliniek eef: 1 ethal, Bethal Dierekliniek	Abortions PROVINCE Average Level of impreported Beef	Mpumalanga  1.8 (5)  ortance scale: 1  1.8 (4)	Gauteng 2.0 (2) = one case	1.0 (2) e, 2 = more	North West  2.0 (1) e than or	1.9 (12) ne case 2.0 (6)	2.3 (7) but less than 2.0 (3)	Cape	1.6 (5) = more that 1.0 (2)	
alfour, Balfour Dierekliniek eef: 1 ethal, Bethal Dierekliniek	Abortions PROVINCE  Average  Level of imported  Beef  Dairy	Mpumalanga  1.8 (5)  ortance scale: 1  1.8 (4)	Gauteng 2.0 (2) = one case	1.0 (2) e, 2 = more	North West  2.0 (1) e than or	1.9 (12) ne case 2.0 (6)	2.3 (7) but less than 2.0 (3) 2.5 (2)	Cape	1.6 (5) = more that 1.0 (2)	
ethal, Bethal Dierekliniek	Multi-face Abortions PROVINCE Average Level of impereported Beef Dairy Sheep Goat	Mpumalanga  1.8 (5)  ortance scale: 1  1.8 (4)  2.0 (1)	Gauteng 2.0 (2) = one case	1.0 (2) e, 2 = more	North West  2.0 (1) e than or	1.9 (12) ne case 2.0 (6)	2.3 (7) but less than 2.0 (3) 2.5 (2)	Cape	1.6 (5) = more that 1.0 (2)	
	Multi-face Abortions PROVINCE Average Level of imported Beef Dairy Sheep Goat Mpumalang Balfour, Bal	Mpumalanga  1.8 (5)  ortance scale: 1  1.8 (4)  2.0 (1)	Gauteng  2.0 (2)  = one case  2.0 (2)	1.0 (2) e, 2 = more	North West  2.0 (1) e than or	1.9 (12) ne case 2.0 (6)	2.3 (7) but less than 2.0 (3) 2.5 (2)	Cape	1.6 (5) = more tha  1.0 (2)	
all y. Z	Multi-face Abortions PROVINCE  Average  Level of impereported  Beef  Dairy  Sheep  Goat  Mpumalang Balfour, Bal Beef: 1	Mpumalanga  1.8 (5)  ortance scale: 1  1.8 (4)  2.0 (1)	Gauteng  2.0 (2)  = one case  2.0 (2)	1.0 (2) e, 2 = more	North West  2.0 (1) e than or	1.9 (12) ne case 2.0 (6)	2.3 (7) but less than 2.0 (3) 2.5 (2)	Cape	1.6 (5) = more tha  1.0 (2)	
	Multi-face Abortions PROVINCE  Average  Level of imported  Beef  Dairy  Sheep  Goat  Mpumalang Balfour, Bal Beef: 1 Bethal, Betl	Mpumalanga  1.8 (5)  ortance scale: 1  1.8 (4)  2.0 (1)	Gauteng  2.0 (2)  = one case  2.0 (2)	1.0 (2) e, 2 = more	North West  2.0 (1) e than or	1.9 (12) ne case 2.0 (6)	2.3 (7) but less than 2.0 (3) 2.5 (2)	Cape	1.6 (5) = more tha  1.0 (2)	

**Ermelo, Moregloed Veterinêre Spreekkamer** Beef: 2 **Nelspruit, Nelspruit Animal Hospital** Beef: 2 **Volksrust, Cape Cross Volksrust Dierehospitaal** Beef: 2 Due to trichomononosis Gauteng Hammanskraal, Themba Animal Clinic Magaliesburg, Magaliesburg; Dr Ryan Jeffrey Beef: 2 Mummified abortions, last trimester Limpopo **Polokwane, Pietersburg Veterinary Clinic** Beef: 1, Goat: 1 **North West** Ventersdorp, Ventersdorp Dierekliniek Beef: 2 **Free State Bethlehem, Freestate Bethlehem SV** Beef: 2, Sheep: 2 **Bloemfontein, Dr Stephan Wessels** Beef: 1 Harrismith, Harrismith Dierehospitaal Beef: 2, Sheep: 2 Hoopstad, Hoopstad Dierekliniek Beef: 3, Sheep: 3 Kroonstad, Kroonstad Dierehospitaal Sheep: 1 Villiers, Wilgepoort Dierekliniek Vennootskap Beef: 2, Sheep: 2 Wesselsbron, Wesselsbron Dierekliniek Sheep: 1 Winburg, Winburg Dierekliniek Beef: 2 Kwazulu-Natal Bergville, Bergville Veterinary Clinic Goat: 3 **Dundee, Endumeni Herd health** Beef: 2 **Estcourt, Estcourt Vet Clinic** Dairy: 2 **Howick, Howick Veterinary Clinic** Beef: 3, Dairy: 3 **Underberg, Underberg Veterinary Surgery** Beef: 1 **Vryheid, Vryheid Privaat Veeartse** Goat: 2 **Western Cape** Malmesbury, Bergzight Dierehospitaal Dairy: 2 **Malmesbury, Groenkloof Dierekliniek** Beef: 1 Waiting for result Malmesbury, Malmesbury Dierehospitaal Stellenbosch, Stellenbosch Animal Hospital Beef: 1, Dairy: 1

Stillbirth	S								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State		Eastern Cape	Western Cape	Northern Cape
Average					1.3 (3)	2.7 (3)		1.0 (1)	
Level of impore	ortance scale: 1	= one case	e, 2 = more	than or	ne case l	but less than	ten and 3	= more tha	n 10 cases
Beef					1.0 (1)	3.0 (1)			
Dairy						2.5 (2)		1.0(1)	
Sheep					1.5 (2)				<u>.                                      </u>
Free State									
	Harrismith Die	erehospita	aal						
Beef: 1	D								
	Rowelsfontein	veearts	Spreekkan	ner					
Sheep: 1	gepoort Dierel	diniak Va	nnootekar						
Sheep: 2	gepoort Dierei	miliek ve	шоосэкар						
Kwazulu-Na	atal								
	tcourt Vet Clir	nic							
Dairy: 2									
	wick Veterinar	y Clinic							
Beef: 3, Dairy									
Western Ca	pe h, Stellenbosc	h Animal	Hocnital						
Dairy: 1	ii, Stellelibosc	II Allillai	поѕрісаі						
Abscesse	S								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.3 (4)	1.6 (5)	1.7 (6)	2.7 (3)	2.0 (11)	1.8 (5)	2.2 (6)	2.2 (5)	
Level of impore	ortance scale: 1	= one case	e, 2 = more	than or	ne case l	but less than	ten and 3	= more tha	n 10 cases
Beef	1.0 (2)	1.0 (2)	1.5 (2)	2.5 (2)	2.2 (6)	1.3 (3)	2.0 (2)	2.0 (1)	
Dairy						2.5 (2)		2.5 (2)	
Sheep	1.5 (2)	2.0 (3)	1.7 (3)	3.0 (1)	1.8 (5)		2.0 (2)	2.0 (2)	
			2.0(1)				2.5 (2)		
Goat			2.0 (1)						
	ıa		2.0 (1)						
Mpumalang	ja hal Diereklinie	k	2.0 (1)						
Mpumalang Bethal, Betl Beef: 1	hal Diereklinie								
Mpumalang Bethal, Betl Beef: 1 Ermelo, Mo									
Mpumalang Bethal, Betl Beef: 1 Ermelo, Mo Sheep: 2	hal Diereklinie	nêre Spre							

Beef: 1 Volksrust, Cape Cross Volksrust Dierehospitaal Sheep: 1 Gauteng Hammanskraal, Themba Animal Clinic Beef: 1 Magaliesburg, Magaliesburg; Dr Ryan Jeffrey Sheep: 2 Liver abscesses in lambs **Pretoria, Anima Veterinary Consulting Rooms** Sheep: 2 Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic Beef: 1, Sheep: 2 Limpopo Makhado, Blouberg Dierekliniek Sheep: 2 Actinomyces abscesses - 8 sheep Mokopane, Dr Henk Visser Beef: 1, Sheep: 1 **Polokwane, Pietersburg Veterinary Clinic** Beef: 2, Sheep: 2, Goat: 2 **North West** Christiana, Christiana Dierehospitaal Beef: 3, Sheep: 3 Ventersdorp, Ventersdorp Dierekliniek Beef: 2 **Free State Bethlehem, Freestate Bethlehem SV** Harrismith, Harrismith Dierehospitaal Beef: 3, Sheep: 3 Hoopstad, Hoopstad Dierekliniek Beef: 3, Sheep: 2 Kroonstad, Kroonstad Dierehospitaal Beef: 2 Ladybrand, Ladybrand Beef: 2 Liver abscess Sheep: 2 Philippolis, Rowelsfontein veearts Spreekkamer Sheep: 1 Wesselsbron, Wesselsbron Dierekliniek Winburg, Winburg Dierekliniek Beef: 2 **Kwazulu-Natal Estcourt, Estcourt Vet Clinic** Dairy: 2 **Howick, Howick Veterinary Clinic Newcastle, Ncanduvet Newcastle** Pongola, Pongola Animal Clinic Vryheid, Vryheid Privaat Veeartse Beef: 2 **Eastern Cape Graaff-Reinet, Graaff Reinet Veterinary Clinic Humansdorp, Humansdorp Veterinary Clinic** 

