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

July 2018

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

These reports include data from individual practices

Click on Disease Reports

The following practices and laboratories (109) submitted reports during July 2018:

Mpumalanga (12)

Balfour – Dr. Louis van Jaarsveld

Bethal – Dr. Hardus Pieters

Ermelo – Dr. Ben Potgieter

Grootvlei – Dr. Neels van Wyk

Karino – Dr. Silke Pfitzer

Lydenburg – Drs. Trümpelmann and Steyn

Middelburg – Drs. Erasmus, Malan and Bernitz

Nelspruit - Dr. André Beytel

Nelspruit – Wildlife vets

Piet Retief - Drs. Niebuhr and Weber

Standerton - Dr. Kobie Kroon

Volksrust – Dr. Johan Blaauw

Gauteng (7)

Bronkhorstspruit - Dr. De Bruin, De Bruin and Labuschagne

Hammanskraal – Dr. Hentie Engelbrecht

Magaliesburg - Dr. Ryan Jeffery

Muldersdrift – Dr. Clare Speedy and Enslin

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 (5)

Mokopane (Potgietersrust)- Dr. Henk Visser

Mokopane - Dr. Alwyn Venter (CCS)

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

Tzaneen – ZZ2 Farm practice

Vaalwater – Dr. Hampie van Staden

North West (8)

Brits - Dr. Boshoff and Coertze

Christiana - Dr. Pieter Nel

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

Klerksdorp – Drs. Coetzee and Venter

Leeudoringstad - Dr. Ian Jonker

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

Stella - Dr. Magdaleen Vosser

Ventersdorp/ Koster – Drs. Benadé and Van der Merwe

Free State (19)

Clocolan – Drs. Wasserman and Basson

Dewetsdorp – Dr. Marike Badenhorst

Excelsior/Ladybrand – Drs. Dedré Nel and De Vos

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

Memel – Drs. Nixon and Nixon

Parys – Drs. Wessels and Wessels

Philippolis – Dr. Stephan van Niekerk

Reitz - Dr. Murray Smith

Smithfield – Dr. Nienke van Hasselt

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 (10)

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

Pietermaritzburg – Dr. Phillip Kretzmann

Pongola – Dr. Heinz Kohrs

Underberg - Drs. Collins, King and Delaney

Vryheid – Drs. Theron and Theron

Eastern Cape (13)

Alexandria - Dr. Johan Olivier

Alexandria – Riverview Trading Vet

Aliwal North – Drs. Troskie and Strauss

Bathurst - Dr. Jane Pistorius

Cofimvaba – State Veterinarian

Cradock - Dr. Frans Erasmus

Graaff- Reinet - Dr. Roland Larson

Humansdorp - Drs. Van Niekerk, Jansen Van Vuuren and Davis

Jeffreys Bay - Drs. Lategan, Hoek and McFarlane

Kareedouw - Dr. Marten Bootsma

Somerset East – Drs. Farrel, Louw and Ross

Uitenhage – Drs. Mulder and Krüger

Witelsbos – Dr. Elmien Kotze

Western Cape (20)

Beaufort West - Dr. Jaco Pienaar

Beaufort West - Dr. Bennie Grobler

Caledon – Drs. Retief, Coetzer and Janssen

Caledon – Drs. Louw and Viljoen

Ceres – Drs. Pieterse, Wium, De Villiers and Scheepers

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

Piketberg – Dr. André van der Merwe

Plettenberg Bay – Dr. André Reitz

Riversdale – Drs. Du Plessis, Taylor and De Bruyn

Swellendam – Dr. Jacques Malan

Tulbagh – Drs. Hamman, Wilson and Triegaardt

Vredenburg – Dr. Izak Rust

Wellington – Dr. William van Zyl

Worcester- Dr. Kobus Rabe

Northern Cape (8)

Calvinia - Dr. Bertus Nel

Colesberg – Drs. Rous and Rous

De Aar – Dr. Donald Anderson

Kathu - Dr. Jan Vorster

Kimberley – Dr. Joseph van Heerden

Kuruman – Dr. Gerhard van der Westhuizen

Postmasburg – Dr. Boeta van der Merwe

Upington – Drs. Vorster and Visser

Feedlots (2)

Drs. Morris and Du Preez

Dr. Andy Hentzen

Laboratory reports (5)

Dr. Marijke Henton - Vetdiagnostix, Johannesburg

Dr. Liza du Plessis – Idexx SA - Johannesburg

Dr. Last – Vetdiagnostix, Pietermaritzburg

Dr. Sophette Gers - Pathcare, Cape Town

Queenstown Provincial Laboratory

<u>Summary</u>

This month the focus is on zoonosis

A book on zoonotic diseases has recently been published: Animal diseases and man ZOONOSIS written by Drs. Jan H du Preez and Gert P du Preez, ISBN: 978-0-620-78375-0. To order a copy contact Dr. Jan du Preez at drjanh.dupreez@gmail.com

The following is quoted from the book:

"A zoonosis is any disease or infection naturally transmissible from vertebrate animals to humans and *vice versa*. Humans are often an incidental host that acquire disease through close contact with an infected animal that may or may not be symptomatic.

More than 200 zoonoses of various types are recognised worldwide. They can be caused by a range of disease-causing agents such as viruses, bacteria and many more. Of 1 415 disease-causing agents known to infect humans, 61% are zoonotic. Statistical data indicate that 15% or more of the human population will pick up a zoonotic infection at some stage of their lives.

Zoonosis can be prevented and controlled through the necessary knowledge and information. There is no reason to fear animals or avoid them to protect oneself from zoonosis, and this book, the result of collaboration between experts in veterinary and human medicine, presents the message very clearly: continue to enjoy your relationships with companion and other animals, the pleasure of watching and interacting with wildlife, fishing, working with animals and eating whatever your favourite food may be, as long as you are aware of possible risks. Take the appropriate hygienic precautions in terms of their health and yours to avoid infection.

Visit: www.zoonosis.co.za; info@zoonosis.co.za

Disease outbreaks present a global one health challenge

Lesley van Helden, State Veterinarian Epidemiology, Veterinary Services, Western Cape Department of Agriculture

The International One Health Congress takes place every second year and aims to bring together academics and policy makers in the fields of human, animal and environmental health to address challenges which exist at the intersection of these fields. This year, I attended the fifth congress, which was held in the Canadian city of Saskatoon and addressed several important topics. One which emerged as a common issue globally was the threat of disease outbreaks.

Zoonotic diseases represent the biggest potential risk of causing the next global pandemic. However, they are currently the cause of approximately a billion cases of illness and a million deaths each year. This represents a chronic burden in terms of health, welfare and economic prosperity in areas where these diseases are endemic. Strategies when dealing with disease outbreaks must therefore be structured to respond to current problems as well as to anticipate future issues. This can be achieved using an approach that places equal emphasis on the aspects of outbreak prevention, preparedness and response.

Preventing emergence of new diseases is the first aspect that needs to be tackled in prevention of epidemics. Using the same principle as capture-recapture to estimate animal populations, the Global Virome Project has estimated that there are 1.67 million unique viruses yet to be discovered in bird and animal populations worldwide, some of which may have the potential to infect multiple species. As susceptible new hosts are increasingly exposed to a novel pathogen, there is more opportunity for that pathogen to adapt to cause disease in that species. Once the disease is established in a species that has frequent contact with humans, this process can be repeated, increasing the chances of the pathogen adapting to infect people. When human health is directly affected by an outbreak of a zoonotic disease, the costs of disease control and dealing with the impact of the pathogen increase rapidly (fig 1). Studies have shown that risk factors for disease emergence are the same as drivers of biodiversity loss i.e. changes in land use and the food production industry. Protecting biodiversity is therefore important for preventing disease epidemics, but this is a challenge as many places with high biodiversity experience frequent conflict and natural disasters, leading to weak public health and environmental protection systems. A study presented from Cote d'Ivoire provided an example of how land use change from primary forest to agricultural land for growing crops drives emergence of disease. The species diversity and behaviour of

Aedes mosquitoes in and around forests was compared. Mosquito diversity was much lower outside the forest, with Aedes aegypti being the predominant species found outside the forest. Furthermore, mosquitoes outside the forest were far more likely to bite people because they had adapted to do so in the absence of other hosts. Aedes aegypti is known for being an effective vector of diseases to humans, including yellow fever, dengue fever, chikungunya and Zika virus. The risk of contracting an arbovirus was therefore higher for people outside the forest than in it.

Once a disease has become capable of infecting a population of animals or people, outbreaks can be prevented by breaking the cycle of transmission. To achieve this, ensuring availability of and access to clean water and good sanitation is of paramount importance. In agricultural settings, excellent biosecurity should be practiced in accordance with good farming practices. Vaccination is also a very valuable tool. A study by the One Health Institute at the University of California, Davis that produced a model forecasting spread of influenza viruses in Rwanda showed that vaccination of main population centres hugely decreases the risk of nationwide viral disease outbreaks, no matter where the virus initially enters the country. However, vaccine usage challenges exist worldwide, including accessibility, storage (especially where the cold chain cannot be maintained) and the anti-vaxxer movement.

Because it is impossible to prevent all disease outbreaks, **preparedness** is as important as prevention. Disease outbreaks should be planned for with the assumption that they will happen, rather than the idea that they may or may not happen. Every country and region should have contingency plans detailing actions to be taken in the event of a disease outbreak, and these plans should be tested and updated frequently by performing outbreak simulation exercises.

Unfortunately, the benefit of prevention and preparedness activities is usually not directly measureable, meaning that most countries struggle to secure funding for these purposes, instead receiving additional government funding for crisis reaction only after a disaster has occurred.

Regardless, response to disease outbreaks is an area of vital importance and one in which there are the most initiatives to making one health operational. Disease outbreaks represent a threat not only to health, but disrupt economic and social systems and can have catastrophic effects on food safety and security, community structures, economic opportunities and education. When disease outbreaks occur in resource-poor communities, the cycle of poverty is aggravated.

Outbreak response must therefore aim to tackle not only the control of the disease itself, but the negative effects caused by the disease to reduce the impact of the outbreak. For instance, the effect of disease outbreaks on travel, tourism and trade is often much more severe than the direct losses caused by the disease. For instance, when H1N1 influenza (also known as swine flu) emerged in Mexico, the number of tourists visiting the country dropped by one million over the following year, resulting in a loss of \$1.2 billion to the tourism industry. During the Rift Valley fever outbreak in South Africa in 2010 and 2011, wool production dropped by 2.2 million kg due to both direct stock losses and the resulting trade bans that were implemented by several countries.

It is therefore in the interest of all industries and communities to strengthen public health systems, including human, animal and environmental health, and those potentially affected by disease outbreaks

should be consulted during contingency planning and disease outbreak response.

References and further reading:

The World Bank has released a report detailing the role each sector of the economy can play in strengthening public health systems, available at http://documents.worldbank.org/curated/en/961101524657708673/One-health-operational-framework-for-strengthening-human-animal-and-environmental-public-health-systems-at-their-interface

The Fifth International One Health Congress:

https://onehealthplatform.com/international-one-health-congress

The Global Virome Project: http://www.globalviromeproject.org/

Zahouli et al., 2017 Effect of land-use changes on the abundance, distribution, and host-seeking behavior of *Aedes* arbovirus vectors in oil palm-dominated landscapes, southeastern Côte d'Ivoire. *PLOS ONE*. https://doi.org/10.1371/journal.pone.0189082

Thank you to all the presenters and colleagues at the Fifth International One Health Congress who shared their work and ideas incorporated in this article.

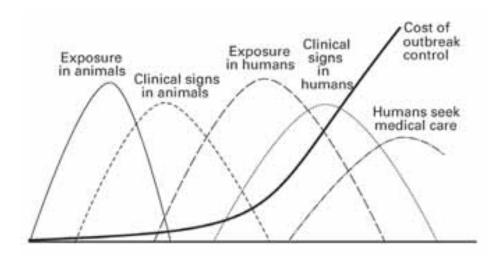


Figure 1: A hypothetical scenario in which a zoonotic pathogen is transmitted from animals to humans. Early intervention in outbreaks of zoonotic disease prevents both human cases and associated costs.

Source: World Bank 2012/ adapted from IOM (2009)

In May there had been an outbreak of Rift Valley Fever in the Jacobsdal area of the Free State. Be prepared for the next outbreak in your area!!

Rift Valley Fever is a zoonotic disease.