Middelburg (EC), Steynsburg Dierehospitaal Baefe: 3, Sheep: 3, Goat: 3 Ultienhage, Ultienhage Dierehospitaal Sheep: 1 Western Cape Caledon, Overberg Veterinary Hospital Sheep: 2 Malmesbury, Bergzight Dierehospitaal Baefe: 2, Dairy: 3, Sheep: 2 Abscesses in general  PROVINCE Mpumalanga Gauteng Limpopo North State Western Cape 1.0 (2)  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  Baefe 1.0 (1)  Sheep 1.0 (1)  Gauteng Hammanskraal, Themba Animal Clinic Baefe: 3, Sheep: 1 Free State Hoogstad, Hoopstad Dierekliniek Baefe: 3, Sheep: 2  Kroonstad, Kroonstad Dierehospitaal Baefe: 3, Sheep: 2  Korthern Cape Malmesbury, Malmesbury Dierehospitaal Baefe: 3, Sheep: 2  Korthern Cape Malmesbury, Malmesbury Dierehospitaal Baefe: 3, Sheep: 2  Korthern Cape Malmesbury, Malmesbury Dierehospitaal Baefe: 3, Sheep: 2  Korthern Cape Malmesbury, Malmesbury Dierehospitaal Baefe: 3, Sheep: 2  Korthern Cape Malmesbury, Malmesbury Dierehospitaal Baefe: 3, Sheep: 2  Korthern Cape Malmesbury, Malmesbury Dierehospitaal Baefe: 3, Sheep: 2  Korthern Cape Malmesbury, Malmesbury Dierehospitaal Baefe: 3, Sheep: 2  Korthern Cape Malmesbury, Malmesbury Dierehospitaal Baefe: 3, Sheep: 2  Korthern Cape Malmesbury, Malmesbury Dierehospitaal Baefe: 3, Sheep: 2  Korthern Cape Malmesbury, Malmesbury Dierehospitaal Baefe: 3, Sheep: 2  Korthern Cape Malmesbury, Malmesbury Dierehospitaal Baefe: 3, Sheep: 2  Korthern Cape Malmesbury, Malmesbury Dierehospitaal Baefe: 3, Sheep: 2  Korthern Cape Malmesbury, Malmesbury Dierehospitaal Baefe: 3, Sheep: 2  Korthern Cape Malmesbury, Malmesbury Dierehospitaal Baefe: 3, Sheep: 2  Korthern Cape Malmesbury, Malmesbury Dierehospitaal Baefe: 3, Sheep: 3  Malmesbury, Malmesbury Dierehospitaal Baefe: 3  Malmesbury,	<b>5</b> 6 4										
Beef: 3, Sheep: 3, Goat: 3 Ultienhage, Ultenhage Dierehospitaal Sheep: 1 Western Cape Caledon, Overberg Veterinary Hospital Sheep: 2 Malmesbury, Bergzight Dierehospitaal Beef: 2, Dairy: 3, Sheep: 2  Abscesses in general  PROVINCE Mpumalanga Gauteng Limpopo North West State Region (Cape Cape Cape Cape Cape Cape Cape Cape	· · ·	Beef: 1									
Ultenhage, Ultenhage Dierehospitaal Sheep: 1 Western Cape Baecfi 2, Dairy: 3, Sheep: 2  Average  1.0 (1)  Dairy  Sheep 1.0 (1)  Cauteng Hammanskraal, Themba Animal Clinic Baecf: 3, Sheep: 1  Cauteng Hammanskraal, Themba Animal Clinic Baecf: 3, Sheep: 3  Caverage Mannesbury Dierehospitaal Baecfi 3, Sheep: 2  Average 1.0 (1)  Dairy  Sheep 1.0 (1)  Cauteng Hammanskraal, Themba Animal Clinic Baecfi: 3, Sheep: 3  Caverage Mannesbury Dierehospitaal Baecfi: 3, Sheep: 3  Caverage Mannesbury Mannesbury Dierehospitaal Baecfi: 4, Marial Cape  Cape Mannesbury Mannesbury Dierehospitaal Baecfi: 4, M											
Mestern Cape Caledon, Overberg Veterinary Hospital Sheep: 2 Caledon, Overberg Veterinary Hospital Sheep: 2 Caledon, Overberg Veterinary Hospital Sheep: 2 Caledon, Overberg Veterinary Dierehospitaal Dairy: 2 Abscesses in general  PROVINCE Mpumalanga Gauteng Limpopo West State West Cape Cape Cape  Average 1.0 (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 scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported											
Mestern Cape Caledon, Overberg Veterinary Hospital Sheep: 2 Malmesbury, Bergzight Dierehospitaal Dairy: 2 Malmesbury, Malmesbury Dierehospitaal Beef: 2, Dairy: 3, Sheep: 2  Abscesses in general  Average  1.0 (2)  1.0 (2)  2.7 (3)  3.0 (1)  2.7 (3)  3.0 (1)  2.7 (3)  3.0 (1)  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  Beef  1.0 (1)  3.0 (1)  3.0 (1)  3.0 (1)  Sheep  3.0 (1)  Sheep: 1  Free State Hoopstad, Hoopstad Dierehospitaal Beef: 2, Sheep: 1  Free State Hoopstad, Hoopstad Dierehospitaal Beef: 3, Sheep: 3  Western Cape Malmesbury, Malmesbury Dierehospitaal Beef: 2 Northern Cape Dairy: 3, Sheep: 3  Bladder stones  Average  Limpopo North State Rwazulu- State		Uitenhage Die	rehospita	al							
Caledon, Overberg Veterinary Hospital Sheep: 2 Malmesbury, Bergzight Dierehospitaal Dairy: 2 Malmesbury, Malmesbury Dierehospitaal Beef: 2, Dairy: 3, Sheep: 2  Abscesses in general  PROVINCE Mpumalanga Gauteng Limpopo North State Natal Eastern Cape Cape Cape Cape Cape Cape Cape Cape											
Sheep: 2  Malmesbury, Bergzight Dierehospitaal Dairy: 2  Malmesbury, Malmesbury Dierehospitaal Beef: 2, Dairy: 3, Sheep: 2  Abscesses in general  PROVINCE Mpumalanga Gauteng Limpopo North Yest State Natal Cape Cape Cape  1.0 (2)  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  1.0 (1)  2.7 (3)  3.0 (1)  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  3.0 (1)  Dairy  Sheep  1.0 (1)  3.0 (1)  3.0 (1)  3.0 (1)  3.0 (1)  3.0 (1)  3.0 (1)  Gauteng  Hammanskraal, Themba Animal Clinic Beef: 1, Sheep: 1 Free State  Hoopstad, Hoopstad Dierehospitaal Beef: 3, Sheep: 3  Kroonstad, Kroonstad Dierehospitaal Beef: 3, Dairy: 3, Sheep: 2  Northern Cape  Malmesbury, Malmesbury Dierehospitaal Beef: 3, Dairy: 3, Sheep: 2  Northern Cape  De Aar, De Aar Veterinary Clinic Sheep: 3  Bladder stones  Average  Limpopo North Free Kwazulu- State Kwazulu- State Kwazulu- State Kwazulu- Sheep: 3  Average  Limpopo North Free Kwazulu- State Kwazulu- State Kwazulu- State Kwazulu- Cape Northern Cape  De Aar, De Aar Veterinary Clinic Sheep: 3  Bladder stones  Average  Limpopo North Free Kwazulu- State Kwazulu- State Kwazulu- Cape Western Cape  Average  Limpopo North Free Kwazulu- State Kwazulu- State Kwazulu- Cape Northern Cape  Average  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported											
Malmesbury, Bergzight Dierehospitaal Dairy: 2 Malmesbury Dierehospitaal Beef: 2, Dairy: 3, Sheep: 2  Abscesses in general  PROVINCE Mpumalanga Gauteng Limpopo North West State Natal Cape Cape Cape Cape Cape Cape Cape Cape		erberg Veteri	nary Hosp	ital							
Average  1.0 (2)  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  1.0 (1)  2.7 (3) 3.0 (1)  2.7 (3) 3.0 (1)  2.7 (3) 3.0 (1)  2.7 (3) 3.0 (1)  2.7 (3) 3.0 (1)  2.7 (3) 3.0 (1)  2.7 (3) 3.0 (1)  2.8 (3) 3.0 (1)  2.9 (3) 3.0 (1)  3.0											
Malmesbury, Malmesbury Dierehospitaal Beef: 2, Dairy: 3, Sheep: 2  Abscesses in general  PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu- Cape Cape Cape  1.0 (2)  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  1.0 (1)  Sheep 1.0 (1)  Gauteng Hammanskraal, Themba Animal Clinic Beef: 1, Sheep: 1 Free State Hoopstad, Hoopstad Dierekliniek Beef: 3, Sheep: 3  Kroonstad, Kroonstad Dierekliniek Beef: 3, Sheep: 3  Kroonstad, Kroonstad Dierehospitaal Beef: 3, Dairy: 3, Sheep: 2  Kwazulu-Natal Howick, Howick Veterinary Clinic Dairy: 3  Western Cape  De Aar, De Aar Veterinary Clinic Sheep: 3  Bladder stones  PROVINCE Mpumalanga Gauteng Limpopo North West State Natal Eastern Cape  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported		,, Bergzight Di	ierehospit	aal							
Abscesses in general  PROVINCE Mpumalanga Gauteng Limpopo West State Natal Eastern Cape Cape  1.0 (2)  2.7 (3) 3.0 (1)  2.7 (3) 3.0 (1)  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  1.0 (1)  2.5 (2)  3.0 (1)  3.0 (1)  3.0 (1)  Dairy  Sheep  1.0 (1)  3.0											
Abscesses in general  PROVINCE Mpumalanga Gauteng  1.0 (2)  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  1.0 (1)  2.7 (3) 3.0 (1) 2.7 (3) 3.0 (1) 3.			Dierehos	pitaal							
PROVINCE Mpumalanga Gauteng Limpopo  Average  1.0 (2)  2.7 (3) 3.0 (1)  2.7 (3) 3.0 (1)  2.7 (3) 3.0 (1)  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  1.0 (1)  3.0 (1)  3.0 (1)  3.0 (1)  3.0 (1)  3.0 (1)  3.0 (1)  Sheep  1.0 (1)  3.0 (1)  3.0 (1)  3.0 (1)  3.0 (1)  3.0 (1)  3.0 (1)  3.0 (1)  3.0 (1)  3.0 (1)  3.0 (1)  4.0 (1)  4.0 (1)  5. (2)  5. (2)  5. (2)  5. (2)  5. (2)  5. (2)  5. (2)  5. (2)  5. (2)  5. (3) 5. (4) 5	Beef: 2, Dairy	/: 3, Sheep: 2									
Average  1.0 (2)  1.0 (2)  2.7 (3)  3.0 (1)  2.7 (3)  3.0 (1)  2.7 (3)  3.0 (1)  2.7 (3)  3.0 (1)  2.8 (3)  3.0 (1)  2.9 (3)  3.0 (1)  2.9 (3)  3.0 (1)  2.9 (3)  3.0 (1)  2.9 (3)  3.0 (1)  4.0 (1)  5.	Abscesse	s in general								^	
Average  1.0 (2)  2.7 (3)  3.0 (1)  3.0 (1)  4.0 (1)  4.0 (1)  4.0 (1)  4.0 (1)  4.0 (1)  4.0 (1)  5.0	PROVINCE	Mpumalanga	Gauteng	Limpopo							
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported  Beef 1.0 (1) 2.5 (2) 3.0 (1)  Dairy 3.0 (1) 3.0 (1)  Sheep 1.0 (1) 3.0 (1)  Gauteng Hammanskraal, Themba Animal Clinic Beef: 1, Sheep: 1 Free State Hoopstad, Hoopstad Dierekliniek Beef: 2, Sheep: 3 Kwazulu-Natal Howick, Howick Veterinary Clinic Dairy: 3  Western Cape Beef: 3, Dairy: 3, Sheep: 2 Northern Cape De Aar, De Aar Veterinary Clinic Sheep: 3  Bladder stones  PROVINCE Mpumalanga Gauteng Limpopo North West State Natal Eastern Cape Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported											
Beef 1.0 (1) 2.5 (2) 3.0 (1)  Dairy 3.0 (1) 3.0 (1)  Sheep 1.0 (1) 3.0 (1)  Gauteng Hammanskraal, Themba Animal Clinic Beef: 1, Sheep: 1 Free State Hoopstad, Hoopstad Dierekliniek Beef: 3, Sheep: 3  Kroonstad, Kroonstad Dierekliniek Beef: 3, Sheep: 3  Kroonstad, Kroonstad Dierehospitaal Beef: 2  Kwazulu-Natal Howick, Howick Veterinary Clinic Dairy: 3  Western Cape Malmesbury, Malmesbury Dierehospitaal Beef: 3, Dairy: 3, Sheep: 2  Northern Cape De Aar, De Aar Veterinary Clinic Sheep: 3  Bladder stones  PROVINCE Mpumalanga Gauteng Limpopo North Free West State Kwazulu- Eastern Cape Cape  Average  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported	Average		1.0 (2)				3.0 (1)		2.7 (3)	3.0 (1)	
Dairy 3.0 (1)  Sheep 1.0 (1) 3.0 (1)  Sheep 1.0 (1) 3.0 (1)  Gauteng Hammanskraal, Themba Animal Clinic Beef: 1, Sheep: 1  Free State Hoopstad, Hoopstad Dierekliniek Beef: 3, Sheep: 3  Kroonstad, Kroonstad Dierehospitaal Beef: 2  Kwazulu-Natal Howick, Howick Veterinary Clinic Dairy: 3  Western Cape De Aar, De Aar Veterinary Clinic Sheep: 3  Bladder stones  PROVINCE Mpumalanga Gauteng Limpopo North West State Natal Cape Vestern Cape  Average  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported	Level of impore	ortance scale: 1	= one case	e, 2 = more	than or		but less than	ten and 3	= more tha	n 10 cases	
Sheep  1.0 (1)  3.0 (	Beef		1.0 (1)								
Gauteng Hammanskraal, Themba Animal Clinic Beef: 1, Sheep: 1 Free State Hoopstad, Hoopstad Dierekliniek Beef: 3, Sheep: 3 Kroonstad, Kroonstad Dierehospitaal Beef: 2 Kwazulu-Natal Howick, Howick Veterinary Clinic Dairy: 3 Western Cape Malmesbury, Malmesbury Dierehospitaal Beef: 3, Dairy: 3, Sheep: 2 Northern Cape De Aar, De Aar Veterinary Clinic Sheep: 3  Bladder stones  Average  Limpopo North West State Kwazulu- Eastern Cape Cape Cape  Average  1.0 (1)  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported	Dairy						3.0 (1)		3.0 (1)		
Hammanskraal, Themba Animal Clinic Beef: 1, Sheep: 1 Free State Hoopstad, Hoopstad Dierekliniek Beef: 3, Sheep: 3 Kroonstad, Kroonstad Dierehospitaal Beef: 2 Kwazulu-Natal Howick, Howick Veterinary Clinic Dairy: 3 Western Cape Malmesbury, Malmesbury Dierehospitaal Beef: 3, Dairy: 3, Sheep: 2 Northern Cape De Aar, De Aar Veterinary Clinic Sheep: 3  Bladder stones  PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu-Cape Cape Cape  Average  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported	Sheep		1.0 (1)						2.0 (1)	3.0 (1)	
Beef: 1, Sheep: 1 Free State Hoopstad, Hoopstad Dierekliniek Beef: 3, Sheep: 3 Kroonstad, Kroonstad Dierehospitaal Beef: 2 Kwazulu-Natal Howick, Howick Veterinary Clinic Dairy: 3 Western Cape Malmesbury, Malmesbury Dierehospitaal Beef: 3, Dairy: 3, Sheep: 2 Northern Cape De Aar, De Aar Veterinary Clinic Sheep: 3  Bladder stones  PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu- Cape Cape  Average  1.0 (1)  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported	Gauteng										
Free State Hoopstad, Hoopstad Dierekliniek Beef: 3, Sheep: 3 Kroonstad, Kroonstad Dierehospitaal Beef: 2 Kwazulu-Natal Howick, Howick Veterinary Clinic Dairy: 3 Western Cape Malmesbury, Malmesbury Dierehospitaal Beef: 3, Dairy: 3, Sheep: 2 Northern Cape De Aar, De Aar Veterinary Clinic Sheep: 3  Bladder stones  PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu- Cape Cape Cape  Average  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported			Animal Cli	nic							
Hoopstad, Hoopstad Dierekliniek Beef: 3, Sheep: 3  Kroonstad, Kroonstad Dierehospitaal Beef: 2  Kwazulu-Natal Howick, Howick Veterinary Clinic Dairy: 3  Western Cape Malmesbury, Malmesbury Dierehospitaal Beef: 3, Dairy: 3, Sheep: 2  Northern Cape De Aar, De Aar Veterinary Clinic Sheep: 3  Bladder stones  PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu-Natal Eastern Cape  Average  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported		ep: 1									
Reef: 3, Sheep: 3  Kroonstad, Kroonstad Dierehospitaal Beef: 2  Kwazulu-Natal Howick, Howick Veterinary Clinic Dairy: 3  Western Cape Malmesbury, Malmesbury Dierehospitaal Beef: 3, Dairy: 3, Sheep: 2  Northern Cape De Aar, De Aar Veterinary Clinic Sheep: 3  Bladder stones  PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu-Natal  Limpopo North Natal  Lim											
Recef: 2  Kwazulu-Natal Howick, Howick Veterinary Clinic Dairy: 3  Western Cape Malmesbury, Malmesbury Dierehospitaal Beef: 3, Dairy: 3, Sheep: 2 Northern Cape De Aar, De Aar Veterinary Clinic Sheep: 3  Bladder stones  PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu-Cape Cape  Average  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported		•	ekliniek								
Kwazulu-Natal Howick, Howick Veterinary Clinic Dairy: 3 Western Cape Malmesbury, Malmesbury Dierehospitaal Beef: 3, Dairy: 3, Sheep: 2 Northern Cape De Aar, De Aar Veterinary Clinic Sheep: 3  Bladder stones  PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu- Cape Cape Cape  Average  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported		•									
Kwazulu-Natal Howick, Howick Veterinary Clinic Dairy: 3 Western Cape Malmesbury, Malmesbury Dierehospitaal Beef: 3, Dairy: 3, Sheep: 2 Northern Cape De Aar, De Aar Veterinary Clinic Sheep: 3  Bladder stones  PROVINCE Mpumalanga Gauteng Limpopo West State Kwazulu- Rater Cape Cape  Average  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported		Kroonstad Die	rehospita	al							
Howick, Howick Veterinary Clinic  Dairy: 3  Western Cape  Malmesbury, Malmesbury Dierehospitaal  Beef: 3, Dairy: 3, Sheep: 2  Northern Cape  De Aar, De Aar Veterinary Clinic  Sheep: 3  Bladder stones  PROVINCE Mpumalanga Gauteng Limpopo North Free West State Kwazulu- Cape Cape Cape  1.0 (1)  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported											
Western Cape Malmesbury, Malmesbury Dierehospitaal Beef: 3, Dairy: 3, Sheep: 2 Northern Cape De Aar, De Aar Veterinary Clinic Sheep: 3  Bladder stones  PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu-Natal Eastern Cape Cape  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported											
Western Cape Malmesbury, Malmesbury Dierehospitaal Beef: 3, Dairy: 3, Sheep: 2 Northern Cape De Aar, De Aar Veterinary Clinic Sheep: 3  Bladder stones  PROVINCE Mpumalanga Gauteng Limpopo North West State State State Natal  Limpopo North Natal  Limpopo Northern Cape  1.0 (1)  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported		wick Veterinai	y Clinic								
Malmesbury, Malmesbury Dierehospitaal Beef: 3, Dairy: 3, Sheep: 2 Northern Cape De Aar, De Aar Veterinary Clinic Sheep: 3  Bladder stones  PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu- Cape Cape  Average  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported											
Beef: 3, Dairy: 3, Sheep: 2 Northern Cape De Aar, De Aar Veterinary Clinic Sheep: 3  Bladder stones  PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu- Rastern Cape  Average  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported			D'								
Northern Cape De Aar, De Aar Veterinary Clinic Sheep: 3  Bladder stones  PROVINCE Mpumalanga Gauteng Limpopo North West Free State Natal Eastern Cape Cape  Average  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported		•	Dierehos	pitaal							
De Aar, De Aar Veterinary Clinic Sheep: 3  Bladder stones  PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu- Rate Cape Cape  Average  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported											
Bladder stones  PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu- Rate Cape Cape  Average  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported			Clinia								
PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu- Rate Cape Cape Cape  Average  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported		nar veterinary	CIINIC								
PROVINCE Mpumalanga Gauteng Limpopo North West Free State Kwazulu- Ratal Eastern Cape Northern Cape  1.0 (1)  Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported		tones								^	
Average  Limpopo West State Natal Cape Cape  1.0 (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 scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported	PROVINCE	Mpumalanga	Gauteng	Limpopo							
reported	Average								1.0 (1)		
1.0 (1)	Level of imported	ortance scale: 1	= one case	e, 2 = more	e than or	ne case l	but less than	ten and 3	= more tha	n 10 cases	
	Goat								1.0(1)		

Western Ca									
<b>Beaufort We</b> Goat: 1	est, Beaufort \	West State	e Vet						
Angora rams									
Blindness	;								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.0 (3)	2.0 (1)	ı	2.0 (3)	2.0 (1)
Level of imported	ortance scale: 1	= one case	e, 2 = more	e than or	ne case I	but less than	ten and 3	= more tha	n 10 cases
Beef					2.0 (2)	2.0 (1)		2.0 (1)	
Dairy								2.0 (1)	
Sheep					2.0 (1)			2.0 (1)	2.0 (1)
Beef: 2  Kwazulu-Na Estcourt, Es Beef: 2  Western Ca Beaufort We Sheep: 2 Drought, Vita Malmesbury Beef: 2, Dairy Northern Ca	tcourt Vet Clin pe est, Beaufort V min A deficiency y, Malmesbury	nic West State / Dierehos							_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (2)	1.7 (3)			2.0 (1)	2.0 (2)		1.8 (5)	
Level of imported	ortance scale: 1	= one case	e, 2 = more	e than or	ne case l	but less than	ten and 3	= more tha	n 10 cases
Beef	1.0 (2)	1.0 (1)			2.0 (1)			1.5 (2)	
Beef Dairy	1.0 (2)	1.0 (1)				2.0 (2)		1.5 (2) 2.5 (2)	
	1.0 (2)	1.0 (1) 2.0 (1)				2.0 (2)			
Dairy	1.0 (2)					2.0 (2)		2.5 (2)	

Crostulsi C	rootuloi Diovo	klimiak							
Beef: 1	rootvlei Diere	Kiiniek							
	Cape Cross Vol	kernet Die	rehosnita	اد					
Beef: 1	ape Closs Vol	KSI USC DIC	renospica	aı					
Gauteng									
	raal, Themba <i>l</i>	nimal Cli	nic						
Sheep: 2, Go		Allilliai Cili	ilic						
	al. 2 Iderstepoort A	cadomic I	Josnital a	nd Droc	luction	Animal Clin	io		
Beef: 1	iderstepoort A	cauemic	nospitai a	na Proc	luction	Animai Ciii	IIC		
Free State									
	Harriamith Di	arahaanit:							
Beef: 2	Harrismith Die	erenospic	aaı						
Kwazulu-Na									
	tcourt Vet Clir	1IC							
Dairy: 2		Cl!!.							
	wick Veterinar	y Clinic							
Dairy: 2									
Western Ca									
	ledon Dierekli	піек							
Dairy: 2			•• - •						
	erberg Veterii	nary Hosp	ital						
Beef: 1									
	,, Bergzight Di	erehospit	aal						
Sheep: 1									
	y, Malmesbury	Dierehos	pitaal						
Beef: 2, Dairy	/: 3								
Blood gu	t (sheep and	d goat)							^
				North	Eroo	Kwazulu-	Factorn	Western	Northern
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal			
PROVINCE	Mpumalanga	Gauteng	Limpopo				Eastern Cape	Western Cape	Northern Cape
PROVINCE	Mpumalanga	Gauteng	Limpopo		State				
	Mpumalanga	Gauteng	Limpopo		State 2.0				
PROVINCE  Average	Mpumalanga	Gauteng	Limpopo		State				
Average				West	2.0 (1)	Natal	Cape	Cape	Cape
Average  Level of impo	Mpumalanga  ortance scale: 1			West	2.0 (1)	Natal	Cape	Cape	Cape
Average				West	2.0 (1)	Natal	Cape	Cape	Cape
Average  Level of impo				West	2.0 (1)	Natal	Cape	Cape	Cape
Average  Level of impo				West	2.0 (1) ne case 2.0	Natal	Cape	Cape	Cape
Average  Level of imporeported				West	2.0 (1)	Natal	Cape	Cape	Cape
Average  Level of imporeported				West	2.0 (1) ne case 2.0	Natal	Cape	Cape	Cape
Average  Level of imporeported  Sheep  Free State		= one case	e, 2 = more	West	2.0 (1) ne case 2.0	Natal	Cape	Cape	Cape
Average  Level of impore reported  Sheep  Free State Harrismith,	ortance scale: 1	= one case	e, 2 = more	West	2.0 (1) ne case 2.0	Natal	Cape	Cape	Cape
Average  Level of impore reported  Sheep  Free State Harrismith, Sheep: 2	ortance scale: 1  Harrismith Die	= one case	e, 2 = more	West	2.0 (1) ne case 2.0	Natal	Cape	Cape	Cape
Average  Level of impore reported  Sheep  Free State Harrismith,	ortance scale: 1  Harrismith Die	= one case	e, 2 = more	West	2.0 (1) ne case 2.0	Natal	Cape	Cape	Cape
Average  Level of impore reported  Sheep  Free State Harrismith, Sheep: 2	ortance scale: 1  Harrismith Die	= one case	e, 2 = more	West	2.0 (1) ne case 2.0	Natal	Cape	Cape	Cape
Average  Level of impore reported  Sheep  Free State Harrismith, Sheep: 2  Blue udde	ortance scale: 1  Harrismith Did	= one case	e, 2 = more	West	2.0 (1) ne case 2.0 (1)	Natal	ten and 3	Cape	Cape
Average  Level of impore reported  Sheep  Free State Harrismith, Sheep: 2  Blue udde	ortance scale: 1  Harrismith Die	= one case	e, 2 = more	West e than or	2.0 (1) ne case 2.0 (1) Free	<b>Natal</b> but less than	ten and 3	= more tha	n 10 cases
Average  Level of impore reported  Sheep  Free State Harrismith, Sheep: 2  Blue udde	ortance scale: 1  Harrismith Did	= one case	e, 2 = more	West than or	2.0 (1) ne case 2.0 (1) Free	Natal but less than	ten and 3	= more tha	n 10 cases  Northern
Average  Level of impore reported  Sheep  Free State Harrismith, Sheep: 2  Blue udde	ortance scale: 1  Harrismith Did	= one case	e, 2 = more	West than or	2.0 (1) ne case  2.0 (1)  Free State	Natal but less than	ten and 3	= more tha	n 10 cases  Northern
Average  Level of impore reported  Sheep  Free State Harrismith, Sheep: 2  Blue udde	ortance scale: 1  Harrismith Did	= one case	e, 2 = more	West than or North West 2.0	2.0 (1) ne case 2.0 (1) Free State 1.7	Natal but less than	ten and 3	Cape  = more that  Western Cape	n 10 cases  Northern
Average  Level of impore reported  Sheep  Free State Harrismith, Sheep: 2  Blue udde  PROVINCE	ortance scale: 1  Harrismith Did	= one case	e, 2 = more	West than or	2.0 (1) ne case  2.0 (1)  Free State	Natal but less than	ten and 3	= more tha	n 10 cases  Northern
Average  Level of impore reported  Sheep  Free State Harrismith, Sheep: 2  Blue udde  PROVINCE	Portance scale: 1  Harrismith Did  er  Mpumalanga	= one case	e, 2 = more	West than or North West 2.0 (1)	2.0 (1) ne case 2.0 (1) Free State 1.7 (6)	but less than  Kwazulu- Natal	ten and 3  Eastern Cape	Cape  = more that  Western Cape  2.0 (1)	n 10 cases  Northern Cape
Average  Level of impore reported  Sheep  Free State Harrismith, Sheep: 2  Blue udde  PROVINCE  Average  Level of impore	ortance scale: 1  Harrismith Did	= one case	e, 2 = more	West than or North West 2.0 (1)	2.0 (1) ne case 2.0 (1) Free State 1.7 (6)	but less than  Kwazulu- Natal	ten and 3  Eastern Cape	Cape  = more that  Western Cape  2.0 (1)	n 10 cases  Northern Cape
Average  Level of impore reported  Sheep  Free State Harrismith, Sheep: 2  Blue udde  PROVINCE	Portance scale: 1  Harrismith Did  er  Mpumalanga	= one case	e, 2 = more	West than or North West 2.0 (1)	2.0 (1) ne case 2.0 (1) Free State 1.7 (6)	but less than  Kwazulu- Natal	ten and 3  Eastern Cape	Cape  = more that  Western Cape  2.0 (1)	n 10 cases  Northern Cape
Average  Level of impore reported  Sheep  Free State Harrismith, Sheep: 2  Blue udde  PROVINCE  Average  Level of impore	Portance scale: 1  Harrismith Did  er  Mpumalanga	= one case	e, 2 = more	West than or North West 2.0 (1)	2.0 (1)  Pree Case  1.7 (6)  The case	but less than  Kwazulu- Natal	ten and 3  Eastern Cape	Cape  = more that  Western Cape  2.0 (1)	n 10 cases  Northern Cape
Average  Level of impore reported  Sheep  Free State Harrismith, Sheep: 2  Blue udde  PROVINCE  Average  Level of impore	Portance scale: 1  Harrismith Did  er  Mpumalanga	= one case	e, 2 = more	West than or North West 2.0 (1)	2.0 (1)  Free State  1.7 (6)  1.0	but less than  Kwazulu- Natal	ten and 3  Eastern Cape	Western Cape  2.0 (1)  = more than	n 10 cases  Northern Cape
Average  Level of impore reported  Sheep  Free State Harrismith, Sheep: 2  Blue udde  PROVINCE  Average  Level of impore reported	Portance scale: 1  Harrismith Did  er  Mpumalanga	= one case	e, 2 = more	West than or North West 2.0 (1)	2.0 (1)  Pree Case  1.7 (6)  The case	but less than  Kwazulu- Natal	ten and 3  Eastern Cape	Cape  = more that  Western Cape  2.0 (1)	n 10 cases  Northern Cape
Average  Level of impore reported  Sheep  Free State Harrismith, Sheep: 2  Blue udde  PROVINCE  Average  Level of impore reported	Portance scale: 1  Harrismith Did  er  Mpumalanga	= one case	e, 2 = more	West than or North West 2.0 (1)	2.0 (1)  Free State  1.7 (6)  1.0	but less than  Kwazulu- Natal	ten and 3  Eastern Cape	Western Cape  2.0 (1)  = more than	n 10 cases  Northern Cape

					(5)				
Goat				2.0 (1)					
North West									
	p, Ventersdorp	Diereklir	niek						
Goat: 2									
Free State									
	ocolan Dierek	liniek							
Dairy: 1, She	ep: 2 Harrismith Die	arahasnit							
Sheep: 2	marrisinicii Di	ciciospic	aaı						
	land Dierehos	pitaal							
Sheep: 2									
	gepoort Dierel	diniek Ve	nnootskap	)					
Sheep: 2									
Wesselsbro	n, Wesselsbro	n Dierekli	niek						
Sheep: 1									
Western Ca									
	h, Stellenbosc	h Animal	Hospital						
Dairy: 2									
Diarrhoe	a								_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.6 (5)	2.0 (2)	1.0 (3)	3.0 (6)	2.7 (18)	2.5 (4)	1.3 (3)	2.3 (6)	
Level of impore	ortance scale: 1	= one case	e, 2 = more	e than or	ne case	but less than	ten and 3	= more tha	n 10 cases
Beef	2.7 (3)	2.0 (1)	1.0(1)	3.0 (3)	2.7 (7)	2.0 (2)	1.5 (2)		
Dairy					3.0 (1)	3.0 (2)		2.2 (5)	
Sheep	2.5 (2)		1.0 (1)	3.0 (3)	2.6 (10)		1.0 (1)	3.0 (1)	
Goat		2.0 (1)	1.0 (1)						
Mpumalang Balfour, Bal	a four Diereklin	iek							
Beef: 3									
Ermelo, Moi	regloed Veteri	nêre Spre	ekkamer						
Beef: 2		-							
	, Middelburg l	Dierehosp	itaal						
Beef: 3, Shee									
	Cape Cross Vol	ksrust Die	erehospita	al					
Sheep: 2									
Gauteng Bansfonteir	n, Bapsfontein	Dierekoo	nitaal						
<b>варѕтопте</b> тп Beef: 2	i, papsiontein	Dietenos	piladi						
	raal, Themba A	Animal Cli	nic						
Goat: 2	, Thombu P								
Limpopo									
	Pietersburg V	eterinary	Clinic						
	ep: 1, Goat: 1								

**North West** Christiana, Christiana Dierehospitaal Beef: 3, Sheep: 3 Klerksdorp, Klerksdorp Dierehospitaal Beef: 3, Sheep: 3 Ventersdorp, Ventersdorp Dierekliniek Beef: 3, Sheep: 3 **Free State Bloemfontein, Dr Stephan Wessels Bultfontein, Greylingsrust Dierespreekkamer** Sheep: 2 Lambs Clocolan, Clocolan Dierekliniek Beef: 3, Dairy: 3, Sheep: 3 Harrismith, Harrismith Dierehospitaal Beef: 3, Sheep: 3 Hoopstad, Hoopstad Dierekliniek Beef: 3, Sheep: 3 **Kroonstad, Kroonstad Dierehospitaal** Sheep: 3 Ladybrand, Ladybrand Beef: 2, Sheep: 2 Reitz, Riemland Dierehospitaal Sheep: 3 Viljoenskroon, Viljoenskroon Dierekliniek Beef: 3 Villiers, Wilgepoort Dierekliniek Vennootskap Sheep: 3 Vrede, Vrede Dierehospitaal Sheep: 2 Wesselsbron, Wesselsbron Dierekliniek Sheep: 2 Winburg, Winburg Dierekliniek Beef: 2 Kwazulu-Natal **Estcourt, Estcourt Vet Clinic** Beef: 2, Dairy: 3 **Howick, Howick Veterinary Clinic** Dairy: 3 **Underberg, Underberg Veterinary Surgery** Beef: 2 **Eastern Cape Graaff-Reinet, Graaff Reinet Veterinary Clinic** Beef: 2 **Humansdorp, Humansdorp Veterinary Clinic** Beef: 1 Middelburg (EC), Steynsburg Dierehospitaal Sheep: 1 **Western Cape Caledon, Overberg Veterinary Hospital** Dairy: 1 Malmesbury, Dr Otto Kriek Dairy: 3 Malmesbury, Malmesbury Dierehospitaal Dairy: 3, Sheep: 3 Stellenbosch, Stellenbosch Animal Hospital Swellendam, Swellendam Dierehospitaal Dairy: 3

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)							1.0 (2)	
Level of impore	ortance scale: 1	= one case	e, 2 = more	than or	ne case	but less than	ten and 3	= more tha	n 10 cases
Sheep	2.0(1)							1.0(2)	
<b>Apumalang</b>	а								
Er <mark>melo, Mo</mark> i Sheep: 2	regloed Veteri	nêre Spre	ekkamer						
Western Ca	ре								
	y, Malmesbury	Dierehos	pitaal						
Sheep: 1	h, Stellenbosc	h Animal I	<b>∐ocnital</b>						
Sheep: 1	ii, Stellelibosc	II Allilliai	поѕрісаі						
Eye Canc	er								_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.0 (2)	2.0 (3)		2.0 (2)	
Average  Level of imporeported	ortance scale: 1	= one case	e, 2 = more	e than or	(2)		ten and 3		n 10 cases
Level of impo	ortance scale: 1	= one case	e, 2 = more	than or	(2)		ten and 3		n 10 cases
Level of imporeported	ortance scale: 1	= one case	e, 2 = more	than or	(2) ne case 2.0	but less than	ten and 3		n 10 cases
Level of impore reported  Beef Dairy Free State				than or	(2) ne case 2.0	but less than	ten and 3	= more tha	n 10 cases
Level of impore ported  Beef  Dairy  Free State  Harrismith,	ortance scale: 1			e than or	(2) ne case 2.0	but less than	ten and 3	= more tha	n 10 cases
Level of impore ported  Beef  Dairy Free State Harrismith, Beef: 2	Harrismith Die	erehospita		e than or	(2) ne case 2.0	but less than	ten and 3	= more tha	n 10 cases
Level of impore reported  Beef  Dairy Free State Harrismith, Beef: 2 Winburg, W Beef: 2	Harrismith Did	erehospita		e than or	(2) ne case 2.0	but less than	ten and 3	= more tha	n 10 cases
Level of impore reported  Beef  Dairy Free State Harrismith, Beef: 2 Winburg, W Beef: 2 Kwazulu-Na	Harrismith Did Inburg Dierek	erehospita Iiniek		e than or	(2) ne case 2.0	but less than	ten and 3	= more tha	n 10 cases
Level of impore reported  Beef  Dairy Free State Harrismith, Beef: 2 Winburg, W Beef: 2 Kwazulu-Na Estcourt, Es	Harrismith Did	erehospita Iiniek		e than or	(2) ne case 2.0	but less than	ten and 3	= more tha	n 10 cases
Level of impore reported  Beef  Dairy Free State Harrismith, Beef: 2 Winburg, W Beef: 2 Kwazulu-Na Estcourt, Es	Harrismith Did Inburg Dierek	erehospita liniek nic		e than or	(2) ne case 2.0	but less than	ten and 3	= more tha	n 10 cases
Level of impore reported  Beef  Dairy Free State Harrismith, Beef: 2 Winburg, W Beef: 2 Kwazulu-Na Estcourt, Estatourt, E	Harrismith Dierek Atal Stcourt Vet Clir	erehospita liniek nic ry Clinic	aal	e than or	(2) ne case 2.0	but less than	ten and 3	= more tha	n 10 cases
Level of impore reported  Beef  Dairy Free State Harrismith, Beef: 2 Winburg, W Beef: 2 Kwazulu-Na Estcourt, Estoairy: 2 Howick, Howard	Harrismith Did Inburg Dierek Intal Intcourt Vet Clir	erehospita liniek nic ry Clinic	aal	e than or	(2) ne case 2.0	but less than	ten and 3	= more tha	n 10 cases
Level of impore reported  Beef  Dairy  Free State Harrismith, Beef: 2 Winburg, W Beef: 2 Kwazulu-Na Estcourt, Estoairy: 2 Howick, Howard Howar	Harrismith Dierek Inburg Dierek Ital Itcourt Vet Clir Wick Veterina Mtubatuba Ar	erehospita liniek nic ry Clinic	aal	e than or	(2) ne case 2.0	but less than	ten and 3	= more tha	n 10 cases
Level of impore reported  Beef  Dairy Free State Harrismith, Beef: 2 Winburg, W Beef: 2 Kwazulu-Na Estcourt, Es Dairy: 2 Howick, Horo Dairy: 3 Mtubatuba, Beef: 1 Western Ca Malmesbury	Harrismith Dierek Inburg Dierek Ital Itcourt Vet Clir Wick Veterina Mtubatuba Ar	erehospita liniek nic ry Clinic	aal ic	e than or	(2) ne case 2.0	but less than	ten and 3	= more tha	n 10 cases
Level of imporeported  Beef  Dairy Free State Harrismith, Beef: 2 Winburg, W Beef: 2 Kwazulu-Na Estcourt, Es Dairy: 2 Howick, Hord Dairy: 3 Mtubatuba, Beef: 1 Western Ca Malmesbury Dairy: 2	Harrismith Did inburg Dierek atal stcourt Vet Clin wick Veterina Mtubatuba Ar pe y, Bergzight Di	erehospita liniek nic ry Clinic nimal Clini	aal ic	e than or	(2) ne case 2.0	but less than	ten and 3	= more tha	n 10 cases
Level of impore reported  Beef  Dairy Free State Harrismith, Beef: 2 Winburg, W Beef: 2 Kwazulu-Na Estcourt, Estcour	Harrismith Diereketal Stcourt Vet Clir Wick Veterinan Mtubatuba Ar	erehospita liniek nic ry Clinic nimal Clini	aal ic	e than or	(2) ne case 2.0	but less than	ten and 3	= more tha	n 10 cases
Level of imporeported  Beef  Dairy Free State Harrismith, Beef: 2 Winburg, W Beef: 2 Kwazulu-Natistcourt, Estourt, Estou	Harrismith Did finburg Dierek atal stcourt Vet Clin wick Veterinar Mtubatuba Ar pe y, Bergzight Di y, Malmesbury	erehospita liniek nic ry Clinic nimal Clini	aal ic	e than or	(2) ne case 2.0	but less than	ten and 3	= more tha	n 10 cases