"The symptoms are suggestive of influenza, have a rapid onset and consist of rigors, fever, headache and pain in muscles, back and joints. Many people recover uneventfully but a variable percentage may develop more severe symptoms, the liver may be affected and the patient is inclined to haemorrhage. Several other symptoms may also followinfection, including involvement of the eyes." (J H du Preez, et al, 2017)

Farmers are advised to vaccinate their animals against Rift Valley Fever. Live vaccines can only be used in non-pregnant animals as the live vaccine can cause abortions.

Only dead inactivated vacines must be used in pregnant animals.

Please take care when vaccines are administered after outbreaks have been detected. Use a sterile needle for each animal as the virus can be spread between animals if the animals are in the incubation period. Animals in the incubation period will have a virus infection but will not show symptoms of the disease yet.

Bovine brucellosis control should continuously be on the mind of every cattle and game farmer!

Get involved in controlling Bovine Brucellosis – visit <u>www.nahf</u>, click on Information centre, click on Brucellosis.

Why should I test my cattle for brucellosis?

Brucellosis is a herd disease – this means if you even have a single infected animal, it affects the status of your whole herd! An infected cow will rapidly infect the rest of your herd if not identified and slaughtered before calving.

Brucellosis causes reproduction and production losses in affected herds, which decreases financial turnover.

Brucellosis is a misleading disease as abortions may not always occur, abortions are not always noticed and affected cattle may appear visibly healthy. Only through testing can brucellosis be confirmed.

The disease is a zoonosis which can infect you, your family and your workers. Infection may lead to chronic and debilitating disease.

If you have recently bought in animals from an auction or a herd with no proof that the herd of origin was recently tested for bovine brucellosis (CA3 declaration), you could have bought in positive or latently positive animal(s).

If neighbouring farms or farms you access for grazing are positive for brucellosis, your cattle could have contracted the disease.

If you do not know your status and you are farming with brucellosis unknowingly, you are contributing to the brucellosis risk of our national cattle herd.

Always be aware of all possible ways how your herd can be become infected with the bacteria, *Brucella abortus*.

Just one miss step may be the beginning of misery!

Remember this is a herd disease!

If one animal is tested positive, the herd is seen as positive until proved to be negative according to the brucellosis scheme!

Brucellosis is a State controlled disease.

Brucellosis is a zoonosis – a disease transmitted from animals to humans

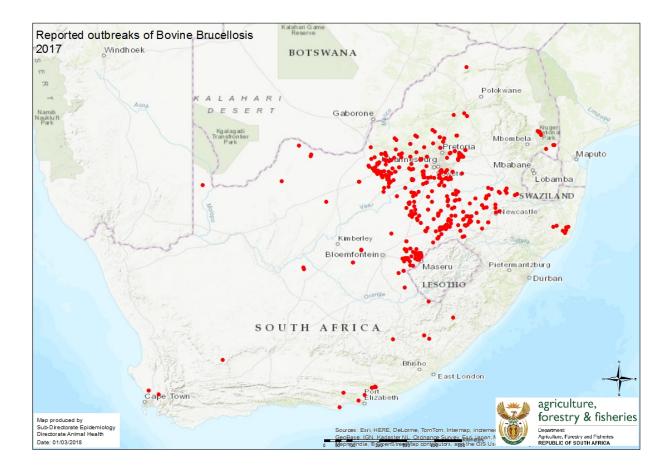
A check list has been drawn up to help you calculate what the risk is of bringing the *Brucella* bacteria onto your farm.

Below is a map of new outbreaks of bovine brucellosis as supplied by DAFF.

It should be emphasized that all cases of State controlled and notifiable diseases have to be reported to the State Veterinary services!

http://nahf.co.za/controlled-and-notifiable-diseases/

It is with great concern that animals that have aborted are sold at auctions without the herd and specific animals are tested for bovine brucellosis! Brucellosis is a herd disease.



SOP for the control of Bovine Brucellosis

Audit date:	
Authorised person:	

		Y/N	Comment
1	Fences and gates in good condition		
2	Gate control - log in		
3	Disinfection of vehicles coming onto the farm		
4	Protective clothing and boots given to people		
	visiting the farm (cattle area) coming from high		
	risk areas eg. veterinarians, nutritionists,		
	representatives, truck drivers, workers, etc.		
5	Sterilizing equipment coming in contact with cattle		
6	Run off water/ streams from neighbouring farms		
7	All animals identified with a brand mark and ear		
	tag		

8	Data base of all animals		
9	Closed herd		
10	When last were animals bought in or moved from		
	another farm?		
11	Only buy in animals from a farm which has a		
	recent negative tested brucellosis herd certificate		
12	Origin(s) of acquired cattle? Bought at an auction?		
13	Keep heifers separate from herd until they have		
	calved and tested negative for brucellosis		
14	Quarantine camp available		
15	Separate calving camps		
16	Were all heifers vaccinated between 4 and 8		
	months vaccinated with Strain 19 or RB51?		
17	Any cattle vaccinated with Strain 19 over 8 months	-	
	of age? History over last few years.		
18	Were there any abortions on the farm – samples		
	taken, diagnosis?		
19	All sexually mature cattle in herd tested for bovine		
	brucellosis (provide proof)		
20	Bovine brucellosis is a State controlled disease.		
	Positive cattle are branded with a C on the right		
	side of the neck.		
21	Isolation of infected animals & separate handling		
	facilities		
22	Prohibition of movement of animals off		
	quarantined property except under cover of a Red		
	cross permit for slaughter at an abattoir		
23	Prohibition of use and on-farm disposal of		
	unboiled, unpasteurised or unsterilised milk on		
24	quarantined property		
24	Disinfection of places where infection is a		
25	possibility.		
25	Neighbours/ recent buyers informed of infected herd status		
26	Fly, crow and predator control		
27	Destruction of afterbirths/abortions in a		
	responsible manner		
28	Beware of livestock, game interface		
20	Dewale of livestock, gaine litterface		

Below are short and longer versions on using vaccines to help control brucellosis. Please spread tis information as wide as possible.

Brucellosis

Play your part in the war on brucellosis – don't wait until it's too late; vaccinate!

Bovine brucellosis, caused by *Brucella abortus*, is reported across all 9 provinces of South Africa especially in the central and Highveld regions. Bovine Brucellosis mainly causes abortion in cattle and can infect most other mammals, including humans.

Brucellosis may occur in persons who are exposed to infected animals, particularly through aborted and normal fetal material of infected cows, and through the consumption of unpasteurised milk. Symptoms in infected persons include profuse sweating mostly during the night, fever, extreme tiredness, aches in bones and joints, especially the lower back, hip or knee joints.

All female cattle between the ages of 4-8 months have to be vaccinated against brucellosis with a registered product to help protect the national cattle herd.* Vaccination helps to decrease shedding of Brucella bacteria from infected animals — this helps to limit the spread of brucellosis within a herd and decreases the infection pressure. Always use vaccines according to the manufacturer's instructions. Contact your private veterinarian or state veterinary services for more information.

5 keys to controlling brucellosis:

Vaccination is one of the important tools used to control and prevent brucellosis. Vaccination of all heifers between 4-8 months is required. Do not vaccinate male cattle.

Know your status - test your cattle herd for brucellosis.

Only buy cattle from recently tested, brucellosis negative herds.

Don't share grazing with untested cattle and ensure that your fences are intact.

If you have brucellosis in your herd, follow the advice of your state veterinarian to get rid of the infection as quickly as possible (branding, separation, vaccination and slaughter). Delays in action against the disease will increase losses and prolong quarantine.

Let's all play our part to protect each other – our cattle's health, our own health and our livelihoods.

Play your part in the war on brucellosis

Don't wait until it's too late - vaccinate! To protect the national cattle herd, all female cattle between the ages of 4-8 months have to be vaccinated against brucellosis with a registered product.*

Vaccination strengthens immunity against brucellosis and decreases bacterial shedding.

S19 vaccine for cattle (Reg. No. G0101. Act 36/1947) or RB51 (Reg. No. G 3056. Act 36/1947) can be used. Always use vaccines according to the manufacturer's instructions. Contact your private veterinarian or local state veterinary services for more information.

Know your herd's status by testing. Know the status of herds that you buy or receive cattle from by requesting herd test results.

^{*}Brucellosis is a controlled disease under the Animal Diseases Act, 1984 (Act No 35 of 1984).

Let's all play our part to protect each other – our cattle's health, our own health and our livelihoods.

*Brucellosis is a controlled disease under the Animal Diseases Act, 1984 (Act No 35 of 1984).

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 http://nahf.co.za/stakeholders/

Provincial Animal Health Forums have their own site – click on **Provinces** http://nahf.co.za/provinces/

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

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

IMPORTANT MESSAGE

Animal welfare becomes more and more important!

Visit the website of the Livestock Welfare Coordinating Committee (www.lwcc.co.za)

Summary of disease report for June 2018

109 Reports from veterinary practices and laboratories were received (Mpumalanga (MP) 12; Gauteng (G) 7; Limpopo (L) 5; Northwest (NW) 8; Free State (FS) 19; KwaZulu-Natal (KZN) 10; Eastern Cape (EC) 13; Western Cape (WC) 20: Northern Cape (NC) 8; Feedlots (FL) 2 and Laboratories (Lab) 5).

For the detailed report and previous reports go to www.ruvasa.co.za 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	

Resistant roundworms	х	х	х					х	
Wireworm	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
Tapeworms	х		х		х	х			х
Liver fluke	х		х	х	х	х	х	х	
Conical fluke	х				х	х	х	х	
Cysticercosis (measles)	х							х	х
Schistosomiasis (bilharzia)									
Coccidiosis	х	х			х	х		х	
Cryptosporidiosis	х	х			Х	х	х	х	

Good rainfall occurred in many areas of the the winter rain fall area. Be aware of brown stomach worm infestation that may become a problem after the severe drought. 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

Wireworm infestations have been reported from 7 provinces. Most farmers think that wireworm is dormant in winter. Check animals for bottle jaw and anaemia. As temperatures rise, be aware of early outbreaks of wireworm infestations.

Cryptosporidiosis in combination with pathogenic *E. coli* is still causing huge problems for cattle, sheep and goat farmers. Young animals are extremely vulnerable. Biosecurity measures should be kept at a high level at all times. The immunity of ewes and cows should be kept at the highest level so that colostrum (passive immunity) could protect their offspring.

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								
Heartwater ticks	х	х	х	х		х	х		
Brown ear-ticks	х		х						
Bont-legged ticks	х			х	Х				х
Red-legged ticks	х			х	Х				х
Paralysis ticks					Х			х	х
Tampans									
Biting lice	х				Х	х			
Sucking lice					х			х	х
Itch mites						х			х
Sheep scab	х				Х			х	х
Mange mites	х	х		х	Х		х	х	
Nuisance flies	х				х	х			
Midges								х	
Mosquitoes									
Blowflies			х						
Screw-worm	х							х	
Gedoelstia (uitpeuloogsiekte)									

Nasal bot	х		х		х

Blue tick infestations were reported from all provinces. Blue ticks are able to transmit red water, anaplasmosis and lumpy skin disease.

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, fipronil. Actives registered only for controlling blue ticks are: macrocyclic lactones, fluazuron (acaracide growth regulator).

Discuss your tick control programme with your veterinarian as controlling ticks early in spring can prevent large infestations in the summer.

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	х		х	х	х	х	х	х	
Asiatic red water	х		х		х	х	х	х	
Anaplasmosis	х	х		х	х	х	х	х	х
Heartwater		х	х	х		х	х		
Lumpy skin disease		х			х	х	х		
Corridor disease									
Theileriosis									

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

Numerous mortalities were reported!

Anaplasmosis outbreaks were reported in 8 provinces.

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

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		
Ephemeral fever (Three day stiff sickness)	х					х			
Blue tongue							х		
Rift Valley Fever									
Wesselsbron									
Nagana						х			

Insect borne diseases have decreased dramatically after colder weather occurred in most parts of the country. Now is the time to vaccinate your animals against these diseases.

Have you vaccinated your animals vaccinated against Rift Valley Fever?

Plan now, with the assistance of your veterinarian, the vaccination programme during the winter months, to prevent outbreaks of diseases during the next rainy season.