Average	2.0 (5)	2.0 (1)	1.0 (2)	2.3 (4)	2.5 (11)	2.0 (10)	2.0 (5)	2.2 (6)	
Lovel of impe	ortanco cealou 1	- one case	2 - mara	than or	no caso k	out loss than	ton and 2	- mara than	10 0000
reported	ortance scale: 1	= one case	e, z = more	than or	ie case i	out less than	ten and 3	= more man	10 Cases
Теропеса				2.2	0.7		1		
Beef	2.0(2)		1.0(2)	2.3	2.7	2.0 (4)	2.0(2)	2.0 (3)	
			( )	(3)	(6)	· /		. ,	
Dairy					2.0 (1)	3.0 (2)	2.0 (1)	2.3 (3)	
Sheep	2.0 (2)			2.0 (1)	2.5 (4)	1.5 (2)	2.0 (2)		
Goat	2.0(1)	2.0(1)				1.5 (2)			
Mpumalang		<u> </u>							
	- four Diereklin	iek							
Beef: 2, Shee									
Volksrust, C	ape Cross Vol	ksrust Die	rehospita	al					
Beef: 2, Shee	p: 2								
Gauteng									
	aal, Themba <i>l</i>	Animal Cli	nic						
Goat: 2									
Limpopo		. <b></b>							
	rtemis Veterir	nary Servi	ces						
Beef: 1 Dexter									
	Pietersburg V	eterinary	Clinic						
Beef: 1	rictersburg v	ctermary	Cillic						
North West									
Christiana,	Christiana Die	rehospita	al						
Beef: 3		•							
	Klerksdorp Di	erehospit	aal						
Beef: 2, Shee	•								
-	, Ventersdorp	Diereklin	iek						
Beef: 2									
Free State	F	h l a la a C\	,						
-	Freestate Bet	nienem S	<u> </u>						
Sheep: 1	in, Dr Stephan	Wessels							
Beef: 3	iii, Di Stepilai	1 WC33C13							
	ocolan Dierek	liniek							
Beef: 2									
Harrismith,	Harrismith Di	erehospita	aal						
Beef: 3, Shee	p: 3								
	s Dierehospita	al							
Beef: 3									
	land Dierehos	pitaal							
	v: 2, Sheep: 3	oon Diesel	dinial						
Sheep: 3	on, Viljoenskro	on pierei	MIIIIEK						
•	e Dierehospita	aal							
Beef: 2	c Dici chospita	aw I							
Kwazulu-Na	ıtal								
	tcourt Vet Cli	nic							
Dairy: 3									
•	wick Veterina	ry Clinic							
Beef: 3, Dairy									
Mtubatuba,	Mtubatuba Aı	nimal Clini	ic						

Beef: 2, Goat									
	ngola Animal	Clinic							
Goat: 1									
	Underberg Ve	terinary S	Surgery						
Beef: 1, Shee									
	yheid Privaat \	/eeartse							
Beef: 2, Shee	•								
Eastern Cap									
	Alexandria Pla	atteland S	Spreekkan	1er					
Dairy: 2									
	et, Camdeboo	Veterina	ry Clinic						
Sheep: 1		\/	Clii-						
	p, Humansdor	p veterin	ary Clinic						
Beef: 1	(FC) Ctarmah	Diawa	haanitaal						
	(EC), Steynsb	urg Diere	nospitaai						
Beef: 3, Shee	•								
Western Ca	•	a a mital							
Beef: 2, Dair	orge Animal H	ospital							
	y. ∠ y, Bergzight Di	iorobocni	taal						
Maimesbury Dairy: 2	, bergzigiit Di	iei eiiospii	Laai						
	y, Malmesbury	Dierehoe	nitaal						
Beef: 3, Dairy	· · · · · · · · · · · · · · · · · · ·	DICT CITOS	pituui						
	h, Stellenbosc	h Animal	Hospital						
Beef: 1	ii, otellelibose	II AIIIIIQI	Поэрна						
been 1									
Joint Ill									^
PROVINCE	Mpumalanga	Gauteng	Limpopo		Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)	1.0 (2)	1.0 (1)	2.5 (2)	2.0 (3)	2.0 (3)	2.0 (1)		
Level of impore reported	ortance scale: 1	= one case	e, 2 = more			but less than	ten and 3	= more tha	in 10 cases
Beef	2.0 (1)	1.0(1)	1.0 (1)	2.5 (2)	3.0 (1)	2.0 (1)			
Dairy					1.0 (1)	2.0 (1)			
Sheep					2.0 (1)	2.0 (1)	2.0 (1)		
Goat		1.0(1)							
Mpumalang	ja .								
	regloed Veteri	nêre Spre	ekkamer						
Beef: 2									
Gauteng									
	spruit, Kerkstr	aat Diere	kliniek						
Beef: 1, Goat									
Limpopo									
Mokopane,	Dr Henk Visse	r							
Beef: 1									
North West									
	Christiana Die	rehospita	al						
Beef: 3									
Klerksdorp, Beef: 2	Klerksdorp Di	erehospit	taal						
beer. Z									

Free State									
	Harrismith Die	orobosnit	a a l						
Beef: 3, Shee		erenospic	aaı						
	nekal Dierekli	niek							
Dairy: 1	nekai Dierekii	IIICK							
Kwazulu-Na	ıtal								
	wick Veterinar	v Clinic							
Dairy: 2	THER VECETIGA	, ciiiic							
	/heid Privaat \	/eeartse							
Beef: 2, Shee									
Eastern Cap									
<b>Graaff-Rein</b>	et, Graaff Reir	net Veteri	nary Clinic	С					
Sheep: 2									
Lamenes	s/Foot Prob	lems							^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.6 (5)	2.0 (9)		2.2 (6)	2.4 (19)	2.0 (13)	2.4 (5)	2.3 (3)	
Level of impore	ortance scale: 1	= one case	e, 2 = more	e than or	ne case	but less than	ten and 3	= more tha	n 10 cases
Beef	1.7 (3)	2.2 (5)		2.3 (3)	2.2 (9)	1.9 (7)			
Dairy					3.0 (1)	2.0 (3)	2.0 (1)	2.3 (3)	
Sheep	1.5 (2)	2.0 (3)		2.0 (2)	2.5 (8)	2.5 (2)	2.7 (3)		
Goat		1.0 (1)		2.0 (1)	2.0 (1)	2.0 (1)	2.0 (1)		
Mpumalang	a regloed Veteri	nâra Snra	okkamor						
Beef: 2, Shee		ilere Spre	CKKaiiiCi						
	rootvlei Diere	kliniek							
Beef: 2									
Middelburg,	, Middelburg D	ierehospi	taal						
Beef: 1									
	Cape Cross Vol	ksrust Die	rehospita	al					
Sheep: 2									
Gauteng									
	, Bapsfontein	Dierehos	pitaal						
Beef: 2, Shee	ep: Z r <b>aal, Themba A</b>	nimal CI:	nic						
Beef: 3, Goat		ammar Cli	IIIC						
· · · · · · · · · · · · · · · · · · ·	1 rg, Magaliesbu	ıra: Dr Rv	an Jeffrev	,					
Beef: 2		9, <b>-</b> - 1 1 1 1	Junioy						
	ot rot in adult co	WS							
Pretoria, An	ima Veterinar	y Consult	ing Rooms	s					
Beef: 2, Shee	p: 2	-							
•	nderstepoort A	cademic I	Hospital a	nd Prod	luction	<b>Animal Clir</b>	nic		
Beef: 2, Shee	•								
North West		_							
Christiana, G Beef: 3	Christiana Die	rehospita	al						

Klerksdorp, Klerksdorp Dierehospitaal Beef: 2, Sheep: 2, Goat: 2 Ventersdorp, Ventersdorp Dierekliniek Beef: 2, Sheep: 2 **Free State Bethlehem, Freestate Bethlehem SV** Beef: 1 Clocolan, Clocolan Dierekliniek Beef: 3, Dairy: 3, Sheep: 3 Dewetsdorp, Platkop Dierekliniek Beef: 3, Sheep: 3 Kroonstad, Kroonstad Dierehospitaal Beef: 2, Sheep: 2, Goat: 2 Ladybrand, Ladybrand Beef: 2 Foot rot Sheep: 2 **Memel, Memel Veterinary Clinic** Sheep: 3 Parys, Parys Dierehospitaal Philippolis, Rowelsfontein veearts Spreekkamer Viljoenskroon, Viljoenskroon Dierekliniek Beef: 3 Villiers, Wilgepoort Dierekliniek Vennootskap Sheep: 2 Vrede, Saulshoek Dierepraktyk Beef: 2 Vrede, Vrede Dierehospitaal Sheep: 3 Winburg, Winburg Dierekliniek Beef: 2 Kwazulu-Natal Camperdown, Camperdown Vet Clinic Dairy: 1 **Dundee, Endumeni Herd health** Beef: 2 **Estcourt, Estcourt Vet Clinic** Dairy: 2 **Howick, Howick Veterinary Clinic** Beef: 2, Dairy: 3 **Newcastle, Ncanduvet Newcastle** Pietermaritzburg, Richmond Veterinary Clinic Beef: 2 Pongola, Pongola Animal Clinic Beef: 1 **Underberg, Underberg Veterinary Surgery** Beef: 3 Very wet conditions Sheep: 3 Vry wet conditions Vryheid, Vryheid Privaat Veeartse Beef: 2, Sheep: 2, Goat: 2 **Eastern Cape** Alexandria, Alexandria Platteland Spreekkamer

**Graaff-Reinet, Graaff Reinet Veterinary Clinic** 

Sheep: 2, Goat: 2

	(EC), Steynsb	urg Diere	hospitaal						
Sheep: 3	Chultanhain.	Vatarina	Clinia						
Sheep: 3	, Stutterheim	vetermar	y Clinic						
	es and foot scal	d lamonocc	numorouc	flocks	ffected				
Western Ca		ı iaiiiciicss	, Hullicious	IIUCKS C	inecteu				
	y, Bergzight Di	ierehosnit	aal						
Dairy: 2	, beigzigne b	Степозріс	uui						
	y, Dr Otto Krie	k							
Dairy: 2	.,								
	y, Malmesbury	Dierehos	pitaal						
Dairy: 3									
Lung infe	ection								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.7 (7)	1.6 (5)	1.0 (3)	3.0 (2)	2.2 (6)	2.3 (4)	2.0 (1)	1.7 (3)	3.0 (1)
Level of impore	ortance scale: 1	= one case	e, 2 = more			but less than	ten and 3	= more tha	in 10 cases
Beef	1.5 (4)	2.0 (1)	1.0 (1)	3.0 (2)	2.0 (3)	2.3 (3)			
Dairy					0.0	2.0 (1)	,	1.7 (3)	
Sheep	2.0 (3)	2.0 (2)	1.0(1)		2.3 (3)				3.0 (1)
Goat		1.0(2)	1.0(1)				2.0(1)		
Mpumalang	a								
Balfour, Bal	four Diereklin	iek							
Beef: 2									
Pasteurellosis	5								
Sheep: 2									
Pasteurellosis									
	nal Diereklinie	k							
Beef: 1, Shee	•								
Beef: 2	irootvlei Diere	Kiiniek							
	, Middelburg D	ierehosni	taal						
Sheep: 3	,uueiburg b	.c.e.iospi	tuui						
	Cape Cross Vol	ksrust Die	rehosnita	al					
Beef: 1			P 34-						
Gauteng									
	raal, Themba <i>l</i>	Animal Cli	nic						
Goat: 1									
	ima Veterinar	y Consult	ing Rooms	S					
Sheep: 2									
	nderstepoort A	cademic I	Hospital a	nd Proc	luction	<b>Animal Clin</b>	ic		
Beef: 2, Shee	ep: 2, Goat: 1								
Limpopo			a						
	Pietersburg V	eterinary	Clinic						
Beef: 1, Shee									
North West		orobossit	22						
Beef: 3	Klerksdorp Di	erenospit	adı						
	stad, Leeudori	nastad Di	erekliniek						
Lecuating	Judy Lecuudii	ngstau Di	C. CKIIIICK						

Beef: 3 Cattle on veld grazing Free State Bloemfontein, Dr Stepl Beef: 3 Clocolan, Clocolan Dies								
Free State Bloemfontein, Dr Stepl Beef: 3								
Bloemfontein, Dr Stepl Beef: 3								
Beef: 3								
	nan Wessels							
Clocolan Clocolan Die								
iaiij Sibebiali Dici	rekliniek							
Beef: 2, Sheep: 3								
Dewetsdorp, Platkop D	ierekliniek							
Beef: 1								
Philippolis, Rowelsfont	tein veearts	Spreekkan	ner					
Sheep: 1								
Vrede, Vrede Dierehos	pitaal							
Sheep: 3	<i>p</i>							
Kwazulu-Natal								
Dundee, Endumeni Hei	rd health							
Beef: 2	a nearch							
Pasteurella multocida								
Howick, Howick Veteri	nary Clinic							
nowick, nowick veteri Dairy: 2	nary Cillic							
•	Nowcastle							
Newcastle, Ncanduvet	Newcastie							
Beef: 3	Votorinos:	C						
Underberg, Underberg	vecerinary S	ourgery						
Beef: 2								
Eastern Cape		Ol' . ' .						
Graaff-Reinet, Camdeb	oo veterina	ry Clinic						
Goat: 2								
Western Cape								
Malmesbury, Dr Otto K	riek							
Dairy: 2								
This time of the year								
Malmesbury, Malmesb	ury Dierehos	spitaal						
Dairy: 2								
Plettenberg Bay, Plette	enberg Bay <i>F</i>	A Reitz						
Dairy: 1								
One case of septic pleurit	s in a Frieslar	nd cow						
Northern Cape								
Calvinia, Calvinia Veea	rtskliniek							
Sheep: 3								
Pasteurellosis								
March 2011 - 1								
Mastitis in genera								^
PROVINCE Mpumalan	ga Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average 1.0 (1)	1.0 (1)		1.5 (2)	2.5 (2)	2.3 (3)	1.3 (3)	2.8 (5)	
Level of importance scale reported	e: 1 = one cas	e, 2 = more	<u> </u>	<u> </u>	but less than	ten and 3	= more tha	n 10 cases
			4.5	2.0				
Beef 1.0 (1)	1.0(1)		1.5 (2)	3.0 (1)	1.0 (1)	1.0 (2)		
110 (1)				2.0	3.0 (2)	2.0(1)	2.8 (5)	
Dairy				(1)		( )		
Dairy Mpumalanga				(1)				
Dairy	liniek			(1)				