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		х
Vibriosis				х	х		х		
Pizzle disease		х						х	х
Actinobacillus seminis									х

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	х	х
Botulism			х		х				
Pulpy kidney			х	х	х		х	х	х
Lamb dysentery		х			х		х	х	
Swelled head	х	х			х	х		х	
Red gut (cattle)					х	х	х	х	
Blood gut (sheep)	х			х					
Tetanus		х			х		х		х
Salmonellosis	х								

Bovine brucellosis	х		х	х	х	х			
Ovine brucellosis (Ram's disease)					х		х		x
Bovine tuberculosis									
Johne's				х				х	
Leptospirosis					х				
Listeriosis									
Pseudomonas									
Fusibacterium necrophorum								х	
Septicaemia						х		х	
E. coli	х	х		х	х	х	х	х	х
Enzootic abortion					х				х
Lumpy wool								х	
Uterine gangrene							х		х
Bovine dermatophilosis (Senkobo disease)						х			
Wooden tongue									
Lumpy jaw									

Multiclostridial vaccines should be used if blackquarter outbreaks still occur when only using a vaccine containing *Clostridium chauvoei*. Remember to give a booster vaccine when using an inactivate vaccine for the first time. Read the packet insert!! 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:
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

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.	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		
Sta	atement 8 and 9 apply only to already infected flocks, and such sheep can only be sold to ot	her inf	ected
flo	cks by law.		
Bu	yers should consult their veterinary advisor before any purchases.		
	· · · · · · · · · · · · · · · · · · ·		
_		_	
Sig	pnature Date		
_	Farm:	_	
NΑ	ME		
	District:	_	
	WNER OR AUTHORIZED PRESENTATIVE	_	













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	
Rabies (cattle)					х		х		
BVD	х	х					х	х	х
IBR	х					х	х		
BRSV									
PI3									
Maedi visna virus									
Rotavirus / Coronavirus								х	
Enzootic bovine leucosis (EBL)				х	х	х	х	х	
Sheep leucosis									
Jaagsiekte									
Orf	х	х	х	х	х	х	х	х	х
Warts	х	х		х	х	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.

Preventative vaccinations are the best way to protect animals against viruses and bacteria causing pneumonia.

Keep cattle and wildebeest well separated especially when wildebeest are under stress!

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)		х							

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									
Crotolaria									
Gifblaar		х							
Gousiekte									
Cestrum (ink berry)		х			Х		х		
Tulip	х			х	Х	х	х	х	
Cynanchum (bobbejaantou)							х	х	
Facial eczema								х	
Lantana	х		х			х			
Prussic acid									
Senecio					Х				
Cotula nigellifolia (stagger wood)									
Geeldikkop (duwweltjies) and dikoor									
Vermeersiekte	х	х			Х				х

				1	1	I	1
Hertia pallens (Nenta, krimpsiekte)							
Chrysocoma ciliata (bitterbos)							
Solanum incanum (maldronksiekte)							
Gomphocarpus (Asclepias) fruticosus							
(milkweed)							
Bracken fern							
January bush (Gnidia polycephalatus)							
Chinkerinchee							
Eucalyptus (bloekom) bark							
Kikuyu							
Ryegrass							
Ganskweek							
Paspalum staggers							
Phalaris aquaticum (Phalaris staggers)							
Photosensitivity (Turknael, Erodium						х	
moschatum)							
Photosensitivity (Stellenbosch)						х	
Lusern							
Mycotoxicosis							
Aflatoxin							
Diplodiosis	х		х				
Lupins				х			
Harpuisbos							
Syringa berries							
Acorn							

Cycad								
Kraalbos, Geelbos (Galenia africana)								
Radish								
Carrot poisoning								
Onion poisoning								
Bracken fern								
Pollen beetle (Astylus atromaculatus)								
Water contamination								
Nitrate								
Tannins							х	
Urea		х	х	х	х			
Salt								
Wet carcase syndrome								х
Snake bite							х	х
Moth cocoons (impaction)								
Blue green algae								
Copper			х					х
Selenium							х	
Zinc								
Fluoride								
Lead				х				
Paraquat								
Phosamine								
Aldicarb								
	<u> </u>			l	l	l	l	l

Organophosphate					
Zinc phosphide					
Pyrethroid					
Amitraz					
Levamisole					
Ivermectin					
Tilmicosin					
Bromoxynil nitrate					
Ionophor					
Monensin					х
Нуро					
Diazinon					
Chicken litter					

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

Do have activated charcoal on the farm as the antidote for tulip poisoning!

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 toxicities 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!

A few cases of Lantana-poisoning were reported.

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	х	х	
Protein	х			х			х	х	х
Phosphate				х			х		х
Calcium	х	х			х	х	х	х	

Nutritional deficiencies were reported. It is important that Ewes and cows receive sufficient supplementation so as to have optimal colostrum quality for their offspring!

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
Iodine							х		
Copper				х					
Zinc									
Selenium				х			х	х	
Magnesium									
Manganese									
Vitamin A				х				х	
Vitamin B 1						х		х	

There are antagonists such as calcium, iron and sulphur which hamper the uptake of micro-minerals. 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.

Selenium is a powerful anti-oxidant and necessary for immunity. Check the status of the herd.

Beware of fluoride poisoning as borehole water levels drop.

Supplement animals with vitamin A during winter and drought conditions.

Multifactorial diseases and other conditions

The following conditions were reported by practices in the provinces

MP	G	L	NW	FS	KZN	EC	wc	NC
х			х	х	х	х	х	х
х				х	х		х	
х	х		х	х	х	х	х	х
х				х			х	х
	х				х		х	х
				х		х	х	
				х	х	х	х	
х	х			х	х	х	х	х
х				х			х	
х				х	х	х	х	
х			х	х	х		х	х
				х	х	х	х	х
х	х	х	х	х	х	х	х	х
х	х		х	х	х	х	х	х
х	х		х	х	х	х	х	
х						х	х	
	х							
	x x x x x x x x	x x x x x x x x x x x x x x x x x x x	x x x x x x x x x x x x x x x x x x x	x x x x x x x x x x x x x x x x x x x	X X X X X X	X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X <td>X X</td> <td>X X</td>	X X	X X

Traumatic reticulo-pericarditis								х	
Trauma		х	х	х	х	х		х	х
Teeth wear									
Plastic bags (ingestion)									
Downer	х		х		х		х	х	х
Anaphylactic shock									х
Vestibular syndrome (middle ear infection)		х							

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

The cause of abortions should be established: brucellosis, enzootic abortion, Q-fever, leptospirosis, etc. The necessary preventative measures can then be taken.

Pneumonia and lameness (foot conditions) are wide spread.

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	х	х	х	х	х	х	х
Displaced abomasum					х	х	х	х	
Ketosis (Domsiekte)					х		х	х	
Milk fever					х	х		х	

Make sure that you adapt animals to feed containing concentrates as more and more cases of acidosis are reported when grazing animals on harvested maiz fields.

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
									ł

Dystocia (difficult births)	х	х		х	х	х	х	х	х
Endometritis							х	х	
Hydrops									
Metritis	х			х	х		х	х	х
Poor conception	х	х	х	х	х	х	х	х	х
Retained afterbirth	х			х	х	х	х	х	
Sheath prolaps	х				х	х	х		х
Uterine prolaps	х	х	х		х	х	х	х	
Vaginal prolaps	х	х	х	х	х	х	х	х	х
Penis injury									
Orchitis									

A poor conception rate on many farms is a huge issue. Visit your veterinarian to rectify this problem.

Environmental conditions

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

Be prepared when cold spells and snow fall are forecasted.

Other conditions

	MP	G	L	NW	FS	KZN	EC	WC	NC
Drug residues (milk, meat, liver, kidney etc)									
Preditors		х			х		х		
Theft		х			х	х			
Trauma (fractures etc)		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

Bathurst – Dr. Jane Pistorius
Cape Town – Sophette Gers
Cradock – Dr. Frans Erasmus
Kaapmuiden – Dr. Silke Pfitzer
Mokopane – Dr. Alwyn Venter (SV)
Piketberg – Dr. André van der Merwe
Tulbagh – Dr. Dirk Triegaardt
Vanderbijlpark – Dr. Kobus Kok

Game

Gauteng Pretoria Intestinal round worms – 2 Resistant round worms – 1 Blue ticks – 1 Brown ear ticks – 1 Abscesses - 1

North West Klerksdorp

Gasgangrene (harsslagsponssiekte) – Letchwes 10 died

KwaZulu-Natal
Bergville
Intestinal roundworms – 2
Diarrhoea – 2
Opthalmia – 2
Capture myopathy – 1 Eland

Monthly report on Livestock and Wildlife isolations for July 2018 from Vetdiagnostix – Microbiology Laboratory, supplied by dr. Marijke Henton

(henton@vetdx.co.za)

Bacteriology

During the cold spell in July, respiratory tract samples from cattle yielded *Pasteurella multocida* [10], *Mannheimia haemolytica* [4], *Histophilus somni* [5], *Mannheimia* species [2] and *Mycoplasma* [1]. *Histophilus somni* was also cultured from a case of bovine vesiculitis.

Mannheimia haemolytica was also isolated from respiratory tract infection [2] and septicaemia [1] in sheep. Respiratory tract disease in pigs yielded Pasteurella multocida [1], Streptococcus suis [2] and Actinobacillus pleuropneumoniae [1].

Enteritis in calves [15] yielded *E. coli*, and in two cases, *Cryptosporidium* in addition, lambs and kids with *E. coli* [4] only one case of *Cryptosporidium* in addition, and in pigs [3] of *E. coli* only.

Staphylococcus aureus and S. pseudintermedius caused skin infections in sheep. Trueperella pyogenes caused septicaemia in pigs.

Other bovine cases were *Salmonella* Dublin in calves, *Clostridium chauvoei* [2] and *C. novyi* [2], and mastitis associated with *Staphylococcus aureus*, *Pseudomonas aeruginosa*, *Streptococcus uberis* and *Pasteurella multocida*.

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

Condition	Comments and Specie			
Eye worm	B 2			
Tapeworms	01			
Liver fluke	В 3			
Parafilaria	B 2			
Cysticercosis (measles)	В 3			
Blue ticks	В 3			
Brown ear-tick	B 2			
Asiatic red water	B 2			
Anaplasmosis	B 1			
Lumpy skin disease	В 3			
Blackleg	B 1			
Swelled head	01			
Red gut	В 3			
Blood gut	03			
Salmonellosis	B 1			
FSE	02			
E . coli	B,O 3			
Cryptosporidisis	B 2, O 1			
Ringworm	В 3			
ВМС	B 1			
Warts	В 3			
Protein deficiency	B,O 3			

Energy deficiency	B,O 3
Phosphate deficiency	В 3
Zinc deficiency	В 3
Vitamin A deficiency	B 3, O 3
Dystocia	B 2
Abscesses	B 2, O 2
Eye infection	B 1, O 3
Lameness	B,O 3
Lungs	B,O 3
Navell ill	B 1
Diarrhoea	В 3, О 3
Cold, O 2	
Pericarditis	B 3, O 2
Traumatic pericarditis	B 1

Feedlot and farm reports received from Dr. Andy Hentzen for July 2018 (andyvet@mweb.co.za)

Condition	Comments and Specie
Tapeworms	В 3
Liver fluke worms	В 3
Conical fluke	B 1
Cysticercosis (measles)	B 2
Blue ticks	B 1
Red-legged ticks	B 2
African red water	B 1

Anaplasmosis	B 1
Red gut	В 3
Ringworm	В 3
Leptospirosis	B 1
Coccidiosis	В 3
BVD	B 2
IBR	В 3
Warts	В 3
Tulip	B 2
Water contamination	B 2
Protein deficiency	В 3
Energy deficiency	В 3
Trace Mineral deficiencies	В 3
Abortions	В 3
Diarrhoea	В 3
Lameness	В 3
Lungs	В 3
Eye infection	В 3
Abscesses	B,C 3

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

Specialist Veterinary Pathologist, Vetdiagnostix - Veterinary Pathology Services

LIVESTOCK DISEASE SURVEILANCE							
NO.							
LIVESTOCK SPECIES	DISEASE AGENT	CASES	LOCATION				

Bovine, Dairy Calf 1			Piet Retief,
week	Sarcina-like bacterial abomasitis	1	Mpumulanga
Bovine, Dairy calf	Cryptosporidia and ESBL E.coli	1	Howick, KZN
Bovine, Beef Cow	Babesia bovis	1	Humansdorp, E.Cape
Bovine, Adult Dairy Cow	Enzootic Bovine Leukosis	1	Howick, KZN
Bovine, Heifer 3 months	Chronic seneciosis (Molteno straining disease)	1	Underberg, KZN
	Cryptosporidiosis and		
Bovine, Beef Calf 1 week	bronchopneumonia	1	Creighton, KZN
Bovine, Aborted Fetus	Fetus Bovine herpesvirus-1 abortion		Underburg, KZN
Bovine, Feedlot steer	Babesia bovis + bronchopneumonia	1	Northwest Province
Bovine, Bull	Fibropapilloma	1	East London, E. Cape
Bovine, Dairy Calf	Pneumonic mannheimenolosis	1	Kokstad, E. Cape
Bovine, Beef Heifers	Peri-renal oedema disease	1	Jeffreys Bay, E. Cape.
Bovine, Cow	Ostertagiosis type II	1	Mooi River, KZN
Bovine, Heifer 1st calver	ovine, Heifer 1st calver Adult salmonellosis		Jeffery's Bay, E. Cape