Gauteng									
Bapsfonteir Beef: 1	n, Bapsfontein	Dierehos	pitaal						
North West									
Christiana, Beef: 1	Christiana Die	rehospita	al						
Ventersdor	p, Ventersdorp	Diereklir	iek						
Beef: 2									
Free State									
	in, Dr Stephan	Wessels							
Beef: 3									
	ocolan Dierek	liniek							
Dairy: 2									
Kwazulu-Na		_							
•	tcourt Vet Clir	nic							
Dairy: 3									
	wick Veterina	y Clinic							
Dairy: 3									
	ngola Animal	Clinic							
Beef: 1									
Eastern Cap									
	Alexandria Pla	atteland S	preekkam	ner					
Dairy: 2									
Acute mastiti									
	et, Graaff Reir	net Veteri	nary Clinic	2					
Beef: 1									
	p, Humansdor	p Veterin	ary Clinic						
Beef: 1									
Western Ca	•								
	ledon Dierekli	niek							
Dairy: 3									
	gerberg Diereh	ospitaal l	Darling						
Dairy: 2									
	<i>s uberis</i> mastitis								
	orge Animal H	ospital							
Dairy: 3		-							
	y, Dr Otto Krie	k							
Dairy: 3									
	y, Malmesbury	Dierehos	pitaal						
Dairy: 3									
Navel III									^
				North	Free	Kwazulu-	Eastern	Western	Northern
PROVINCE	Mpumalanga	Gauteng	Limpopo	West	State		Cape	Cape	Саре
				2.0	1.5				
Average	1.0(1)				(2)	2.0(2)		1.5 (2)	
				(2)	(2)				
Level of impore	ortance scale: 1	= one case	e, 2 = more	than or	ne case	but less than	ten and 3	= more tha	n 10 cases
. 5551.00									
Beef	1.0 (1)			2.0	2.0				
DEEI	1.0 (1)			(2)	(1)				
					1.0				
Dairy						3.0(1)		1.5 (2)	
•					(1)				
Goat						1.0(1)			
Mnumalana	2						<u>.</u>		
Mpumalang	ıa e								

Beef: 1 North West									
	Christiana Die	rohoenita	al						
Beef: 2	ciii istialia Die	renospita	91 -						
	, Ventersdorp	Diereklin	iek						
Beef: 2	,								
ree State									
Clocolan, Cl	ocolan Dierek	liniek							
Dairy: 1									
	Harrismith Die	erehospita	aal						
Beef: 2									
Kwazulu-Na		manı Climi							
Sergville, Be Goat: 1	ergville Veteri	nary Ciini	C						
	wick Veterinar	ry Clinic							
Dairy: 3	WICK VECETITION	y Cillic							
Nestern Ca <sub>l</sub>	pe								
	, Malmesbury	Dierehos	pitaal						
Dairy: 2	•								
Stellenbosc	h, Stellenbosc	h Animal	Hospital						
Dairy: 1									(
Red gut (	Sheep)								_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northerr Cape
Average					2.0 (2)				
Level of impo reported	ortance scale: 1	= one case	e, 2 = more	than or	ne case	but less than	ten and 3	= more tha	n 10 cases
Sheep					2.0 (2)				
Free State									
Harrismith,	Harrismith Die	erehospita	aal						
Sheep: 2									
Sheep: 2 Villiers, Wilg	Harrismith Diegepoort Dierel								
Sheep: 2 Villiers, Wilg				)					
Sheep: 2 <b>Villiers, Wilg</b> Sheep: 2				)					4
Sheep: 2 Villiers, Wilg Sheep: 2 Trauma		kliniek Ve	nnootskap	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northerr Cape
Sheep: 2 Villiers, Wilg Sheep: 2 Trauma PROVINCE	gepoort Dierel	kliniek Ve	nnootskap	North					
Sheep: 2 Villiers, Wilg Sheep: 2 Trauma PROVINCE Average	gepoort Dierel	kliniek Ve	Limpopo	North West	1.5 (2)	Natal	1.0 (1)	Cape	Cape
Sheep: 2 Villiers, Wilg Sheep: 2 Trauma PROVINCE Average Level of impo	gepoort Dierel Mpumalanga	kliniek Ve	Limpopo	North West	1.5 (2)	Natal	1.0 (1)	Cape	Cape
Sheep: 2 Villiers, Wilg Sheep: 2 Trauma PROVINCE Average Level of impore	gepoort Dierel Mpumalanga	kliniek Ve	Limpopo  1.0 (1)  e, 2 = more	North West	1.5 (2) ne case	Natal	1.0 (1)	Cape	Cape

Beef: 1				1-1					
Free State	ricarditis (wire p	rotruaing i	nto neart sa	аск)					
	Kroonstad Die	rehospita	al						
Beef: 2			·						
Parys, Parys	s Dierehospita	al							
Beef: 1									
	riarditis (wire pr	otruding in	to heart sa	ck)					
Eastern Cap			Ol' .'.						
Dairy: 1	p, Humansdor	p veterina	ary Clinic						
	ricarditis (wire p	rotruding i	nto heart s	ack)					
Downer									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)	1.0 (1)			1.8 (4)	2.0 (1)		1.0 (1)	
Level of impore	ortance scale: 1	= one case	e, 2 = more	e than or	ne case l	but less than	ten and 3	= more tha	n 10 cases
Beef	1.0 (1)	1.0(1)			1.7 (3)			1.0 (1)	
Dairy					2.0 (1)	2.0 (1)			
Mpumalang		^ -							
Beef: 1	egloed Veteri	nere Spre	ekkamer						
Gauteng									
	aal, Themba A	Animal Cli	nic						
Beef: 1	•								
Free State									
	Greylingsrust	t Dierespr	eekkamer	1					
Beef: 1 Bull									
	ocolan Dierek	liniek							
Dairy: 2									
Harrismith,	Harrismith Di	erehospita	aal						
Beef: 2		-1							
Kroonstad, Beef: 2	Kroonstad Die	renospita	aı						
Kwazulu-Na	ıtal								
	tcourt Vet Clir	nic							
Dairy: 2									
Western Ca									
Caledon, Ov Beef: 1	erberg Veteri	nary Hosp	ıtal						
Other									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					1.0		2.0 (1)	3.0 (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

Beef 2.0 (1)

3.0 (1)

Sheep 1.0 (1)

### **Free State**

## Ladybrand, Ladybrand

Sheep: 1

Mesothelioma and hydrothorax

### **Eastern Cape**

### Alexandria, Alexandria Platteland Spreekkamer

Beef: 2

Anaphylactic shock after tetracycline treatment

#### **Western Cape**

### **Darling, Tygerberg Dierehospitaal Darling**

Dairy: 3

Calf deaths poor colostrum management

# **Metabolic Diseases**

Acidosis									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average		1.5 (4)		2.5 (2)	2.0 (5)	1.5 (2)	1.0 (1)	1.8 (6)	

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

Beef	1.0 (1)	2.0 (1)	2.3 (4)			1.5 (2)	
Dairy		3.0 (1)		2.0 (1)		3.0 (1)	
Sheep	1.7 (3)		1.0 (1)	1.0 (1)		1.7 (3)	
Goat					1.0(1)		

#### Gauteng

# **Bapsfontein, Bapsfontein Dierehospitaal**

Sheep: 2

# Hammanskraal, Themba Animal Clinic

Beef: 1, Sheep: 2

# Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Sheep: 1
North West

# **Brits, Brits Dierekliniek**

Beef: 2

# Rustenburg, Bergbos Dierekliniek

Dairy: 3
Free State

### **Bethlehem, Bethlehem Animal Hospital**

Sheep: 1									
Clocolan, Cl	ocolan Dierek	liniek							
Beef: 2									
Harrismith,	<b>Harrismith Die</b>	erehospita	aal						
Beef: 2									
Vrede, Saul	shoek Dierepra	aktyk							
Beef: 2									
Winburg, W	inburg Dierek	liniek							
Beef: 3									
Kwazulu-Na	ital								
•	tcourt Vet Clir	nic							
Dairy: 2, She									
Eastern Cap									
	et, Camdeboo	Veterinar	y Clinic						
Goat: 1									
Western Ca									
	est, Beaufort <b>V</b>	Nest State	e Vet						
Sheep: 2									
	ing drought feed								
	jerberg Diereh	ospitaal [	Darling						
Sheep: 1									
Lambs	D 6:: ::::								
	,, Dr Otto Krie	K							
Sheep: 2									
	, Malmesbury	Dierenos	рітааі						
Beef: 2, Dairy		l. A							
	h, Stellenbosc	n Animai	Hospitai						
Beef: 1									
Displaced	l abomasun	•							_
									-
	a distinction	•							
			Limpono	North	Free	Kwazulu-	Eastern	Western	Northern
	Mpumalanga		Limpopo	North West			Eastern Cape	Western Cape	Northern Cape
			Limpopo			Natal		Саре	
			Limpopo						
PROVINCE Average	Mpumalanga	Gauteng		West	State	Natal 2.0 (2)	Cape	<b>Cape</b> 2.0 (1)	Cape
PROVINCE  Average  Level of impo		Gauteng		West	State	Natal 2.0 (2)	Cape	<b>Cape</b> 2.0 (1)	Cape
PROVINCE Average	Mpumalanga	Gauteng		West	State	Natal 2.0 (2)	Cape	<b>Cape</b> 2.0 (1)	Cape
PROVINCE  Average  Level of impo	Mpumalanga	Gauteng		West	State	Natal  2.0 (2) but less than	Cape	2.0 (1) = more that	Cape
PROVINCE  Average  Level of imporeported  Dairy	Mpumalanga ortance scale: 1	Gauteng		West	State	Natal 2.0 (2)	Cape	<b>Cape</b> 2.0 (1)	Cape
PROVINCE  Average  Level of imporeported  Dairy  Kwazulu-Na	Mpumalanga  ortance scale: 1	Gauteng  = one case		West	State	Natal  2.0 (2) but less than	Cape	2.0 (1) = more that	Cape
PROVINCE  Average  Level of imporeported  Dairy  Kwazulu-Na Dundee, En	Mpumalanga ortance scale: 1	Gauteng  = one case		West	State	Natal  2.0 (2) but less than	Cape	2.0 (1) = more that	Cape
PROVINCE  Average  Level of imporeported  Dairy  Kwazulu-Na Dundee, Enc Dairy: 2	Mpumalanga  ortance scale: 1  atal dumeni Herd h	Gauteng  = one case		West	State	Natal  2.0 (2) but less than	Cape	2.0 (1) = more that	Cape
PROVINCE  Average  Level of imporeported  Dairy  Kwazulu-Na Dundee, End Dairy: 2  Estcourt, Es	Mpumalanga  ortance scale: 1	Gauteng  = one case		West	State	Natal  2.0 (2) but less than	Cape	2.0 (1) = more that	Cape
PROVINCE  Average  Level of imporeported  Dairy  Kwazulu-Na Dundee, End Dairy: 2  Estcourt, Est Dairy: 2	Mpumalanga  ortance scale: 1  atal dumeni Herd h	Gauteng  = one case		West	State	Natal  2.0 (2) but less than	Cape	2.0 (1) = more that	Cape
PROVINCE  Average  Level of imporeported  Dairy  Kwazulu-Na Dundee, End Dairy: 2  Estcourt, Estimate Dairy: 2  Western Ca	Mpumalanga  ortance scale: 1  otal dumeni Herd hetcourt Vet Clir	Gauteng  = one case  nealth	e, 2 = more	West	State	Natal  2.0 (2) but less than	Cape	2.0 (1) = more that	Cape
PROVINCE  Average  Level of imporeported  Dairy  Kwazulu-Na Dundee, End Dairy: 2  Estcourt, Est Dairy: 2  Western Ca Malmesbury	Mpumalanga  ortance scale: 1  atal dumeni Herd h	Gauteng  = one case  nealth	e, 2 = more	West	State	Natal  2.0 (2) but less than	Cape	2.0 (1) = more that	Cape
PROVINCE  Average  Level of imporeported  Dairy  Kwazulu-Na Dundee, End Dairy: 2  Estcourt, Estimate Dairy: 2  Western Ca	Mpumalanga  ortance scale: 1  otal dumeni Herd hetcourt Vet Clir	Gauteng  = one case  nealth	e, 2 = more	West	State	Natal  2.0 (2) but less than	Cape	2.0 (1) = more that	Cape
PROVINCE  Average  Level of imporeported  Dairy  Kwazulu-Na Dundee, End Dairy: 2  Estcourt, Est Dairy: 2  Western Ca Malmesbury	Mpumalanga  ortance scale: 1  otal dumeni Herd hetcourt Vet Clir	Gauteng  = one case  nealth	e, 2 = more	West	State	Natal  2.0 (2) but less than	Cape	2.0 (1) = more that	Cape
PROVINCE  Average  Level of imporeported  Dairy  Kwazulu-Na Dundee, End Dairy: 2  Estcourt, Estcourt, Estcourt; 2  Western Ca Malmesbury Dairy: 2	Mpumalanga  ortance scale: 1  otal dumeni Herd hetcourt Vet Clir	Gauteng  = one case  nealth	e, 2 = more	West	State	Natal  2.0 (2) but less than	Cape	2.0 (1) = more that	Cape
PROVINCE  Average  Level of imporeported  Dairy  Kwazulu-Na Dundee, Enc Dairy: 2  Estcourt, Est Dairy: 2  Western Ca Malmesbury Dairy: 2  Ketosis	Mpumalanga  ortance scale: 1  ortal dumeni Herd h stcourt Vet Clir pe y, Malmesbury	= one case	e, 2 = more	west than or	state ne case l	Natal  2.0 (2) but less than  2.0 (2)  Kwazulu-	Cape	2.0 (1) = more tha 2.0 (1)	Cape
PROVINCE  Average  Level of imporeported  Dairy  Kwazulu-Na Dundee, Enc Dairy: 2  Estcourt, Est Dairy: 2  Western Ca Malmesbury Dairy: 2  Ketosis	Mpumalanga  ortance scale: 1  otal dumeni Herd hetcourt Vet Clir	= one case	e, 2 = more	west than or	state ne case l	Natal  2.0 (2) but less than  2.0 (2)	ten and 3	2.0 (1) = more tha 2.0 (1)	n 10 cases
PROVINCE  Average  Level of imporeported  Dairy  Kwazulu-Na Dundee, End Dairy: 2  Estcourt, Est Dairy: 2  Western Ca Malmesbury Dairy: 2  Ketosis	Mpumalanga  ortance scale: 1  ortal dumeni Herd h stcourt Vet Clir pe y, Malmesbury	= one case	e, 2 = more	west than or	state ne case l	Natal  2.0 (2) but less than  2.0 (2)  Kwazulu-	ten and 3	2.0 (1) = more that 2.0 (1)  Western	n 10 cases  Northern
PROVINCE  Average  Level of impore reported  Dairy  Kwazulu-Na Dundee, Endairy: 2  Estcourt, Estairy: 2  Western Ca Malmesbury  Dairy: 2  Ketosis  PROVINCE	Mpumalanga  ortance scale: 1  ortal dumeni Herd h stcourt Vet Clir pe y, Malmesbury	= one case	e, 2 = more	west than or	state ne case l	Natal  2.0 (2) but less than  2.0 (2)  Kwazulu- Natal	ten and 3	2.0 (1) = more that 2.0 (1)  Western Cape	n 10 cases  Northern
PROVINCE  Average  Level of imporeported  Dairy  Kwazulu-Na Dundee, End Dairy: 2  Estcourt, Est Dairy: 2  Western Ca Malmesbury Dairy: 2  Ketosis	Mpumalanga  ortance scale: 1  ortal dumeni Herd h stcourt Vet Clir pe y, Malmesbury	= one case	e, 2 = more	west than or	Free State	Natal  2.0 (2) but less than  2.0 (2)  Kwazulu-	ten and 3	2.0 (1) = more that 2.0 (1)  Western	n 10 cases  Northern
PROVINCE  Average  Level of impore reported  Dairy  Kwazulu-Na Dundee, Endairy: 2  Estcourt, Estairy: 2  Western Ca Malmesbury  Dairy: 2  Ketosis  PROVINCE	Mpumalanga  ortance scale: 1  ortal dumeni Herd h stcourt Vet Clir pe y, Malmesbury	= one case	e, 2 = more	west than or	Free State	Natal  2.0 (2) but less than  2.0 (2)  Kwazulu- Natal	ten and 3	2.0 (1) = more that 2.0 (1)  Western Cape	n 10 cases  Northern
PROVINCE  Average  Level of impore reported  Dairy  Kwazulu-Na Dundee, Endairy: 2  Estcourt, Estairy: 2  Western Ca Malmesbury  Dairy: 2  Ketosis  PROVINCE	Mpumalanga  ortance scale: 1  atal dumeni Herd h stcourt Vet Clir pe y, Malmesbury  Mpumalanga	Gauteng  = one case nealth nic Dierehos Gauteng	e, 2 = more	west than or	Free State  2.0 (1)	Natal  2.0 (2) but less than  2.0 (2)  Kwazulu- Natal  1.0 (1)	ten and 3  Eastern Cape	Cape  2.0 (1)  = more than  2.0 (1)  Western Cape  2.0 (2)	n 10 cases  Northern Cape
PROVINCE  Average  Level of imporeported  Dairy  Kwazulu-Na Dundee, Endoiry: 2  Estcourt, Estcou	Mpumalanga  ortance scale: 1  ortal dumeni Herd h stcourt Vet Clir pe y, Malmesbury	Gauteng  = one case nealth nic Dierehos Gauteng	e, 2 = more	west than or	Free State  2.0 (1)	Natal  2.0 (2) but less than  2.0 (2)  Kwazulu- Natal  1.0 (1)	ten and 3  Eastern Cape	Cape  2.0 (1)  = more than  2.0 (1)  Western Cape  2.0 (2)	n 10 cases  Northern Cape

Beef					2.0 (1)				
Dairy								3.0 (1)	
Sheep						1.0(1)		1.0(1)	
Free State						( )	<u>.                                      </u>	. ( )	
	Harrismith Die	erehospita	aal						
Beef: 2									
Kwazulu-Na									
•	tcourt Vet Clin	ic							
Sheep: 1 Western Ca	no								
	(WC), Heidelb	erg Dierel	kliniek						
	y, Malmesbury	Dierehos	pitaal						
Milk Feve	er								_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					1.3 (4)	2.3 (3)		2.2 (6)	
Level of impore	ortance scale: 1	= one case	e, 2 = more	than o	ne case I	but less than	ten and 3	= more tha	n 10 cases
Beef					2.0 (1)				
Dairy					1.0 (3)	2.5 (2)		2.3 (4)	
Sheep						2.0(1)		2.0(2)	
Free State									
· · · · · · · · · · · · · · · · · · ·	ocolan Dierekl	iniek							
Dairy: 1									
Dairy: 1	nekal Diereklii	пек							
Wesselsbro	n, Wesselsbro	n Dierekli	niek						
Dairy: 1 Winburg, W	inburg Dierek	liniek							
Beef: 2	<u> </u>								
Kwazulu-Na	atal								
	ın, Camperdov	n Vet Cli	nic						
Sheep: 2		•							
Dairy: 2	tcourt Vet Clin	IIC							
	wick Veterinar	v Clinic							
Dairy: 3	Wick veterina	y Cilline							
Western Ca	ре								
Darling, Tyg	gerberg Diereh	ospitaal [	Darling						
Sheep: 2									
	orge Animal Ho	ospital							
Dairy: 3	(MC) Haidall		elimi a le						
Dairy: 2	(WC), Heidelb	erg Dierel	KIINIEK						
	y, Malmesbury	Dierehos	nitaal						
Dairy: 3, She		J.C. C.103	pitaui						
/ / Onle	- p - =								

Stellenbosc Dairy: 1	h, Stellenbosc	h Animal	Hospital						
	ctive disea	ises							
Dystocia	(Difficult Bi	rths)							^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.8 (4)	1.7 (7)	1.5 (2)	2.5 (4)	2.1 (20)	1.8 (12)	1.0 (5)	1.7 (7)	2.0 (1)
Level of impore	ortance scale: 1	= one case	e, 2 = more	than or	ne case	but less than	ten and 3	= more tha	n 10 cases
Beef	1.8 (4)	1.7 (3)	1.5 (2)	2.7 (3)	2.0 (12)	1.8 (6)	1.0 (2)	1.3 (3)	2.0 (1)
Dairy					2.0 (1)	2.3 (3)	1.0 (1)	2.0 (4)	
Sheep		1.5 (2)		2.0 (1)	2.1 (7)	1.0 (3)	1.0 (2)		
Goat		2.0 (2)							
Beef: 1 Middelburg,	rootvlei Diere Middelburg D		taal						
Beef: 2 Volksrust, C	ape Cross Vol	•		al					
Beef: 2  Gauteng									
	, Bapsfontein	Dierehos	nitaal						
Beef: 2, Shee		Dicicios	picaai						
Hammanski Beef: 1	raal, Themba <i>l</i>								
Pretoria, Or Beef: 2, Shee	nderstepoort A p: 1, Goat: 2	cademic	Hospital a	nd Prod	luction	Animal Clin	ic		
Limpopo									
	louberg Diere	kliniek							
Beef: 2									
4 cows	Dr Henk Visse	r							
Beef: 1	DI HEHK VISSE								
North West									
	Christiana Die	rehospita	al						
Beef: 3									
	Klerksdorp Di	erehospit	aal						
Beef: 3	. Vontoudo	Diorobia	iok						
Beef: 2, Shee	o, Ventersdorp	Dierekiir	IIEK						
Free State	γ. 2								
	Bethlehem Ar	imal Hos	pital						
Beef: 2, Shee	p: 3								
	in, Dr Stephan	Wessels							
Beef: 1									

Beef: 1

**Bultfontein, Greylingsrust Dierespreekkamer** Beef: 2 Clocolan, Clocolan Dierekliniek Beef: 3 Harrismith, Harrismith Dierehospitaal Beef: 2, Sheep: 2 Hertzogville, Hertzogville Dierekliniek **Hoopstad, Hoopstad Dierekliniek** Beef: 3, Sheep: 2 Kroonstad, Kroonstad Dierehospitaal Beef: 2, Dairy: 2 Ladybrand, Ladybrand Sheep: 1 **Memel, Memel Veterinary Clinic** Beef: 2, Sheep: 2 Parys, Parys Dierehospitaal Beef: 2 Viljoenskroon, Viljoenskroon Dierekliniek Beef: 1, Sheep: 3 Villiers, Wilgepoort Dierekliniek Vennootskap Beef: 2, Sheep: 2 Kwazulu-Natal Camperdown, Camperdown Vet Clinic Sheep: 1 **Dundee, Endumeni Herd health** Beef: 1, Dairy: 2 **Estcourt, Estcourt Vet Clinic** Dairy: 2 **Howick, Howick Veterinary Clinic** Beef: 2, Dairy: 3 Mtubatuba, Mtubatuba Animal Clinic Beef: 2 **Newcastle, Ncanduvet Newcastle** Beef: 3, Sheep: 1 **Underberg, Underberg Veterinary Surgery** Beef: 1, Sheep: 1 **Vryheid, Vryheid Privaat Veeartse** Beef: 2 **Eastern Cape** Alexandria, Alexandria Platteland Spreekkamer Dairy: 1 Schistosomus reflexus Aliwal North, Hertzogbrug Dierekliniek Beef: 1 Middelburg (EC), Steynsburg Dierehospitaal Sheep: 1 **Uitenhage, Uitenhage Dierehospitaal** Beef: 1, Sheep: 1 **Western Cape** Malmesbury, Bergzight Dierehospitaal Beef: 1 Malmesbury, Dr Otto Kriek Dairy: 2 Malmesbury, Malmesbury Dierehospitaal Beef: 2, Dairy: 3 **Oudtshoorn, Oudtshoorn Dierekliniek** Stellenbosch, Stellenbosch Animal Hospital Dairy: 1

	, Swellendam	Dierehos	pitaal						
Dairy: 2									
Northern Ca									
	g, Postmasbu	rg Dierek	liniek						
Beef: 2									
Endometi	ritis								4
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northerr Cape
Average					2.0 (1)	2.7 (3)		2.6 (5)	
Level of imported	ortance scale: 1	= one case	e, 2 = more	than or	ne case	but less than	ten and 3	= more tha	n 10 cases
Beef								2.0(1)	
Dairy					2.0 (1)	2.7 (3)		2.8 (4)	
Free State									
	ocolan Dierek	liniek							
Dairy: 2									
Kwazulu-Na	tal								
	dumeni Herd h	nealth							
Dairy: 2									
	tcourt Vet Clir	nic							
Dairy: 3									
	wick Veterinar	v Clinic							
Dairy: 3	TICK TOTOLING	y Cillino							
Western Ca <sub>l</sub>	ne								
-	ledon Dierekli	niek							
Dairy: 3									
	, Bergzight Di	erehosnit	aal						
Dairy: 2	, beigzigne bi	Сіспозріс	,uui						
•	, Malmesbury	Dierehos	nitaal						
		Diciellos	pitaai						
Beef: 2, Dairy	: 3 , Swellendam	Dioroboo	nitaal						
	, Swellelluam	Dierenos	Pitaai						
Dairy: 3									
Metritis									_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northerr Cape
Average	1.0 (1)			2.0 (2)	2.3 (3)	2.3 (3)	2.0 (2)	1.8 (4)	
Level of impore	ortance scale: 1	= one case	e, 2 = more	than or	ne case	but less than	ten and 3	= more tha	n 10 cases
Beef	1.0(1)			2.0 (2)	3.0 (1)		1.0 (1)		
Dairy					2.0 (2)	2.3 (3)	3.0 (1)	1.8 (4)	
Mpumalanga Balfour, Balf Beef: 1	a four Diereklin	iek							

<b>North West</b>									
Christiana,	Christiana Die	rehospitaa	al						
Beef: 3									
Lichtenburg	, Dr CM Kruge	r-Rall							
Beef: 1									
Free State									
<b>Bloemfonte</b>	in, Dr Stephan	Wessels							
Beef: 3									
Clocolan, Cl	ocolan Dierek	liniek							
Dairy: 2									
•	nekal Dierekli	niek							
Dairy: 2									
Kwazulu-Na	ıtal								
	dumeni Herd h	nealth							
Dairy: 1									
	tcourt Vet Clir	nic							
Dairy: 3	ecoure recom								
	wick Veterinar	v Clinic							
Dairy: 3	WICK VCCCIIIIai	y Cillic							
Eastern Cap	Δ								
	Tenax Vet Cli	nic							
Dairy: 3	Tellax Vet Cil	IIIC							
61 cases									
	(EC) Stormah	a Diarak							
	(EC), Steynsb	urg Dierer	nospitaai						
Beef: 1									
Western Ca									
•	ledon Dierekli	niek							
Dairy: 1		•							
	, Dr Otto Krie	k							
Dairy: 1									
	,, Malmesbury	Dierehos	pitaal						
Dairy: 3									
Dairy: 3 <b>Swellendam</b>	,, Malmesbury n, Swellendam								
Dairy: 3									
Dairy: 3 <b>Swellendam</b> Dairy: 2	n, Swellendam								^
Dairy: 3 <b>Swellendam</b>	n, Swellendam								^
Dairy: 3 Swellendam Dairy: 2 Poor cond	n, Swellendam	Dierehos	pitaal	North	Eroo	<b>Kwazulu</b> .	Factorn	Wastarn	^ Northern
Dairy: 3 Swellendam Dairy: 2 Poor cone	n, Swellendam	Dierehos	pitaal		Free			Western	Northern
Dairy: 3 Swellendam Dairy: 2 Poor cone	n, Swellendam	Dierehos	pitaal	North West		Kwazulu- Natal	Eastern Cape	Western Cape	^ Northern Cape
Dairy: 3 Swellendam Dairy: 2 Poor cone	n, Swellendam	Dierehos	pitaal		State				
Dairy: 3 Swellendam Dairy: 2 Poor cond PROVINCE	n, Swellendam ception Mpumalanga	Dierehos	pitaal			Natal	Саре	Саре	Cape
Dairy: 3 Swellendam Dairy: 2 Poor cone	n, Swellendam	Dierehos	pitaal		<b>State</b> 2.0	Natal	Саре		Cape
Dairy: 3 Swellendam Dairy: 2 Poor cond PROVINCE	n, Swellendam ception Mpumalanga	Dierehos	pitaal		State	Natal	Саре	Саре	Cape
Dairy: 3 Swellendam Dairy: 2 Poor cond PROVINCE Average	n, Swellendam ception Mpumalanga 1.3 (3)	<b>Dierehos Gauteng</b>	pitaal Limpopo	West	2.0 (4)	2.4 (5)	3.0 (1)	2.3 (4)	3.0 (2)
Dairy: 3 Swellendam Dairy: 2 Poor cond PROVINCE Average Level of impo	n, Swellendam ception Mpumalanga	<b>Dierehos Gauteng</b>	pitaal Limpopo	West	2.0 (4)	2.4 (5)	3.0 (1)	2.3 (4)	3.0 (2)
Dairy: 3 Swellendam Dairy: 2 Poor cond PROVINCE Average	n, Swellendam ception Mpumalanga 1.3 (3)	<b>Dierehos Gauteng</b>	pitaal Limpopo	West	2.0 (4)	2.4 (5)	3.0 (1)	2.3 (4)	3.0 (2)
Dairy: 3 Swellendam Dairy: 2 Poor cond PROVINCE Average Level of imporeported	Apumalanga  1.3 (3)  Ortance scale: 1	<b>Dierehos Gauteng</b>	pitaal Limpopo	West	2.0 (4)	Natal  2.4 (5)  but less than	3.0 (1)	2.3 (4)	3.0 (2) an 10 cases
Dairy: 3 Swellendam Dairy: 2 Poor cond PROVINCE Average Level of impo	n, Swellendam ception Mpumalanga 1.3 (3)	<b>Dierehos Gauteng</b>	pitaal Limpopo	West	2.0 (4) ne case 2.0	2.4 (5)	3.0 (1)	2.3 (4)	3.0 (2)
Dairy: 3 Swellendam Dairy: 2 Poor cond PROVINCE Average Level of imporeported	Apumalanga  1.3 (3)  Ortance scale: 1	<b>Dierehos Gauteng</b>	pitaal Limpopo	West	2.0 (4) ne case 2.0 (3)	Natal  2.4 (5)  but less than	3.0 (1)	2.3 (4)	3.0 (2) an 10 cases
Dairy: 3 Swellendam Dairy: 2 Poor cond PROVINCE Average Level of imporeported Beef	Apumalanga  1.3 (3)  Ortance scale: 1	<b>Dierehos Gauteng</b>	pitaal Limpopo	West	2.0 (4) ne case 2.0 (3) 2.0	2.4 (5) but less than 2.0 (3)	3.0 (1)	2.3 (4) = more that	3.0 (2) an 10 cases
Dairy: 3 Swellendam Dairy: 2 Poor cond PROVINCE Average Level of imporeported	Apumalanga  1.3 (3)  Ortance scale: 1	<b>Dierehos Gauteng</b>	pitaal Limpopo	West	2.0 (4) ne case 2.0 (3)	Natal  2.4 (5)  but less than	3.0 (1)	2.3 (4)	3.0 (2) an 10 cases
Dairy: 3 Swellendam Dairy: 2 Poor cond PROVINCE  Average  Level of imporeported  Beef  Dairy	Apumalanga  1.3 (3)  Ortance scale: 1	<b>Dierehos Gauteng</b>	pitaal Limpopo	West	2.0 (4) ne case 2.0 (3) 2.0	2.4 (5) but less than 2.0 (3)	3.0 (1) ten and 3	2.3 (4) = more that 2.0 (2)	3.0 (2) an 10 cases 3.0 (1)
Dairy: 3 Swellendam Dairy: 2 Poor cond PROVINCE  Average  Level of imporeported  Beef  Dairy Sheep	A, Swellendam  Ception  Mpumalanga  1.3 (3)  Ortance scale: 1  1.3 (3)	<b>Dierehos Gauteng</b>	pitaal Limpopo	West	2.0 (4) ne case 2.0 (3) 2.0	2.4 (5) but less than 2.0 (3)	3.0 (1)	2.3 (4) = more that	3.0 (2) an 10 cases
Dairy: 3 Swellendam Dairy: 2 Poor cond PROVINCE  Average  Level of imporreported  Beef  Dairy Sheep  Mpumalang	A, Swellendam Ception Mpumalanga  1.3 (3)  Dirtance scale: 1  1.3 (3)	Gauteng  = one case	pitaal Limpopo	West	2.0 (4) ne case 2.0 (3) 2.0	2.4 (5) but less than 2.0 (3)	3.0 (1) ten and 3	2.3 (4) = more that 2.0 (2)	3.0 (2) an 10 cases 3.0 (1)
Dairy: 3 Swellendam Dairy: 2 Poor cond PROVINCE  Average  Level of imporreported  Beef  Dairy  Sheep  Mpumalang Balfour, Bal	A, Swellendam  Ception  Mpumalanga  1.3 (3)  Ortance scale: 1  1.3 (3)	Gauteng  = one case	pitaal Limpopo	West	2.0 (4) ne case 2.0 (3) 2.0	2.4 (5) but less than 2.0 (3)	3.0 (1) ten and 3	2.3 (4) = more that 2.0 (2)	3.0 (2) an 10 cases 3.0 (1)
Dairy: 3 Swellendam Dairy: 2 Poor cond PROVINCE  Average  Level of imporreported  Beef  Dairy Sheep Mpumalang Balfour, Ball Beef: 1	n, Swellendam  ception  Mpumalanga  1.3 (3)  ortance scale: 1  1.3 (3)	Gauteng  = one case	pitaal Limpopo	West	2.0 (4) ne case 2.0 (3) 2.0	2.4 (5) but less than 2.0 (3)	3.0 (1) ten and 3	2.3 (4) = more that 2.0 (2)	3.0 (2) an 10 cases 3.0 (1)
Dairy: 3 Swellendam Dairy: 2 Poor cond PROVINCE  Average  Level of imporeported  Beef  Dairy  Sheep  Mpumalang Balfour, Balbeef: 1 Middelburg	A, Swellendam Ception Mpumalanga  1.3 (3)  Dirtance scale: 1  1.3 (3)	Gauteng  = one case	pitaal Limpopo	West	2.0 (4) ne case 2.0 (3) 2.0	2.4 (5) but less than 2.0 (3)	3.0 (1) ten and 3	2.3 (4) = more that 2.0 (2)	3.0 (2) an 10 cases 3.0 (1)
Dairy: 3 Swellendam Dairy: 2 Poor cond PROVINCE  Average  Level of imporeported  Beef  Dairy  Sheep  Mpumalang Balfour, Balbeef: 1 Middelburg Beef: 1	A, Swellendam  Ception  Mpumalanga  1.3 (3)  Ortance scale: 1  1.3 (3)  a  four Dierekling , Middelburg I	Gauteng  = one case iek Dierehospi	pitaal Limpopo e, 2 = more	west e than or	2.0 (4) ne case 2.0 (3) 2.0	2.4 (5) but less than 2.0 (3)	3.0 (1) ten and 3	2.3 (4) = more that 2.0 (2)	3.0 (2) an 10 cases 3.0 (1)
Dairy: 3 Swellendam Dairy: 2 Poor cond PROVINCE  Average  Level of imporeported  Beef  Dairy  Sheep  Mpumalang Balfour, Balbeef: 1 Middelburg Beef: 1	n, Swellendam  ception  Mpumalanga  1.3 (3)  ortance scale: 1  1.3 (3)	Gauteng  = one case iek Dierehospi	pitaal Limpopo e, 2 = more	west e than or	2.0 (4) ne case 2.0 (3) 2.0	2.4 (5) but less than 2.0 (3)	3.0 (1) ten and 3	2.3 (4) = more that 2.0 (2)	3.0 (2) an 10 cases 3.0 (1)