WILDLIFE DISEASE SURVEILANCE						
WILDLIFE SPECIES DISEASE AGENT NO. CASES LOCATION						
White rhino, 3 month calf	Shuni virus encephalitis	1	Aliwal North, Northern Cape			
White rhino, Adult cow	ult cow Iron storage disorder 1		Potchefstroom, North West			
Buffalo, Adult Cow	Pulmonary hypertension	nary hypertension 1 Rooiberg, Limpopo				

Monthly report on Livestock and Wildlife isolations for July 2018 from IDEXX Laboratories supplied by dr. Liza du Plessis (<u>Liza-DuPlessis@idexx.com</u>)

Condition	Comments and Specie
Pulpy kidney	01
Johne's disease	01
E. coli	O,C 1
Hepatotoxicity	B 1
Protein – Energy malnutrition	G 2

Lungs	G 1
Abortion	B,O,C 2



Section of Pathology Department of Paraclinical Sciences Faculty of Veterinary Science

26th June June 2018 DAFF

Import/Export Policy Unit Subdirectorate

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Monthly report: Faculty of Veterinary Science cases Cases sent to referring veterinarians between 30th May and 26th June 2018

Cases from State vet Skukuza or Orpen

Cases imported with master permit (none)

PMDate	Species	Final	Histo No
25-May-18	Ostrich	Cachexia	S1823-18
25-May-18	Roan	Neuroendocrine tumour (peri-aortic)	S1844-18
28-May-18	Blue Wildebeest	Capture myopathy	S1852-18
28-May-18	Cheetah	Chronic renal disease, gastritis	S1864-18
01-Jun-18	Bengal Tiger	Dermatophytosis	S1934-18
04-Jun-18	Blue Crane	Proventricular ascarid infestation	S1948-18
04-Jun-18	Roan	Klebsiella enterocolitis	S1949-18
11-Jun-18	Tiger	Feline sarcoid (fibropapilloma)	S2035-18
13-Jun-18	Chacma baboon	Suspected central blindness	S02060-18

Kind regards,

Mily Witchell

Prof. Emily Mitchell

DISEASE DISTRIBUTION REPORT AS REPORTED BY VETERINARIANS

Table of Contents

Internal Parasites

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, Paralysis ticks, Biting lice (red lice), Sucking lice (blue lice), Scab mites, Mange Mites, Nuisance Flies, Blowflies, Screw-worm, Nasal bot larvae, Midges, Itch mite
<u>Tick-borne Diseases</u>	African red water, Asiatic red water, Anaplasmosis, Heartwater, Sweating Sickness
<u>Insect Transmittable Diseases</u>	Lumpy skin disease, Three-day-stiffsickness, Nagana
Venereal Diseases	Actinobacillus seminis, 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, Leptospirosis, Septicaemia, E. coli, Enzootic Abortion, Dermatophilosis (Lumpy Wool), Intrauterine Gangrene, Bovine Dermatophilosis (Senkobo disease), Fusibacterium necrophorum, Other
Protozoal diseases (other)	Besnoitiosis, Coccidiosis, Cryptosporidium
<u>Fungal diseases</u>	Ringworm
<u>Viral Diseases (other)</u>	BMC, Rabies, BVD (Bovine viral diarrhoea), IBR (Infectious bovine rhinotracheitis), Enzootic Bovine Leucosis (EBL), Orf, Warts, Rota virus
Poisonings (Plant) and Fungal	Cardiac glycoside poisoning, <i>Cestrum</i> , <i>Cynanchum</i> poisoning, Facial eczema, Gifblaar, Lantana, Lupine Poisoning, Seneciosis, Tulip Poisoning, Vermeersiekte (<i>Gaigeria</i> spp.), Mycotoxicosis, Diplodiosis, Other
<u>Poisonings</u>	<u>Urea Poisoning</u> , <u>Snake Bite</u> , <u>Copper Poisoning</u> , <u>Chemical products</u> , <u>Other</u>
Macro Nutritional Problems	Energy deficiency, Protein deficiency, Phosphate deficiency, Calcium deficiency
Micro Nutritional Problems	Copper deficiency, Selenium deficiency, Iodine deficiency, Vitamin A deficiency, Vitamin B deficiency
Multi-factorial Disease Conditions	Abortions, Stillbirths, Abscesses, Abscesses in general, Bladder stones, Blindness, Bload, 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, Trauma, Downer, Traumatic Reticulo-pericarditis, Other, Vestubular syndrome (Middle ear infection)
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, Lightning, Frozen to death
Non specific diseases	Cause of death not established, Preditors, Sabotation - Theft, Trauma

Internal	Parasites								
Roundworms in general						^			
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (4)	2.0 (2)			1.6 (5)	2.0 (6)	1.2 (6)	2.1 (7)	
Level of impore	ortance scale: 1	= one case	e, 2 = more	e than on	e case b	ut less than t	en and 3 =	more than :	10 cases
Beef	1.0 (2)				1.0 (1)	2.0 (3)	1.0 (1)		
Dairy							1.0(1)		
Sheep	1.0 (1)	2.0 (1)			1.8 (4)	2.0 (2)	1.3 (3)	2.2 (6)	
Goat	1.0 (1)	2.0 (1)				2.0 (1)	1.0 (1)	2.0 (1)	
Mpumalang									
	four Diereklin	iek							
Beef: 1, Shee									
	Vildlife vets 1								
Beef: 1									
Gauteng	raal Thomba	Amimal Cli	nia						
Hammanskraal, Themba Animal Clinic									
Goat: 2 Pretoria, Anima Veterinary Consulting Rooms									
Sheep: 2	iiiia veeeiiiiai	y consuit	ing Rooms	-					
Free State									
Clocolan, Cl	ocolan Dierek	liniek							
Sheep: 2									
Dewetsdorp, Platkop Dierekliniek									
Sheep: 2									
	Kroonstad Die	rehospita	al						
Sheep: 2	Ladybrand								
Ladybrand, Beef: 1, Shee									
Kwazulu-Na									
	ugela Vet Clini	ic							
Beef: 2, Shee									
	Mooirivier Vet	t Clinic							
Beef: 2									
Mtubatuba, Mtubatuba Animal Clinic									
Beef: 2, Goat: 2									
Vryheid, Vryheid Privaat Veeartse									
Sheep: 2									
Eastern Cap		n Diorok!:	aiok						
Sheep: 2	h, Hertzogbrug	Dierekili	IICK						
	State Vet Cofi	mvaha							
Beef: 1, Shee									
_ 55.1 1, 51160	F · -								

	p, Humansdor	p Veterin	ary Clinic						
Dairy: 1	0		-11/-11-1-						
_	n, Queenstow	n Provinci	ai vet Lab						
Sheep: 1, Go Western Ca									
	rerberg Veteri	nary Hoen	ital						
Sheep: 2	verberg vetern	iiai y i iosp	itai						
•	gerberg Diereh	nospitaal l	Darling						
Sheep: 2	, c g	.cop.taa	- uy						
	orge Animal H	ospital							
Sheep: 3		•							
Heidelberg	(WC), Heidelb	erg Diere	kliniek						
Sheep: 2									
Riversdale,	Riversdal Dier	ekliniek							
Sheep: 2, Go									
	Wellington Di	ierehospit	aal						
Sheep: 2									
Resistant	t Round Wo	rms							<u>^</u>
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)	1.0 (1)	1.0 (2)					2.0 (3)	
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than :	10 cases
Sheep	1.0(1)	1.0(1)	1.0(1)					2.0 (3)	
Goat			1.0(1)						
Mpumalang	ıa			<u> </u>					
	lfour Diereklin	iek							
Sheep: 1									
Gauteng									
Pretoria, Ar	nima Veterinar	y Consult	ing Rooms	5					
Sheep: 1									
Limpopo									
	, Pietersburg V	eterinary	Clinic						
Sheep: 1, Go									
Western Ca									
	verberg Veteri	nary Hosp	oitai						
Sheep: 2	bour Diouob		Naulina						
	gerberg Diereh	iospitaai i	Darling						
Sheep: 1	orge Animal H	ocnital							
Sheep: 3	orge Ammai n	оѕрісаі							
Wirewort	m								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)	2.7 (3)	3.0 (2)		1.7 (6)	1.5 (4)	1.0 (3)	3.0 (1)	

(6)

Beef				2.0 (1)				
Sheep	1.0 (1)	2.5 (2)	3.0 (1)	1.6 (5)	2.0 (1)	1.0 (2)	3.0 (1)	
Goat		3.0 (1)	3.0 (1)		1.3 (3)	1.0(1)		

Mpumalanga

Volksrust, Cape Cross Volksrust Dierehospitaal

Sheep: 1

Gautena

Hammanskraal, Themba Animal Clinic

Sheep: 2, Goat: 3

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Sheep: 3 Limpopo

Polokwane, Pietersburg Veterinary Clinic

Sheep: 3, Goat: 3
Free State

Clocolan, Clocolan Dierekliniek

Sheep: 2

Frankfort, Frankfort Dierekliniek

Sheep: 2

Ladybrand, Ladybrand

Sheep: 1

Reitz, Riemland Dierehospitaal

Sheep: 2

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 1

Winburg, Winburg Dierekliniek

Beef: 2

Kwazulu-Natal

Camperdown, Camperdown Vet Clinic

Goat: 1

Estcourt, Estcourt Vet Clinic

Sheep: 2, Goat: 2

Mtubatuba, Mtubatuba Animal Clinic

Goat: 1
Eastern Cape

Cofimvaba, State Vet Cofimvaba

Sheep: 1

Queenstown, Queenstown Provincial Vet Lab

Sheep: 1, Goat: 1
Western Cape

George, George Animal Hospital

Sheep: 3

Brown st	omach-wor	m					^
PROVINCE	Mpumalanga	Gauteng	Limpopo	Free State	Eastern Cape	Western Cape	Northern Cape

									•
Average							1.0 (1)	2.0 (1)	
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Beef							1.0(1)		
Sheep								2.0 (1)	
Eastern Cap									
	State Vet Cofi	mvaba							
Beef: 1 Western Ca	ne								
	Riversdal Dier	ekliniek							
Sheep: 2									
Nodular v	worm								^
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 on	e case b	ut less than t	en and 3 =	more than	10 cases
Sheep								1.0(1)	
Western Ca	_								
	est, Beaufort \	West State	e Vet						
Sheep: 1 Seen when de	oing post morte	m							
Tape Wo									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)		1.0 (2)		1.6 (5)	1.0 (2)			2.0 (1)
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Beef						1.0(1)			
Sheep	1.0 (1)		1.0 (1)		1.5 (4)	1.0 (1)			
Goat			1.0 (1)		2.0 (1)				2.0 (1)
Mpumalang Balfour, Bal Sheep: 1	a four Diereklin	iek							
Limpopo Polokwane,	Pietersburg V	eterinary	Clinic						
Sheep: 1, Go	at: 1								
Free State									

Classian Classian Diagaldiniak													
	Clocolan, Clocolan Dierekliniek Cheep: 1												
	e, Hertzogville	Dioroklin	iak										
Sheep: 2	, riei tzogville	DICIEKIIII	ICK										
•	Kroonstad Die	rehospita	al										
Sheep: 2, Go			· ·										
	land Dierehos	pitaal											
Sheep: 1													
Kwazulu-Na													
	Mooirivier Vet	t Clinic											
Beef: 1	He dowlease Ma												
Sheep: 1	Underberg Ve	terinary s	burgery										
Northern Ca	ane												
	rg, Postmasbu	rg Dierek	liniek										
Goat: 2	J,												
Davafilav	-												
Parafilar	la l								<u> </u>				
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape				
Average						1.0 (1)			3.0 (1)				
Level of impore reported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases				
Beef						1.0(1)			3.0 (1)				
Kwazulu-Na Mtubatuba, Beef: 1 Northern Ca	Mtubatuba Ar	nimal Clin	ic										
	Kimberley Die	rekliniek											
Liver fluk	æ								_				
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape				
Average	2.0 (2)		1.0 (1)	1.0 (1)	1.3 (3)	1.0 (1)	1.0 (1)	3.0 (1)					
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases				
_	2.0 (2)		1.0 (1)	1.0 (1)	1.3 (3)	1.0 (1)							
	2.0 (2)												
	2.0 (2)							3.0 (1)					
Beef Dairy Sheep	2.0 (2)						1.0 (1)	3.0 (1)					
Dairy Sheep							1.0 (1)	3.0 (1)					
Dairy Sheep Mpumalang		iek					1.0 (1)	3.0 (1)					
Dairy Sheep Mpumalang	a four Diereklin	iek					1.0 (1)	3.0 (1)					