Free State								
	ocolan Dierek	liniek						
Dairy: 2								
	Harrismith Di	erenospitaal						
Beef: 3	Vroonstad Dis							
Beef: 1	Kroonstad Die	renospitaai						
	nol Votorinary	Clinic						
Beef: 2	nel Veterinary	Cillic						
Kwazulu-Na	ntal							
	dumeni Herd l	nealth						
Beef: 2								
	tcourt Vet Clir	nic						
Dairy: 3								
	wick Veterina	y Clinic						
Beef: 2, Dairy	/: 3							
<b>Pietermarit</b>	zburg, Richmo	nd Veterinary Clinic	С					
Beef: 2								
	on of beef herd							
Eastern Cap								
	(EC), Steynsb	urg Dierehospitaal						
Sheep: 3								
Western Ca								
	est, Beaufort \	West State Vet						
Sheep: 3		00/		0/				
		rom 0% to average ar	ouna 40	% pregi	nancy rates.			
	(WC), Heidelb	erg Dierekliniek						
Dairy: 2	, Malmachum	Dierehospitaal						
Dairy: 2	y, Mailliesbury	Dierenospitaai						
	Vredenhura	Dierehospitaal						
Sheep: 2	, vieuenburg	Dierenospitaai						
•	centage of twins							
Northern Ca								
	Aar Veterinary	Clinic						
Sheep: 3								
	ates seen at sca	nning 4-96%						
	u Dierekliniek							
Beef: 3								
	. 6							
Retained	afterbirth							
						_		
<b>PROVINCE</b>	Mpumalanga	<b>Gauteng Limpopo</b>	North		Kwazulu-		Western	Northern
			West	State	Natal	Cape	Cape	Cape
				4.0				
Average	1.0(3)		1.5	1.0	3.0(1)	2.0(1)	1.8 (4)	
71101490	1.0 (3)		(2)	(1)	3.0 (1)	2.0 (1)	1.0 (1)	
	ortance scale: 1	= one case, 2 = more	e than or	ne case	but less than	ten and 3	= more tha	n 10 cases
reported								
			1.5	1.0				
Beef	1.0 (2)		(2)	(1)		2.0 (1)	1.0 (1)	
			(2)	(1)	0.0 (1)		0.0.(0)	
Dairy					3.0 (1)		2.0 (3)	
Goat	1.0(1)							
Mpumalang								
	four Diereklin	iek						
Beef: 1, Goat								

		-							
	hal Diereklinie	k							
Beef: 1									
North West			_						
	Christiana Die	rehospita	al						
Beef: 2									
	g, Dr CM Kruge	r-Rall							
Beef: 1									
Free State									
<b>Bloemfonte</b>	in, Dr Stephan	Wessels							
Beef: 1									
Kwazulu-Na	atal								
Howick, Ho	wick Veterinar	y Clinic							
Dairy: 3									
Eastern Cap	е								
Middelburg	(EC), Steynsb	urg Dierel	hospitaal						
Beef: 2			<u> </u>						
Western Ca	ре								
	iledon Dierekli	niek							
Beef: 1									
Malmesbury	y, Bergzight Di	erehospit	aal						
Dairy: 1									
	y, Malmesbury	Dierehos	pitaal						
Dairy: 3	.,,								
	n, Swellendam	Dierehos	pitaal						
Dairy: 2	.,	210101105	produ.						
Dully! 2									
Sheath P	rolaps								
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)					1.0 (2)			
	1.0 (1) ortance scale: 1	= one case	e, 2 = more	e than or	ne case		ten and 3	= more tha	n 10 cases
Level of impo	ortance scale: 1	= one case	e, 2 = more	e than or	ne case	but less than	ten and 3	= more tha	n 10 cases
Level of imporeported  Beef	ortance scale: 1	= one case	e, 2 = more	e than or	ne case		ten and 3	= more tha	n 10 cases
Level of impore reported  Beef  Mpumalang	ortance scale: 1			e than or	ne case	but less than	ten and 3	= more tha	n 10 cases
Level of imporeported  Beef  Mpumalang  Ermelo, Mo	ortance scale: 1			e than or	ne case	but less than	ten and 3	= more tha	n 10 cases
Level of imporeported  Beef Mpumalang Ermelo, Mod Beef: 1	ortance scale: 1  1.0 (1)  Ja  regloed Veteri			e than or	ne case	but less than	ten and 3	= more tha	n 10 cases
Level of impore reported  Beef  Mpumalang Ermelo, Mon Beef: 1 Kwazulu-Na	ortance scale: 1  1.0 (1)  Ja  regloed Veteri	nêre Spre		e than or	ne case	but less than	ten and 3	= more tha	n 10 cases
Level of imporeported  Beef  Mpumalang Ermelo, Mod Beef: 1 Kwazulu-Na Howick, Ho	ortance scale: 1  1.0 (1)  Ja  regloed Veteri	nêre Spre		e than or	ne case	but less than	ten and 3	= more tha	n 10 cases
Level of imporeported  Beef  Mpumalang Ermelo, Mod Beef: 1  Kwazulu-Na Howick, Ho Beef: 1	ortance scale: 1  1.0 (1)  Ja  regloed Veterinate  wick Veterinar	nêre Spre ry Clinic	ekkamer	e than or	ne case	but less than	ten and 3	= more tha	n 10 cases
Level of impore reported  Beef  Mpumalang Ermelo, Morabeef: 1  Kwazulu-Nathowick, Horabeef: 1  Mtubatuba,	ortance scale: 1  1.0 (1)  Ja  regloed Veteri	nêre Spre ry Clinic	ekkamer	e than or	ne case	but less than	ten and 3	= more tha	n 10 cases
Level of imporeported  Beef  Mpumalang Ermelo, Mod Beef: 1  Kwazulu-Na Howick, Ho Beef: 1	ortance scale: 1  1.0 (1)  Ja  regloed Veterinate  wick Veterinar	nêre Spre ry Clinic	ekkamer	e than or	ne case	but less than	ten and 3	= more tha	n 10 cases
Level of impore reported  Beef  Mpumalang Ermelo, Morabeef: 1  Kwazulu-Nathowick, Horabeef: 1  Mtubatuba,	1.0 (1)  Ia regloed Veterinatal wick Veterinar	nêre Spre ry Clinic	ekkamer	e than or	ne case	but less than	ten and 3	= more tha	n 10 cases
Level of imporeported  Beef  Mpumalang Ermelo, Mor Beef: 1  Kwazulu-Na Howick, Hor Beef: 1  Mtubatuba, Beef: 1  Uterus pr	1.0 (1)  Ia regloed Veterinatal wick Veterinar	nêre Spre ry Clinic nimal Clin	ekkamer	North West	Free	but less than	ten and 3  Eastern Cape	= more tha	n 10 cases  Northern Cape
Level of imporeported  Beef  Mpumalang Ermelo, Mor Beef: 1  Kwazulu-Na Howick, Hor Beef: 1  Mtubatuba, Beef: 1  Uterus pr	1.0 (1)  Ia regloed Veterinar  Mtubatuba Ar  rolaps	nêre Spre ry Clinic nimal Clin	ekkamer	North	Free	but less than  1.0 (2)  Kwazulu-	Eastern	Western	Northern
Level of imporeported  Beef Mpumalang Ermelo, Mod Beef: 1 Kwazulu-Na Howick, Ho Beef: 1 Mtubatuba, Beef: 1 Uterus pr PROVINCE Average	1.0 (1)  Ia regloed Veterinar  Mtubatuba Ar  rolaps	nêre Spre	ekkamer ic Limpopo	North	Free State  1.8 (8)	but less than  1.0 (2)  Kwazulu- Natal  2.0 (1)	Eastern Cape	Western Cape  1.0 (3)	Northern Cape
Level of imporeported  Beef Mpumalang Ermelo, Moi Beef: 1 Kwazulu-Na Howick, Ho Beef: 1 Mtubatuba, Beef: 1 Uterus pi  PROVINCE  Average  Level of impore	1.0 (1)  Ja  regloed Veterinar  Mtubatuba Ar  rolaps  Mpumalanga	nêre Spre	ekkamer ic Limpopo	North	Free State  1.8 (8)	but less than  1.0 (2)  Kwazulu- Natal  2.0 (1)	Eastern Cape	Western Cape  1.0 (3)	Northern Cape