Doof. 2													
Beef: 2	Limpopo												
Polokwane, Pietersburg Veterinary Clinic													
Beef: 1	, Pietersburg v	eterinary	Clinic										
North West													
		avalaanit	!										
Beef: 1	Klerksdorp Di	erenospic	.ddI										
Free State													
	mal Vatarinam	Clinia											
Beef: 1	mel Veterinary	Cillic											
	land Diarahas	nitaal											
	Reitz, Riemland Dierehospitaal Beef: 1												
Villiers, Wilgepoort Dierekliniek Vennootskap													
Beef: 2													
Beer: 2 Kwazulu-Natal													
Mooi River, Mooirivier Vet Clinic Reef: 1													
Beef: 1													
	Eastern Cape Queenstown, Queenstown Provincial Vet Lab												
Sheep: 1	ii, Queelistowi	ii Fi OVIIICI	ai vet Lab										
Western Ca	no.												
		ocnitaal [Darling										
Darling, Tygerberg Dierehospitaal Darling Dairy: 3													
Dall y. 3													
Conical F	lukes								^				
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape				
Average	1.0 (1)				2.0 (2)	1.5 (4)	1.5 (2)	1.0 (1)					
	1.0 (1) ortance scale: 1	= one case	e, 2 = more	than on	(2)		, ,		10 cases				
Level of imp		= one case	e, 2 = more	than on	(2)		, ,	more than :	10 cases				
Level of impreported	ortance scale: 1	= one case	e, 2 = more	than on	(2) e case b	ut less than t	en and 3 =		10 cases				
Level of impreported Beef	ortance scale: 1	= one case	e, 2 = more	than on	(2) e case b	ut less than t	en and 3 =	more than :	10 cases				
Level of impreported Beef Dairy	ortance scale: 1	= one case	e, 2 = more	than on	(2) e case b 2.0 (1)	ut less than t	en and 3 =	more than :	10 cases				
Level of impreported Beef Dairy Sheep Goat	ortance scale: 1	= one case	e, 2 = more	e than on	(2) e case b 2.0 (1)	1.0 (2) 2.0 (1)	en and 3 =	more than :	10 cases				
Level of impreported Beef Dairy Sheep Goat Mpumalang	ortance scale: 1		e, 2 = more	e than on	(2) e case b 2.0 (1)	1.0 (2) 2.0 (1)	en and 3 =	more than :	10 cases				
Level of impreported Beef Dairy Sheep Goat Mpumalang	ortance scale: 1		e, 2 = more	e than on	(2) e case b 2.0 (1)	1.0 (2) 2.0 (1)	en and 3 =	more than :	10 cases				
Level of impreported Beef Dairy Sheep Goat Mpumalang Balfour, Bal	ortance scale: 1		e, 2 = more	e than on	(2) e case b 2.0 (1)	1.0 (2) 2.0 (1)	en and 3 =	more than :	10 cases				
Level of impresented Beef Dairy Sheep Goat Mpumalang Balfour, Bal Beef: 1 Free State	1.0 (1)	iek		e than on	(2) e case b 2.0 (1)	1.0 (2) 2.0 (1)	en and 3 =	more than :	10 cases				
Level of impresented Beef Dairy Sheep Goat Mpumalang Balfour, Bal Beef: 1 Free State Viljoenskro	ortance scale: 1	iek		than on	(2) e case b 2.0 (1)	1.0 (2) 2.0 (1)	en and 3 =	more than :	10 cases				
Level of impresented Beef Dairy Sheep Goat Mpumalang Balfour, Bal Beef: 1 Free State Viljoenskro Sheep: 2	ortance scale: 1 1.0 (1) Ja Ifour Diereklin on, Viljoenskre	iek oon Dierel	kliniek		(2) e case b 2.0 (1)	1.0 (2) 2.0 (1)	en and 3 =	more than :	10 cases				
Level of impresented Beef Dairy Sheep Goat Mpumalang Balfour, Bal Beef: 1 Free State Viljoenskro Sheep: 2	1.0 (1)	iek oon Dierel	kliniek		(2) e case b 2.0 (1)	1.0 (2) 2.0 (1)	en and 3 =	more than :	10 cases				
Level of impresented Beef Dairy Sheep Goat Mpumalang Balfour, Bal Beef: 1 Free State Viljoenskro Sheep: 2 Villiers, Wil Beef: 2	ortance scale: 1 1.0 (1) Ja Ifour Diereklin on, Viljoenskre gepoort Diere	iek oon Dierel	kliniek		(2) e case b 2.0 (1)	1.0 (2) 2.0 (1)	en and 3 =	more than :	10 cases				
Level of impreported Beef Dairy Sheep Goat Mpumalang Balfour, Bal Beef: 1 Free State Viljoenskro Sheep: 2 Villiers, Wil Beef: 2 Kwazulu-Na	ortance scale: 1 1.0 (1) Ja Ifour Diereklin on, Viljoenskro gepoort Dierek	iek oon Dierel kliniek Ve	kliniek		(2) e case b 2.0 (1)	1.0 (2) 2.0 (1)	en and 3 =	more than :	10 cases				
Level of impreported Beef Dairy Sheep Goat Mpumalang Balfour, Bal Beef: 1 Free State Viljoenskro Sheep: 2 Villiers, Wil Beef: 2 Kwazulu-Na Estcourt, Es	1.0 (1) 1.0 (1) Ja Ifour Diereklin on, Viljoenskro gepoort Dierek atal stcourt Vet Cli	iek oon Dierel kliniek Ve	kliniek		(2) e case b 2.0 (1)	1.0 (2) 2.0 (1)	en and 3 =	more than :	10 cases				
Level of impreported Beef Dairy Sheep Goat Mpumalang Balfour, Bal Beef: 1 Free State Viljoenskro Sheep: 2 Villiers, Will Beef: 2 Kwazulu-Na Estcourt, Es Sheep: 2, Go	1.0 (1) 1.0 (1) Ja Ifour Diereklin on, Viljoenskro gepoort Dierek atal stcourt Vet Cli	iek oon Dierel kliniek Ve	kliniek		(2) e case b 2.0 (1)	1.0 (2) 2.0 (1)	en and 3 =	more than :	10 cases				

Beef: 1									
Mtubatuba,	Mtubatuba Ar	nimal Clin	ic						
Beef: 1									
Eastern Cap	е								
Alexandria,	Alexandria Pla	atteland S	Spreekkam	er					
Beef: 1									
Aliwal Nortl	h, Hertzogbrug	g Diereklii	niek						
Sheep: 2									
Western Ca									
	n, Swellendam	Dierehos	pitaal						
Dairy: 1									
Cysticerc	osis								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	3.0 (1)							2.0 (1)	2.5 (2)
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than 1	10 cases
Beef	3.0 (1)							2.0(1)	2.0(1)
Sheep								<u> </u>	3.0 (1)
Mpumalang	12								3.0 (1)
	a Ielspruit Anima	al Hosnita	ıl						
Beef: 3	icispi dic Ammi	и поэрга	·•						
Western Ca	pe								
	y, Malmesbury	Dierehos	pitaal						
Beef: 2	,, ,								
Northern Ca	аре								
Kimberley,	Kimberley Die	rekliniek							
Beef: 2									
Measles seen									
	rg, Postmasbu	rg Dierek	liniek						
Sheep: 3									
External	Parasites								
Blue ticks	5								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.5 (2)		1.3 (4)	2.0 (1)	2.7 (6)	2.3 (4)	1.5 (2)	1.9 (7)	
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than :	10 cases
Beef	1.5 (2)		1.5 (2)	2.0 (1)	2.6 (5)	2.3 (4)	2.0 (1)	2.0 (3)	
Dairy					- (~)·		1.0 (1)	2.0 (3)	
-un y							1.0 (1)	2.0 (3)	

Ch		1.0.(1)	3.0	1.0 (1)
Sheep		1.0 (1)	(1)	1.0 (1)
Goat		1.0 (1)		
Mpumalang	ga			
Balfour, Ba	lfour Dierekliniek			
Beef: 1				
Nelspruit, I	Nelspruit Animal Hospi	tal		
Beef: 2				
Limpopo				
	Dr Henk Visser			
Beef: 1				
Polokwane	, Pietersburg Veterina	rv Clinic		
	ep: 1, Goat: 1	,		
North West				
	, Buffeldoorn Dierehos	nitaal		
Beef: 2	,	p. 300.		
Free State				
	Frankfort Dierekliniek			
Beef: 3	Turkiore Dicrekiiniek			
	Hoopstad Dierekliniek			
Beef: 3, She				
	Kroonstad Dierehospi	taal		
Beef: 2	Ki oolistaa Dielellospi	caai		
	oon, Viljoenskroon Dier	okliniok		
Beef: 2	Jon, Viljoenski Joh Diei	CKIIIICK		
	Vinburg Dierekliniek			
Beef: 3	Vilibui g Dielekiililek			
Kwazulu-N	otol			
		nia		
Beef: 3	Bergville Veterinary Cli	IIIC		
	Turnels Wet Clinic			
Beef: 2	Tugela Vet Clinic			
	domest Head bealth			
Beef: 2	ndumeni Herd health			
	Manisissa Vat Clinia			
	, Mooirivier Vet Clinic			
Beef: 2				
Eastern Ca				
	, Alexandria Platteland	Spreekkamer		
Dairy: 1				
	th, Hertzogbrug Dierek	liniek		
Beef: 2				
Western Ca	-			
	orge Animal Hospital			
Beef: 3, Dair				
	y, Dr Otto Kriek			
Dairy: 1				
	n, Oudtshoorn Dierekli	niek		
Beef: 1, She				
Riversdale,	, Riversdal Dierekliniek	(

Beef: 2, Dairy: 2

Resistant blue Ticks

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 on	e case b	ut less than t	en and 3 =	more than :	10 cases
Beef	2.0(1)								
Mpumalang									
	Lydenburg Die	erespreek	kamer						
Beef: 2									
Heartwat	er (Bont) ti	cks							^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (3)	1.0 (1)	1.3 (3)	3.0 (1)		1.8 (6)	1.0 (1)		
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than :	10 cases
Beef	2.0 (2)	1.0(1)	2.0(1)	3.0(1)		1.8 (4)			
Dairy		, ,				, ,	1.0(1)		
Sheep			1.0(1)			2.0(1)			
Goat	2.0(1)		1.0 (1)			2.0 (1)			
Mpumalang	()		1.0 (1)			2.0 (1)			
	c four Diereklin	iek							
Beef: 1									
	elspruit Anima	al Hospita	ıl						
Beef: 3, Goat	: 2								
Gauteng			•						
Hammanski Beef: 1	aal, Themba <i>l</i>	Animai Cii	nic						
Limpopo									
	Pietersburg V	eterinary	Clinic						
Beef: 2, Shee		Ccci iliai y	Cillino						
North West	, , , , , , , , , , , , , , , , , , ,								
Brits, Brits I	Dierekliniek								
Beef: 3									
Kwazulu-Na									
	ergville Veteri	nary Clini	С						
Beef: 2	ugolo Vet Clii								
Beef: 1	ugela Vet Clini	C							
	dumeni Herd h	nealth							
Beef: 2									
	Mtubatuba Ar	nimal Clin	ic						
Beef: 2									
	ngola Animal	Clinic							
Sheep: 2, Go									
Eastern Cap	e								

Humansdorp, Humansdorp Veterinary Clinic Dairy: 1												
Brown ea	r-ticks								_			
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 impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than :	10 cases			
Beef	1.0(1)		1.0(1)									
Sheep	. ,		1.0 (1)									
Goat 1.0 (1)												
Mpumalanga Balfour, Balfour Dierekliniek Beef: 1 Limpopo Polokwane, Pietersburg Veterinary Clinic												
Beef: 1, Shee		•										
Bont-legg	ged ticks								_			
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape			
Average	1.0 (1)			3.0 (1)	2.5 (4)				2.0 (2)			
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than 1	10 cases			
Beef	1.0 (1)			3.0 (1)	2.5 (2)				2.0 (1)			
Sheep					2.5 (2)				2.0 (1)			
Mpumalanga Balfour, Balfour Dierekliniek Beef: 1 North West Christiana, Christiana Dierehospitaal Beef: 3 Free State Hoopstad, Hoopstad Dierekliniek Beef: 3, Sheep: 3 Kroonstad, Kroonstad Dierehospitaal Beef: 2, Sheep: 2 Northern Cape Calvinia, Calvinia Veeartskliniek												
Sheep: 2 De Aar, De <i>I</i>												

PROVINCE Mpumalanga Gauteng Limpopo North State Natal Cape Cape Northern Cape Average 1.0 (3) 2.5 (2) 2.2 (5) 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 Beef 1.0 (1) 2.5 (2) 2.0 (3) Sheep 1.0 (1) 2.5 (2) 2.5 (2) 2.0 (3) Sheep 1.0 (1) 2.0 (1) Mpumalanga Balfour, Balfour Dierekliniek Beef: 1, Sheep: 1, Goat: 1 North West Christiana Dierehospitaal Beef: 3 Klerksdorp, Buffeldoorn Dierehospitaal Beef: 2 Free State Hoopstad, Hoopstad Dierekliniek Beef: 3, Sheep: 2 Memel, Memel Veterinary Clinic Beef: 1, Sheep: 2 Postmasburg, Postmasburg Dierekliniek Sheep: 2, Goat: 2 Paralysis ticks PROVINCE Mpumalanga Gauteng Limpopo North West State Natal Eastern Cape Northern Cape Average 1.0 (1) 2.0 (1) 2.0 (1)	Beef: 2	Reef: 2 ncrease in tick counts											
PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu- Cape Cape Cape Cape Cape Cape 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 Beef 1.0 (1) 2.5 (2) 3.0 Sheep 1.0 (1) 2.5 (2) 2.0 Goat 1.0 (1) 2.0 (1) Mpumalanga Balfour, Balfour Dierekliniek Beef: 1, Sheep: 1, Goat: 1 North West Christiana, Christiana Dierehospitaal Beef: 2 Free State Hoopstad, Hoopstad Dierekliniek Beef: 3, Sheep: 3 Kroonstad, Kroonstad Dierekliniek Beef: 3, Sheep: 3 Kroonstad, Kroonstad Dierekliniek Beef: 1, Sheep: 1, Sheep: 2 Postmasburg, Postmasburg Dierekliniek Sheep: 2, Goat: 2 Paralysis ticks PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu- Cape 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 Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported			Gauteng	Limpopo									
Beef 1.0 (1) 2.5 (2) 2.0 (3) Sheep 1.0 (1) 2.5 (2) 2.0 (3) Sheep 1.0 (1) 2.5 (2) 2.0 (1) Goat 1.0 (1) 2.0 (1) Mpumalanga Balfour, Balfour Dierekliniek Beef: 1, Sheep: 1, Goat: 1 North West Christiana, Christiana Dierehospitaal Beef: 2 Free State Hoopstad, Hoopstad Dierekliniek Beef: 3, Sheep: 3 Kroonstad, Kroonstad Dierehospitaal Beef: 2, Sheep: 2 Memel, Memel Veterinary Clinic Beef: 1 Northern Cape Postmasburg, Postmasburg Dierekliniek Sheep: 2, Goat: 2 Paralysis ticks PROVINCE Mpumalanga Gauteng Limpopo North West State Natal Eastern Cape 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 1.0 (1) 2.0 (1)	Average	1.0 (3)			2.5 (2)	2.2 (5)				2.0 (2)			
Sheep 1.0 (1) 2.0 (1) Sheep 1.0 (1) 2.0 (1) Mpumalanga Balfour, Balfour Dierekliniek Beef: 1, Sheep: 1, Goat: 1 North West Christiana, Christiana Dierehospitaal Beef: 2 Free State Hoopstad, Hoopstad Dierekliniek Beef: 2, Sheep: 3 Kroonstad, Kroonstad Dierehospitaal Beef: 2, Sheep: 3 Kroonstad, Kroonstad Dierehospitaal Beef: 1 Northern Cape Postmasburg, Postmasburg Dierekliniek Beef: 1 Northern Cape Postmasburg, Postmasburg Dierekliniek Sheep: 2, Goat: 2 Paralysis ticks Average 1.0 (1) 2.0 (1) 2.0 (1) 2.0 (1) 2.0 (1)		ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than 1	10 cases			
Goat 1.0 (1) Mpumalanga Balfour, Balfour Dierekliniek Beef: 1, Sheep: 1, Goat: 1 North West Christiana, Christiana Dierehospitaal Beef: 2 Free State Hoopstad, Hoopstad Dierekliniek Beef: 3, Sheep: 3 Kroonstad, Kroonstad Dierehospitaal Beef: 2, Sheep: 2 Memel, Memel Veterinary Clinic Beef: 1 Northern Cape Postmasburg, Postmasburg Dierekliniek Sheep: 2, Goat: 2 Paralysis ticks PROVINCE Mpumalanga Gauteng Limpopo North West State Natal Cape Western Cape 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) 2.0 (1) 2.0 (1) 3.0 (1) 3.0 (1) 3.0 (1) 3.0 (1) 3.0 (1) 3.0 (1) 3.0 (1)	Beef	1.0 (1)			2.5 (2)								
Mpumalanga Balfour, Balfour Dierekliniek Beef: 1, Sheep: 1, Goat: 1 North West Christiana, Christiana Dierehospitaal Beef: 3 Klerksdorp, Buffeldoorn Dierehospitaal Beef: 2 Free State Hoopstad, Hoopstad Dierekliniek Beef: 3, Sheep: 3 Kroonstad, Kroonstad Dierehospitaal Beef: 2, Sheep: 2 Memel, Memel Veterinary Clinic Beef: 1 Northern Cape Postmasburg, Postmasburg Dierekliniek Sheep: 2, Goat: 2 Paralysis ticks PROVINCE Mpumalanga Gauteng Limpopo North West State Natal 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 Beef 1.0 (1) 2.0 (1)	Sheep	1.0 (1)								2.0 (1)			
Balfour, Balfour Dierekliniek Beef: 1, Sheep: 1, Goat: 1 North West Christiana, Christiana Dierehospitaal Beef: 3 Klerksdorp, Buffeldoorn Dierehospitaal Beef: 2 Free State Hoopstad, Hoopstad Dierekliniek Beef: 3, Sheep: 3 Kroonstad, Kroonstad Dierehospitaal Beef: 2, Sheep: 2 Memel, Memel Veterinary Clinic Beef: 1 Northern Cape Postmasburg, Postmasburg Dierekliniek Sheep: 2, Goat: 2 Paralysis ticks 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 1.0 (1) 2.0 (1)	Goat	1.0 (1)								2.0(1)			
Average Limpopo West State Natal 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 1.0 (1) 2.0 (1) 2.0 (1)	Balfour, Bal Beef: 1, Shee North West Christiana, Beef: 3 Klerksdorp, Beef: 2 Free State Hoopstad, I Beef: 3, Shee Kroonstad, Beef: 2, Shee Memel, Mer Beef: 1 Northern Ca Postmasbur Sheep: 2, Go	Ifour Diereklin ep: 1, Goat: 1 Christiana Die Buffeldoorn D Hoopstad Diere ep: 3 Kroonstad Die ep: 2 mel Veterinary ape rg, Postmasbu	rehospita Dierehospi ekliniek erehospita Clinic	itaal									
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) 2.0 (1) 1.0 (1) 2.0 (1)	PROVINCE	Mpumalanga	Gauteng	Limpopo									
reported 1.0 (1) 2.0 (1)	Average								1.0 (1)	2.0 (1)			
(1) 2.0 (1)		ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than :	10 cases			
Sheep 1.0 (1)	Beef									2.0 (1)			
	Sheep								1.0 (1)				

Free State

Ladybrand,	Ladybrand								
Beef: 1									
Western Ca									
	Riversdal Dier	ekliniek							
Sheep: 1									
Northern Ca	_								
	Aar Veterinary	Clinic							
Beef: 2									
Biting lice	e (red lice)								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)				2.3 (7)	1.0 (1)			
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Beef					2.3 (6)	1.0 (1)			
Dairy					2.0 (1)				
Sheep	2.0(1)								
Mpumalang	a								
Standerton,									
Sheep: 2									
Free State									
Clocolan, Cl	ocolan Dierek	liniek							
Beef: 2									
Dewetsdorp	, Platkop Dier	ekliniek							
Beef: 2									
	seen scratching		oups of cat	tle					
	loopstad Diere	ekliniek							
Beef: 3									
	Kroonstad Die	rehospita	al						
Beef: 3, Dairy									
Ladybrand,	Ladybrand								
Beef: 1	an Viliaanalee	aan Diawal	lelimi ale						
Beef: 3	on, Viljoenskro	Diere	MIIIIEK						
Kwazulu-Na	tal								
	ıtaı ugela Vet Clini	ic							
Beef: 1	-goid for Cilli								
	ice (blue lic	:e)							_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.3 (3)			1.0 (1)	1.5 (2)

Beef	2.3 (3)	2.0 (1)
Sheep	1.0 (1)	
Goat		1.0(1)

Free State

Clocolan, Clocolan Dierekliniek

Beef: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3

Memel, Memel Veterinary Clinic

Beef: 2

Western Cape

Darling, Tygerberg Dierehospitaal Darling

Sheep: 1
Northern Cape

Postmasburg, Postmasburg Dierekliniek

Beef: 2, Goat: 1

Scab mit	es								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)				3.0 (1)			1.5 (2)	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

Mpumalanga

Standerton, Econovet

Sheep: 2

Free State

Smithfield, Freestate Smithfield SV

Sheep: 3

50 cases out of 1628 sheep in Mohokare region

Western Cape

Caledon, Overberg Veterinary Hospital

Sheep: 1

Malmesbury, Dr Otto Kriek

Sheep: 2

The outbreak occurred after purchase of infested animals. This begs the question whether sufficient inspections are allowed to be done by State Animal Inspectors due to financial constraints in this department?