Dairy						2.0 (1)		1.0 (1)	,
Sheep					2.0 (2)				
Free State									
	ocolan Dierek	liniek							
Beef: 2									
Beef: 1	o, Platkop Dier	екипіек							
	Harrismith Di	orohosnit:	ادد						
Beef: 2, Shee		erenospia	aaı						
	e, Hertzogville	Diereklin	iek						
Beef: 1	.,								
	gepoort Dierel	kliniek Ve	nnootskap	)					
Beef: 2, Shee	•								
Winburg, W Beef: 2	inburg Dierek	liniek							
Kwazulu-Na	atal								
	wick Veterina:	rv Clinic							
Dairy: 2		,							
Western Ca	ре								
	(WC), Heidelb	erg Diere	kliniek						
Dairy: 1									
	y, Bergzight Di	ierehospit	aal						
Beef: 1									
	n, Swellendam	Dierehos	pitaal						
Beef: 1									
Vaginal (	Cervical) pr	olaps							^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
PROVINCE  Average	Mpumalanga	<b>Gauteng</b> 1.0 (1)	Limpopo						
Average		1.0 (1)		West	1.7 (9)	1.5 (2)	Cape	<b>Cape</b> 1.5 (2)	Cape
Average  Level of impo	1.0 (2)	1.0 (1)		West	1.7 (9)	1.5 (2)	Cape	<b>Cape</b> 1.5 (2)	Cape
Average  Level of imporeported	1.0 (2) ortance scale: 1	1.0 (1)		West	1.7 (9) ne case	Natal  1.5 (2)  but less than	Cape	1.5 (2) = more tha	Cape
Average  Level of imporeported  Beef	1.0 (2) ortance scale: 1	1.0 (1) = one case		West	1.7 (9) ne case 1.6 (5) 1.8	Natal  1.5 (2)  but less than	Cape	1.5 (2) = more tha  1.0 (1)	Cape
Average  Level of impore reported  Beef  Sheep	1.0 (2)  ortance scale: 1  1.0 (1)  1.0 (1)	1.0 (1) = one case		West	1.7 (9) ne case 1.6 (5) 1.8	Natal  1.5 (2)  but less than	Cape	1.5 (2) = more tha  1.0 (1)	Cape
Average  Level of impore reported  Beef  Sheep  Goat  Mpumalang	1.0 (2)  ortance scale: 1  1.0 (1)  1.0 (1)	1.0 (1) = one case 1.0 (1)		West	1.7 (9) ne case 1.6 (5) 1.8	Natal  1.5 (2)  but less than	Cape	1.5 (2) = more tha  1.0 (1)	Cape
Average  Level of impore reported  Beef  Sheep  Goat  Mpumalang Grootvlei, G Beef: 1	1.0 (2)  ortance scale: 1  1.0 (1)  1.0 (1)  a  irootylei Diere	1.0 (1) = one case 1.0 (1) kliniek	e, 2 = more	West	1.7 (9) ne case 1.6 (5) 1.8	Natal  1.5 (2)  but less than	Cape	1.5 (2) = more tha  1.0 (1)	Cape
Average  Level of impore reported  Beef  Sheep  Goat  Mpumalang Grootvlei, Geef: 1  Volksrust, Company of the state of the	1.0 (2)  ortance scale: 1  1.0 (1)  1.0 (1)	1.0 (1) = one case 1.0 (1) kliniek	e, 2 = more	West	1.7 (9) ne case 1.6 (5) 1.8	Natal  1.5 (2)  but less than	Cape	1.5 (2) = more tha  1.0 (1)	Cape
Average  Level of impore reported  Beef  Sheep  Goat  Mpumalang Grootvlei, Geef: 1  Volksrust, Centre of the control of the co	1.0 (2)  ortance scale: 1  1.0 (1)  1.0 (1)  a  irootylei Diere	1.0 (1) = one case 1.0 (1) kliniek	e, 2 = more	West	1.7 (9) ne case 1.6 (5) 1.8	Natal  1.5 (2)  but less than	Cape	1.5 (2) = more tha  1.0 (1)	Cape
Average  Level of impore reported  Beef  Sheep  Goat  Mpumalang Grootvlei, Geef: 1  Volksrust, Ceef Goat: 1  Goat: 1  Gauteng	1.0 (2)  ortance scale: 1  1.0 (1)  1.0 (1)  a  Grootvlei Diere  Cape Cross Vol	1.0 (1) = one case  1.0 (1)  kliniek ksrust Die	e, 2 = more	West e than or	1.7 (9) ne case 1.6 (5) 1.8 (4)	1.5 (2) but less than 1.5 (2)	ten and 3	1.5 (2) = more tha  1.0 (1)	Cape
Average  Level of impore reported  Beef  Sheep  Goat  Mpumalang Grootvlei, Geef: 1  Volksrust, Centre of Goat: 1  Goat: 1  Gauteng Pretoria, Or	1.0 (2)  ortance scale: 1  1.0 (1)  1.0 (1)  a  irootylei Diere	1.0 (1) = one case  1.0 (1)  kliniek ksrust Die	e, 2 = more	West e than or	1.7 (9) ne case 1.6 (5) 1.8 (4)	1.5 (2) but less than 1.5 (2)	ten and 3	1.5 (2) = more tha  1.0 (1)	Cape
Average  Level of impore reported  Beef  Sheep  Goat  Mpumalang Grootvlei, Geef: 1  Volksrust, Centre of Goat: 1  Goat: 1  Gauteng Pretoria, Or Sheep: 1	1.0 (2)  ortance scale: 1  1.0 (1)  1.0 (1)  a  Grootvlei Diere  Cape Cross Vol	1.0 (1) = one case  1.0 (1)  kliniek ksrust Die	e, 2 = more	West e than or	1.7 (9) ne case 1.6 (5) 1.8 (4)	1.5 (2) but less than 1.5 (2)	ten and 3	1.5 (2) = more tha  1.0 (1)	Cape
Average  Level of impore reported  Beef  Sheep  Goat  Mpumalang Grootvlei, Geef: 1  Volksrust, Centre of Goat: 1  Goat: 1  Gauteng Pretoria, Or Sheep: 1  Free State	1.0 (2)  ortance scale: 1  1.0 (1)  1.0 (1)  a  Grootvlei Diere  Cape Cross Vol  nderstepoort A	1.0 (1)  = one case  1.0 (1)  kliniek  ksrust Die	e, 2 = more	West e than or	1.7 (9) ne case 1.6 (5) 1.8 (4)	1.5 (2) but less than 1.5 (2)	ten and 3	1.5 (2) = more tha  1.0 (1)	Cape
Average  Level of impore reported  Beef  Sheep  Goat  Mpumalang Grootvlei, Geef: 1  Volksrust, Centre of Goat: 1  Goat: 1  Gauteng Pretoria, Or Sheep: 1  Free State	1.0 (2)  ortance scale: 1  1.0 (1)  1.0 (1)  a  Grootvlei Diere  Cape Cross Vol  derstepoort A  Harrismith Die	1.0 (1)  = one case  1.0 (1)  kliniek  ksrust Die	e, 2 = more	West e than or	1.7 (9) ne case 1.6 (5) 1.8 (4)	1.5 (2) but less than 1.5 (2)	ten and 3	1.5 (2) = more tha  1.0 (1)	Cape
Average  Level of impore reported  Beef  Sheep  Goat  Mpumalang Grootvlei, Goef: 1  Volksrust, Cooat: 1  Gauteng Pretoria, Or Sheep: 1  Free State Harrismith, Beef: 2, Sheef	1.0 (2)  ortance scale: 1  1.0 (1)  1.0 (1)  a  Grootvlei Diere  Cape Cross Vol  derstepoort A  Harrismith Die	1.0 (1)  = one case  1.0 (1)  kliniek ksrust Die	e, 2 = more	West e than or	1.7 (9) ne case 1.6 (5) 1.8 (4)	1.5 (2) but less than 1.5 (2)	ten and 3	1.5 (2) = more tha  1.0 (1)	Cape
Average  Level of impore reported  Beef  Sheep  Goat  Mpumalang Grootvlei, Goat: 1  Volksrust, Coat: 1  Goat: 1  Gauteng Pretoria, Or Sheep: 1  Free State Harrismith, Beef: 2, Sheep Memel, Mer Sheep: 2	1.0 (2)  ortance scale: 1  1.0 (1)  1.0 (1)  a  frootylei Diere  Cape Cross Vol  derstepoort A  Harrismith Diep: 2	1.0 (1)  = one case  1.0 (1)  kliniek ksrust Die cademic leerehospita	e, 2 = more	West e than or	1.7 (9) ne case 1.6 (5) 1.8 (4)	1.5 (2) but less than 1.5 (2)	ten and 3	1.5 (2) = more tha  1.0 (1)	Cape

Beef: 1									
	gepoort Dierel	diniek Ve	nnootskap	)					
Beef: 2, Shee									
	shoek Dierepr	aktyk							
Beef: 1									
	n, Wesselsbro	n Dierekli	niek						
Sheep: 1									
	inburg Dierek	liniek							
Beef: 2									
Kwazulu-Na									
Dundee, En	dumeni Herd l	nealth							
Beef: 1									
•	wick Veterinaı	y Clinic							
Beef: 2									
Western Ca	•								
	y, Bergzight Di	erehospit	aal						
Sheep: 2									
	n, Swellendam	Dierehos	pitaal						
Beef: 1									
Climatic	al Cause								
Cold exp	osure								^
					ll e				
DDOV/TNGE	M	C		North	Free	Kwazulu-	Eastern	Western	Northern
PROVINCE	Mpumalanga	Gauteng	Limpopo	West	State	Natal	Cape	Cape	Cape
					2.0				
Average	3.0 (1)								
					(1)				
Lovel of imp	ortance scale: 1	- one cas	2 - more	than or	20, 6260	but loce than	ton and 2	- more tha	n 10 cacac
reported	ortance scale. 1	- Une case	z, Z – IIIOI e	tilali oi	ie case	but iess triair	ten and 5	- more una	iii 10 Cases
reported									
Sheep	3.0(1)				2.0				
энсер	3.0 (1)				(1)				
Mpumalang	а								
	Cape Cross Vol	ksrust Die	erehospita	al					
Sheep: 3	ре с. осо то.		cc. p	· <del>···</del>					
	m twins died in v	eld durina	cold front	and rain					
Free State		<b>J</b>							
Vrede, Vred	e Dierehospita	al							
Sheep: 2									
Drought									^
				1					
DROVINCE	Mpumalanga	Coutona	Limnono	North	Free	Kwazulu-	Eastern	Western	Northern
PROVINCE	Mpullialaliga	Gauteng	Lillipopo	West	State	Natal	Cape	Cape	Cape
Average							20(1)	3.0 (3)	
							= (-)		
Level of impo	ortance scale: 1	= one case	e. 2 = more	e than or	ne case	but less than	ten and 3	= more tha	n 10 cases
reported			-,						
•							2.0 (1)	2.0.(2)	
Sheep							2.0 (1)	3.0 (3)	
Eastern Cap									
	Witelsbos Vete	rinary Co	nsulting R	cooms					
Sheep: 2									
Western Ca		Noot Circ	- V-+						
beautort W	est, Beaufort \	west State	e vet						

Choose 2									
Sheep: 3	athe								
Reports of de		Diaraldi'	alz.						
	,, Groenkloof	Dierekiini	ек						
Sheep: 3	\/II	<b>D'</b>							
	, Vredenburg	Dierenosp	oitaai						
Sheep: 3									
Heat stre	ss								_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average								3.0 (1)	
Level of impore	ortance scale: 1	= one case	e, 2 = more	than or	ne case l	but less than	ten and 3	= more tha	n 10 cases
Dairy								3.0(1)	
•								3.0 (1)	<u> </u>
Western Cap									
	,, Dr Otto Krie	K							
Dairy: 3									
Lightning									-
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northeri Cape
Average	1.5 (4)			3.0 (1)	1.9 (8)	2.0 (1)	1.7 (3)		
Level of impore	ortance scale: 1	= one case	e, 2 = more	than or	ne case l	but less than	ten and 3	= more tha	n 10 cases
Beef	1.5 (4)			3.0 (1)	1.9 (8)	2.0 (1)	1.7 (3)		
Mpumalang	а								
	- four Diereklin	iek							
Beef: 1									
Ermelo, Mor	regloed Veteri	nêre Spre	ekkamer						
Beef: 1									
	Pets Vet Hosp	ital							
Beef: 2				_					
	Cape Cross Vol	ksrust Die	erehospita	al					
KAAt' /									
North West									
North West Stella, Stella	a Dierekliniek								
North West Stella, Stella Beef: 3	a Dierekliniek								
North West Stella, Stella Beef: 3 Eight cattle di	a Dierekliniek								
North West Stella, Stella Beef: 3 Eight cattle di Free State	a <b>Dierekliniek</b> ied								
North West Stella, Stella Beef: 3 Eight cattle di Free State Bloemfontei	a Dierekliniek								
North West Stella, Stella Beef: 3 Eight cattle di Free State Bloemfontei Beef: 1	a Dierekliniek ied in, Dr Stephan	ı Wessels							
North West Stella, Stella Beef: 3 Eight cattle di Free State Bloemfontei Beef: 1 Clocolan, Clo	a <b>Dierekliniek</b> ied	ı Wessels							
North West Stella, Stella Beef: 3 Eight cattle di Free State Bloemfontei Beef: 1 Clocolan, Clo Beef: 3	a Dierekliniek ied in, Dr Stephar ocolan Dierek	n Wessels liniek							
Beef: 3 Eight cattle di Free State Bloemfontei Beef: 1 Clocolan, Clo Beef: 3 Dewetsdorp	a Dierekliniek ied in, Dr Stephan	n Wessels liniek							
North West Stella, Stella Beef: 3 Eight cattle di Free State Bloemfontei Beef: 1 Clocolan, Clo Beef: 3 Dewetsdorp Beef: 2	a Dierekliniek ied in, Dr Stephan ocolan Dierek o, Platkop Dier	n Wessels liniek rekliniek							
North West Stella, Stella Beef: 3 Eight cattle di Free State Bloemfontei Beef: 1 Clocolan, Clo Beef: 3 Dewetsdorp Beef: 2 Memel, Men	a Dierekliniek ied in, Dr Stephar ocolan Dierek	n Wessels liniek rekliniek							
North West Stella, Stella Beef: 3 Eight cattle di Free State Bloemfontei Beef: 1 Clocolan, Clo Beef: 3 Dewetsdorp Beef: 2 Memel, Men Beef: 2	a Dierekliniek ied in, Dr Stephan ocolan Dierek o, Platkop Dier	n Wessels liniek rekliniek r Clinic							

Vrede Vred	e Dierehospita	aal							
Beef: 2	e Dierenospite	aa 1							
	n, Wesselsbro	n Dierekli	niek						
Beef: 1	, 11035013510	II DICICKII	····Cix						
	inburg Dierek	liniek							
Beef: 2	induig Dicick	iiiick							
Kwazulu-Na	atal								
	dumeni Herd l	nealth							
Beef: 2									
Eastern Cap	e e								
	Alexandria Pla	atteland S	preekkan	ner					
Beef: 2									
Aliwal Nort	h, Hertzogbrug	g Diereklii	niek						
Beef: 2									
Queenstow	n, Queenstowi	n Veterina	ry clinic						
Beef: 1									
Non spe	cific diseas	es							
Cause of	death not e	stablish	ed						^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average						2.0 (1)			
Level of impore	ortance scale: 1	= one case	e, 2 = more	e than or	ne case	but less than	ten and 3	= more tha	n 10 cases
Beef						2.0(1)			
Kwazulu-Na	atal						<u>.</u>		
Bergville, B	ergville Veteri	narv Clini	C						
Beef: 2									
<b>Preditors</b>									_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.6			1.0 (1)	
Average					(5)			1.0 (1)	
Level of impore	ortance scale: 1	= one case	e, 2 = more	e than or	ne case	but less than	ten and 3	= more tha	n 10 cases
Beef					2.0 (2)			1.0 (1)	
Sheep					3.0 (3)				
Free State									
Clocolan, Cl	ocolan Dierek	liniek							
Beef: 2, Shee									
	Harrismith Die	erehospita	aal						
Beef: 2, Shee									
	gepoort Dierel	kliniek Ve	nnootskap	)					
Sheep: 3									
Western Ca									
Challeri	h, Stellenbosc	h Animal	Hosnital						

Sabotatio	on - Theft								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.6 (8)	3.0 (1)	2.0 (1)		
Level of imported	ortance scale: 1	= one case	e, 2 = more	than or	ne case l	out less than	ten and 3	= more tha	n 10 cases
Beef					2.5 (4)	3.0 (1)	2.0 (1)		
Dairy					2.0 (1)				
Sheep					3.0 (3)				
Free State	locolan Dierek								
Beef: 2, Shee Winburg, W Beef: 2 Kwazulu-Na Estcourt, Es Beef: 3 Eastern Cap Alexandria, Beef: 2 Trauma - sto	gepoort Dierel ep: 3 linburg Dierek etal etcourt Vet Clin ee Alexandria Pla	liniek nic atteland S	preekkam		Free	Kwazulu-	Eastern	Western	Northern
Villiers, Wil Beef: 2, Shee Winburg, W Beef: 2 Kwazulu-Na Estcourt, Es Beef: 3 Eastern Cap Alexandria, Beef: 2 Trauma - sto Trauma PROVINCE	gepoort Dierel ep: 3 linburg Dierek etal etcourt Vet Clin ee Alexandria Pla ck theft  Mpumalanga	liniek nic atteland S	preekkam	ner	Free	Natal	Eastern Cape	Western Cape	Northern Cape
Villiers, Wil Beef: 2, Shee Winburg, W Beef: 2 Kwazulu-Na Estcourt, Es Beef: 3 Eastern Cap Alexandria, Beef: 2 Trauma - sto Trauma  PROVINCE Average	gepoort Dierel ep: 3 /inburg Dierek etal etcourt Vet Clin oe Alexandria Pla ck theft  Mpumalanga  1.0 (1)	liniek nic atteland S Gauteng 1.5 (4)	preekkam Limpopo	North West	State	<b>Natal</b> 3.0 (1)	Cape	Cape	Cape
Villiers, Wil Beef: 2, Shee Winburg, W Beef: 2 Kwazulu-Na Estcourt, Es Beef: 3 Eastern Cap Alexandria, Beef: 2 Trauma - sto Trauma  PROVINCE Average	gepoort Dierel ep: 3 linburg Dierek etal etcourt Vet Clin ee Alexandria Pla ck theft  Mpumalanga	Gauteng  1.5 (4)  = one case	preekkam Limpopo	North West	State	3.0 (1) out less than	Cape	Cape	Cape
Villiers, Wil Beef: 2, Shee Winburg, W Beef: 2 Kwazulu-Na Estcourt, Es Beef: 3 Eastern Cap Alexandria, Beef: 2 Trauma - sto Trauma  PROVINCE  Average  Level of imp	gepoort Dierel ep: 3 /inburg Dierek etal etcourt Vet Clin oe Alexandria Pla ck theft  Mpumalanga  1.0 (1)	liniek nic atteland S Gauteng 1.5 (4)	preekkam Limpopo	North West	State	<b>Natal</b> 3.0 (1)	Cape	Cape	Cape
Villiers, Wil Beef: 2, Shee Winburg, W Beef: 2 Kwazulu-Na Estcourt, Es Beef: 3 Eastern Cap Alexandria, Beef: 2 Trauma - sto Trauma  PROVINCE  Average  Level of impreported	gepoort Dierel ep: 3 /inburg Dierek  atal stcourt Vet Clin  be Alexandria Pla  ck theft  Mpumalanga  1.0 (1)  ortance scale: 1  1.0 (1)	Gauteng  1.5 (4)  = one case	preekkam Limpopo	North West	State	3.0 (1) out less than	Cape	Cape	Cape

Broken leg
Hammanskraal, Themba Animal Clinic
Beef: 2
Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic
Beef: 1
Fractures
Kwazulu-Natal
Bergville, Bergville Veterinary Clinic