Northern Cape

Upington, Upington Veterinary Clinic

Sheep: 2

Kenhardt district

Mange M	ites								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.7 (3)	1.5 (2)		3.0 (2)	2.5 (4)		1.0 (1)	2.0 (1)	
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than :	10 cases
Beef	1.7 (3)			3.0 (2)	2.5 (4)		1.0 (1)	2.0 (1)	
Goat		1.5 (2)							
Mpumalang	a								
	- four Diereklini	iek							
Beef: 1									
Ermelo, Môi	regloed Veteri	nêre Spre	ekkamer						
Beef: 2									
	rootvlei Diere	kliniek							
Beef: 2									
Gauteng	and Thombs (\!	!.						
Goat: 2	raal, Themba <i>F</i>	Animai Cii	nic						
	iderstepoort A	cadomic	Hospital a	nd Drod	uction /	Inimal Clinia	•		
Goat: 1	ideistepoort A	Caueiiic	nospitai ai	ilu Pi ou	uction <i>i</i>	Allilliai Cillii	<u> </u>		
North West									
	Christiana Die	rehospita	al						
Beef: 3									
Sarcoptes mit	tes								
Leeudorings	stad, Leeudori	ngstad Di	erekliniek						
Beef: 3									
Free State									
	loopstad Diere	ekliniek							
Beef: 3	ll D' l								
Reitz, Riemi Beef: 2	land Dierehos	pitaal							
	n, Wesselsbro	n Diarakli	niok						
Beef: 2	ii, **C33CI3DI U	ii Dielekii	IIICK						
	inburg Dierek	liniek							
Beef: 3									
Eastern Cap	e								
	h, Hertzogbrug	g Diereklii	niek						
Beef: 1									
Western Ca									
	est, Beaufort [Diereklinie	ek						
Beef: 2									
Nuisance	Flies								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	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 reported Average 1.0 (1) 1.0 (1) 2.0 (1) 3.0 (1) 2.0 (1) 3.0 (1) 3.0 (1) 3.0 (1) 2.0 (1) 3.0 (1) 3.0 (1) 3.0 (1) 2.0 (1) 3.0 (1) 2.0 (1) 3.0 (1) 3.0 (1) 3.0 (1) 3.0 (1) 3.0 (1) 3.0 (1) 3.0 (1) 4								•		
Reported Sheep 1.0 (1) Sheep: 1, Sheep: 1, Goat: 1 Free State Hoopstad, Hoopstad Dierekliniek Sheep: 3 Kwazulu-Natal Mtubatuba, Mtubatuba Animal Clinic Sheep: 2, Goat: 2 Blowfiles PROVINCE Mpumalanga Gauteng Limpopo North 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 Freported Sheep 1.0 (1) Screw-worm PROVINCE Mpumalanga Gauteng Limpopo Polokwane, Pietersburg Veterinary Clinic Sheep 1.0 (1) Screw-worm PROVINCE Mpumalanga Gauteng Limpopo Polokwane, Pietersburg Veterinary Clinic Sheep: 1 Screw-worm 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 The company of the case	Average	1.0 (3)					2.0 (2)			
Sheep 1.0 (1) Goat 1.0 (1) Mpumalanga Balfour, Balfour Dierekliniek Beef: 1, Sheep: 1, Goat: 1 Tree State Hoopstad, Hoopstad Dierekliniek Sheep: 3 Kwazulu-Natal Mtubatuba, Mtubatuba Animal Clinic Beef: 2, Goat: 2 Blowfiles PROVINCE Mpumalanga Gauteng 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 Screw-worm PROVINCE Mpumalanga Gauteng 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) 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) 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) 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) Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Mpumalanga Newspale, Newspale Newspale Northern Cape Northern Cape Northern C	Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
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Limpopo Polokwane, Pietersburg Veterinary Clinic Sheep: 1 Screw-worm PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu- 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 Beef 2.0 (1) Sheep 1.0 (1) Mpumalanga Nelspruit, Nelspruit Animal Hospital Geef: 2 Western Cape Riversdale, Riversdal Dierekliniek	Sheep			1.0(1)						
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Screw-worm PROVINCE Mpumalanga Gauteng Limpopo North West Free State Kwazulu- 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 Beef 2.0 (1) Sheep 1.0 (1) Mpumalanga Nelspruit, Nelspruit Animal Hospital Seef: 2 Western Cape Riversdale, Riversdal Dierekliniek		Pietersburg V	eterinary	Clinic						
PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu- 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 Beef 2.0 (1) Sheep 1.0 (1) Mpumalanga Nelspruit, Nelspruit Animal Hospital Beef: 2 Western Cape Riversdale, Riversdal Dierekliniek			,							
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Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Beef	PROVINCE	Mpumalanga	Gauteng	Limpopo						
Reef 2.0 (1) Sheep 1.0 (1) Mpumalanga Nelspruit, Nelspruit Animal Hospital Beef: 2 Western Cape Riversdale, Riversdal Dierekliniek	Average	2.0 (1)							1.0 (1)	
Mpumalanga Nelspruit, Nelspruit Animal Hospital Beef: 2 Western Cape Riversdale, Riversdal Dierekliniek	Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Mpumalanga Nelspruit, Nelspruit Animal Hospital Beef: 2 Western Cape Riversdale, Riversdal Dierekliniek	Beef	2.0(1)								
Nelspruit, Nelspruit Animal Hospital Beef: 2 Western Cape Riversdale, Riversdal Dierekliniek	Sheep								1.0(1)	
Nelspruit, Nelspruit Animal Hospital Beef: 2 Western Cape Riversdale, Riversdal Dierekliniek	Mpumaland	ja .								
Beef: 2 Western Cape Riversdale, Riversdal Dierekliniek			al Hospita	ıl						
Riversdale, Riversdal Dierekliniek	Beef: 2	•								
	Western Ca	ре								
Sheep: 1		Riversdal Dier	ekliniek							
	Sheep: 1									

Nasal bot	larvae								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)				2.3 (3)				1.0(1)
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than 1	10 cases
Sheep	1.0 (1)				2.3 (3)				1.0 (1)
Mpumalang		_							
	hal Diereklinie	k							
Sheep: 1 Free State									
	loopstad Dier	ekliniek							
Sheep: 3	loopstaa Biel	CRITICIC							
	Kroonstad Die	rehospita	al						
Sheep: 2									
	land Dierehos	pitaal							
Sheep: 2									
Northern Ca	ape Ilvinia Veearts	klimiak							
Sheep: 1	iiviilia veearts	KIIIIEK							
Midges									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average								2.0 (3)	
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than 1	10 cases
Beef								2.0(1)	
Dairy								2.0 (1)	
Sheep								2.0 (1)	
Western Ca	ne							2.0 (1)	
	pe y, Malmesbury	Dierehos	pitaal						
	y: 2, Sheep: 2	c. coo	L						
Itch mite									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.0 (1)			3.0 (1)	

Sheep 2.0 (1) 3.0 (1) Free State Ladybrand, Ladybrand Sheep: 2 Western Cape George, George Animal Hospital Sheep: 3 Tick-borne Diseases African red water PROVINCE Mpumalanga Gauteng Limpopo West State Natal Cape Cape Cape Cape Cape Cape Cape Cape	reported			-,						
Free State Ladybrand, Ladybrand Sneep: 2 Western Cape George, George Animal Hospital Sheep: 3 Tick-borne Diseases African red water PROVINCE Mpumalanga Gauteng Limpopo West State Natal Cape Cape Cape Average 2.0 (2) 1.0 (1) 3.0 (1) 2.0 1.3 (4) 2.0 (1) 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 Beef 2.0 (2) 1.0 (1) 3.0 (1) 2.0 1.3 (3) 2.0 (1) 1.0 (1) Dairy 1.0 (1) 2.0 1.0 (1) 2.0 1.0 (1) 2.0 1.0 (1) Dairy 2.0 (1) 1.0 (1) 2.0 1.0 (1) 2.0 1.0 (1) Policivane, Pietersburg Veterinary Clinic Beef: 2 Limpopo Polokvane, Pietersburg Veterinary Clinic Beef: 3 Free State Frankfort, Frankfort Dierekliniek Beef: 3 Free State Frankfort, Frankfort Dierekliniek Beef: 1 Rovith West Vetede Dierehospitaal Beef: 1 Beef: 1 North Free Wazulu- Kall Bergville, Bergville Veterinary Clinic Beef: 2 Umderberg, Underberg Veterinary Surgery Beef: 1 Bastern Cape Alexandria, Riverview Trading Vet Consulting Services	Sheep								3.0 (1)	
Ladybrand, Ladybrand Sheep: 2 Western Cape George, George Animal Hospital Sheep: 3 Tick-borne Diseases African red water PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu- Ratal Cape Cape Cape Cape Cape Cape Cape Cape						(1)			()	
Sheep: 2 Western Cape George, George Animal Hospital Sheep: 3 Tick-borne Diseases African red water PROVINCE Mpumalanga Gauteng Limpopo West State Natal Cape Cape Cape Average 2.0 (2) 1.0 (1) 3.0 (1) 2.0 (2) 1.3 (4) 2.0 (1) 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 Beef 2.0 (2) 1.0 (1) 3.0 (1) 2.0 (2) 1.3 (3) 2.0 (1) 1.0 (1) Dairy 1.0 (1) 2.0 (1) 3.0 (1) 2.0 (2) 1.3 (3) 2.0 (1) 1.0 (1) Dairy Mpumalanga Middelburg Dierehospitaal Beef: 2 Piet Retief, Pets Vet Hospital Beef: 2 Piet Retief, Pets Vet Hospital Beef: 2 Proet State Frankfort, Frankfort Dierekliniek Beef: 3 Free State Frankfort, Frankfort Dierekliniek Beef: 3 Verde, Vrede Dierehospitaal Beef: 1 Beef: 1 Dundee, Endumeni Herd health Beef: 1 Dundee, Endumeni Herd health Beef: 1 Dundee, Endumeni Herd health Beef: 1 Eastern Cape Alexandria, Riverview Trading Vet Consulting Services										
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African red water PROVINCE Mpumalanga Gauteng Limpopo North Free State		orge Ammai n	ospitai							
African red water PROVINCE Mpumalanga Gauteng Limpopo North State Kwazulu- Cape Cape Norther Cape 1.0 (1) 3.0 (1) 2.0 (2) 1.3 (4) 2.0 (1) 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 Beef 2.0 (2) 1.0 (1) 3.0 (1) 2.0 (2) 1.3 (3) 2.0 (1) 1.0 (1) Dairy 1.0 (1) 2.0 (2) 1.0 (1) 2.0 (2) 1.0 (1) 2.0 (2) 1.0 (1) Plet Retief, Pets Vet Hospital Beef: 2 Limpopo Polokwane, Pietersburg Veterinary Clinic Beef: 1 North West Ventersdorp, Ventersdorp Dierekliniek Beef: 3 Free State Frankfort, Frankfort Dierekliniek Beef: 1 Kwazulu-Natal Bergville, Bergville Veterinary Clinic Beef: 1 Kwazulu-Natal Bergville Veterinary Clinic Beef: 1 Underberg, Underberg Veterinary Surgery Beef: 1 Eastern Cape Alexandria, Riverview Trading Vet Consulting Services	·	_								
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Middelburg , Middelburg Dierehospitaal Beef: 2 Piet Retief, Pets Vet Hospital Beef: 2 Limpopo Polokwane, Pietersburg Veterinary Clinic Beef: 1 North West Ventersdorp, Ventersdorp Dierekliniek Beef: 3 Free State Frankfort, Frankfort Dierekliniek Beef: 3 Vrede, Vrede Dierehospitaal Beef: 1 Kwazulu-Natal Beergville, Bergville Veterinary Clinic Beef: 2 Dundee, Endumeni Herd health Beef: 1, Dairy: 1 Underberg, Underberg Veterinary Surgery Beef: 1 Eastern Cape Alexandria, Riverview Trading Vet Consulting Services	Dairy						1.0(1)		2.0(1)	
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Underberg, Underberg Veterinary Surgery Beef: 1 Eastern Cape Alexandria, Riverview Trading Vet Consulting Services										
Beef: 1 Eastern Cape Alexandria, Riverview Trading Vet Consulting Services			terinary S	Surgery						
Alexandria, Riverview Trading Vet Consulting Services			•							
	Eastern Cap	е								
Beef: 2		Riverview Tra	ding Vet	Consulting	Service	es				
	Beef: 2									

Western Ca	ne								
	, Oudtshoorn	Diereklini	ek						
Beef: 1									
Riversdale, Riversdal Dierekliniek									
Dairy: 2									
Asiatic re	ed water								_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North		Kwazulu-	Eastern	Western	Northern
				West	State	Natai	Cape	Cape	Cape
					• •				
Average	1.8 (5)		1.0(1)		2.0	1.7(3)	1.7 (3)	17(3)	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1.0 (3)		1.0 (1)		(3)	1.7 (3)	1.7 (3)	1.7 (3)	
	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and $3 =$	more than :	10 cases
reported									
					2.0				
Beef	1.8 (5)		1.0(1)		(3)	1.7 (3)	2.0 (2)	1.0 (1)	
					(3)		4.0 (4)	0.0 (0)	
Dairy							1.0 (1)	2.0 (2)	
Mpumalang	ıa								
		orocprook	kamar						
	Lydenburg Di	erespreek	kamer						
Beef: 1	N4: -1 -1 - 11 1	n' I							
	, Middelburg I	Dierenosp	itaai						
Beef: 1									
Nelspruit, Nelspruit Animal Hospital									
Beef: 2									
Standerton,	Econovet								
Beef: 2									
	Cape Cross Vol	ksrust Die	erehospita	al					
Beef: 3									
Limpopo									
	Pietersburg V	eterinary/	Clinic						
Beef: 1									
Free State									
Frankfort, F	rankfort Diere	ekliniek							
Beef: 3									
Reitz, Riem	land Dierehos	pitaal							
Beef: 1		•							
Vrede, Vred	e Dierehospita	aal							
Beef: 2									
Kwazulu-Na	atal								
	ergville Veteri	nary Clini	С						
Beef: 2	<u> </u>	,							
	ugela Vet Clini	ic							
Beef: 2	ageia receniii								
	n, Camperdov	vn Vet Cli	nic						
Beef: 1	, camperaot								
Eastern Cap	ne								
-	Riverview Tra	ding Vet	Consulting	Service	26				
Beef: 3	MACIAICAN II G	iding VEL	Consulting	Jei vice	.3				
	n Uumanada.	n Votorio	on, Clinia						
	p, Humansdor	p veterin	ary Clinic						
Dairy: 1									
Jueenstow	n, Queenstow	n veterina	ary clinic						

Doof: 1										
Beef: 1										
	Western Cape									
	Oudtshoorn, Oudtshoorn Dierekliniek									
Beef: 1	D:									
	Riversdal Die	гекипиек								
Dairy: 2	- Cwallandam	Diorobos	mitaal							
Swellendan Dairy: 2	ı, Swellendam	Dierenos	рісааі							
Dali y: 2										
Anaplasn	nosis								_	
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average	2.0 (1)	2.0 (1)		2.0 (3)	2.4 (9)	2.0 (3)	1.3 (3)	2.0 (5)	1.5 (2)	
Level of imported	ortance scale: 1	= one cas	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases	
Beef	2.0 (1)	2.0 (1)		2.0 (3)	2.4 (8)	2.0 (3)	1.0 (1)		1.5 (2)	
Dairy					3.0 (1)		1.5 (2)	2.0 (5)		
Mpumalang	а									
•	nal Diereklinie	k								
Beef: 2										
Gauteng Hammanskı	aal, Themba /	Animal Cli	nic							
Beef: 2										
North West										
	Christiana Die	rehospita	al							
Beef: 3										
	Klerksdorp Di	ierehospit	aal							
Beef: 1										
	stad, Leeudori	ngstad Di	erekliniek							
Beef: 2										
Free State	acalam Diazzla	linial:								
Ciocolan, Ci Beef: 2	ocolan Dierek	iiiieK								
	Oosvrystaat Di	iere Prodi	ıkte							
Beef: 2	Josti ystaat Di	SIC FIOUL								
	rankfort Diere	ekliniek								
Beef: 2										
	loopstad Dier	ekliniek								
Beef: 3	-									
Kroonstad,	Kroonstad Die	rehospita	al							
Beef: 3, Dairy		_								
Ladybrand,	Ladybrand									
Beef: 2										
	land Dierehos	pitaal								
Beef: 2										
	inburg Dierek	liniek								
Beef: 3										

Kwazulu-Na	atal								
Beraville, B	ergville Veteri	narv Clini	C						
Beef: 2									
Bergville, T	ugela Vet Clini	c							
Beef: 1									
Underberg,	Underberg Ve	terinary S	Surgery						
Beef: 3		-							
Emerging far	mers, beef and o	dairy herds							
Eastern Cap	oe e								
Alexandria,	Alexandria Pla	atteland S	Spreekkam	er					
Dairy: 2									
Aliwal Nort	h, Hertzogbrug	g Diereklii	niek						
Beef: 1									
Humansdor	p, Humansdor	p Veterina	ary Clinic						
Dairy: 1									
Western Ca	•								
	orge Animal H	ospital							
Dairy: 3									
	y, Dr Otto Krie	k							
Dairy: 1									
	y, Invitrotech								
Dairy: 2									
Seven cases									
	y, Malmesbury	Dierehos	pitaal						
Dairy: 2									
	Riversdal Dier	ekliniek							
Dairy: 2									
Northern Ca	-								
	nu Dierekliniek								
Beef: 2	Vissbardas Dia								
	Kimberley Die	rekliniek							
Beef: 1									
Heartwa	ter								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average		1.7 (6)	1.0 (4)	2.7 (3)		1.7 (9)	1.5 (4)		
Level of impreported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	out less than t	en and 3 =	more than	10 cases
Beef		1.3 (3)	1.0(1)	2.5 (2)		1.5 (4)	2.0 (1)		
Dairy						1.0(1)	2.0 (1)		
Sheep		1.5 (2)	1.0 (2)	3.0(1)		2.0 (1)	1.0 (2)		
Goat		3.0 (1)			•	2.0 (3)			
Joac		3.0(1)	1.0 (1)			2.0 (3)			

Gauteng

Bronkhorstspruit, Kerkstraat Dierekliniek

Beef: 1

Hammanskraal, Themba Animal Clinic

Beef: 2, Sheep: 1, Goat: 3

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2

Beef: 1									
Limpopo									
	Dr Henk Visse	r							
Sheep: 1									
	Pietersburg V	eterinary	Clinic						
	p: 1, Goat: 1								
North West									
•	Dierekliniek								
Beef: 2									
	a Dierekliniek								
Beef: 3, Shee	•								
Kwazulu-Na		en							
	ergville Veteri	nary Clini	С						
Beef: 1		_							
	ugela Vet Clini	С							
Beef: 1	d	141.							
•	dumeni Herd h	ieaith							
Beef: 2	toourt Vot C!!	ai a							
	tcourt Vet Clir	IIC							
Dairy: 1, Goa		simal Cli	i.a						
	Mtubatuba Ar	ıımaı Cıın	IC						
Beef: 2, Goat		Cl:! -							
	ngola Animal	Clinic							
Sheep: 2, Go									
Eastern Cap	e Riverview Tra	ding Vot	Conculting	. Somice	`				
Beef: 2	Riverview ira	ung vet	Consulung	Service	: 5				
	, Cape Cross \	/otorinam	, Hospital						
Dairy: 2	, cape cross v	retermary	поѕрітаі						
•	n, Queenstowi	. Drovinci	al Vot Lab						
Sheep: 1	ii, Queelistowi	i Pi Ovilici	ai VCL Lab	!					
· · · · · · · · · · · · · · · · · · ·	ast, Bosberg V	otorinary	Clinic						
Sheep: 1	ast, businery v	etermai y	CIIIIC						
леер. 1									
Sweating	Sickness								2
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average				2.0 (1)	1.0 (1)				2.0 (1)
Level of imported	ortance scale: 1	= one case	e, 2 = more	e than on	e case b	out less than t	en and 3 =	more than	10 cases
Beef				2.0 (1)	1.0 (1)				2.0 (1)
			_1						
	Christiana Die	renospita	aı						
Christiana, Beef: 2	Christiana Die	renospita	aı						
North West Christiana, Beef: 2 Free State	Christiana Die	renospita	aı						
Christiana, Beef: 2 Free State	Christiana Die on, Viljoenskro								

Insect Transmittable Diseases Lumpy skin disease PROVINCE Mpumalanga Gauteng Limpopo North West State Natal Eastern Cape Cape Cape Cape Cape Cape Cape Cape	Kuruman, K Beef: 2	uruman Diere	kliniek							
Average 2.0 (1)	Insect Transmittable Diseases									
Average 2.0 (1)	Lumpy sk	in disease								_
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)	PROVINCE	Mpumalanga	Gauteng	Limpopo						Northern Cape
Reported 3.0 (1) 3.0 (6) 3.0 (1) 3.0 (6) 3.0 (1) 3.	Average		2.0 (1)				2.0 (6)	2.0 (1)		
Cautiny Cau	Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Gauteng Hammanskraal, Themba Animal Clinic Beef: 2 Free State Reitz, Riemland Dierehospitaal Beef: 1 Kwazulu-Natal Bergville, Bergville Veterinary Clinic Beef: 2 Camperdown, Camperdown Vet Clinic Beef: 3 Dundee, Endumeni Herd health Beef: 2 Pongola, Pongola Animal Clinic Beef: 1 Underberg, Underberg Veterinary Surgery Beef: 2 Eastern Cape Comerset East, Bosberg Veterinary Clinic Dairy: 2 Three-day-stiffsickness PROVINCE Mpumalanga Gauteng Limpopo North West 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 1.0 (1)	Beef		2.0 (1)				2.0 (6)			
Hammanskraal, Themba Animal Clinic Seef: 2 Free State Reitz, Riemland Dierehospitaal Seef: 1 Kwazulu-Natal Seeryville, Bergville Veterinary Clinic Seef: 2 Camperdown, Camperdown Vet Clinic Seef: 3 Soundee, Endumeni Herd health Seef: 2 Stoourt, Estcourt Vet Clinic Seef: 2 Pongola, Pongola Animal Clinic Seef: 1 Underberg, Underberg Veterinary Surgery Seef: 2 Eastern Cape Somerset East, Bosberg Veterinary Clinic Dairy: 2 Three-day-stiffsickness 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 Seef: 1 1.0 (1)	Dairy							2.0 (1)		
Greef: 2 Free State Reditz, Riemland Dierehospitaal Greyf: 1 Kwazulu-Natal Gergyille, Bergyille Veterinary Clinic Greef: 2 Camperdown, Camperdown Vet Clinic Greef: 3 Dundee, Endumeni Herd health Greef: 2 Congola, Pongola Animal Clinic Greef: 2 Pongola, Pongola Animal Clinic Greef: 2 Congola, Pongola Animal Clinic Greef: 2 Free Somerset East, Bosberg Veterinary Clinic Graity: 2 Three-day-stiffsickness PROVINCE Mpumalanga Gauteng Limpopo North West Free Kwazulu- Natal Eastern 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 1.0 (1)	Gauteng									
Reitz, Riemland Dierehospitaal Geef: 1 Kwazulu-Natal Geef: 2 Camperdown, Camperdown Vet Clinic Geef: 3 Doundee, Endumeni Herd health Geef: 2 Secourt, Estcourt Vet Clinic Geef: 2 Pongola, Pongola Animal Clinic Geef: 1 Underberg, Underberg Veterinary Surgery Geef: 2 Geomerset East, Bosberg Veterinary Clinic Dairy: 2 Three-day-stiffsickness PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu-Ratal 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 1.0 (1)		raal, Themba A	Animal Cli	nic						
Reitz, Riemland Dierehospitaal 3eef: 1 Kwazulu-Natal 3eergville, Bergville Veterinary Clinic 3eef: 2 Camperdown, Camperdown Vet Clinic 3eef: 2 Sestcourt, Estcourt Vet Clinic 3eef: 1 Underberg, Underberg Veterinary Surgery 3eef: 2 Samerset East, Bosberg Veterinary Clinic 3eafern Cape 3eastern Cape 3easter	Beef: 2									
Reef: 1 Kwazulu-Natal Bergville, Bergville Veterinary Clinic Beef: 2 Camperdown, Camperdown Vet Clinic Beef: 2 Pongola, Pongola Animal Clinic Beef: 1 Underberg, Underberg Veterinary Surgery Beef: 2 Eastern Cape Comerset East, Bosberg Veterinary Clinic Cairy: 2 Three-day-stiffsickness PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu-Natal Beef: 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 1.0 (1)		l! D' l								
Average Comportance Scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Comportance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Comportance Scale: 1 = 0.0 (1)		iana Dierenos	pitaai							
Bergville, Bergville Veterinary Clinic Beef: 2 Camperdown, Camperdown Vet Clinic Beef: 3 Dundee, Endumeni Herd health Beef: 2 Estcourt, Estcourt Vet Clinic Beef: 2 Prongola, Pongola Animal Clinic Beef: 2 Beaf: 3 Be		ntal								
Camperdown, Camperdown Vet Clinic Seef: 3 Dundee, Endumeni Herd health Seef: 2 Sestcourt, Estcourt Vet Clinic Seef: 2 Pongola, Pongola Animal Clinic Seef: 1 Junderberg, Underberg Veterinary Surgery Seef: 2 Sastern Cape Somerset East, Bosberg Veterinary Clinic Dairy: 2 Three-day-stiffsickness PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu-Ratal 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 1.0 (1)			narv Clini	C.						
Dundee, Endumeni Herd health 3eef: 2 Estcourt, Estcourt Vet Clinic 3eef: 2 Pongola, Pongola Animal Clinic 3eef: 1 Underberg, Underberg Veterinary Surgery 3eef: 2 Eastern Cape 50merset East, Bosberg Veterinary Clinic Dairy: 2 Three-day-stiffsickness PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu-Natal Eastern 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 3eef 3eef 3.0 (1)	Beef: 2		,	<u>-</u>						
Dundee, Endumeni Herd health 3eef: 2 Estcourt, Estcourt Vet Clinic 3eef: 2 Pongola, Pongola Animal Clinic 3eef: 1 Underberg, Underberg Veterinary Surgery 3eef: 2 Eastern Cape 50merset East, Bosberg Veterinary Clinic Dairy: 2 Three-day-stiffsickness PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu-Natal Eastern 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 3eef 3eef	Camperdow	n, Camperdov	vn Vet Cli	nic						
Seef: 2 Estcourt, Estcourt Vet Clinic Geef: 2 Pongola, Pongola Animal Clinic Geef: 1 Junderberg, Underberg Veterinary Surgery Geef: 2 Eastern Cape Somerset East, Bosberg Veterinary Clinic Dairy: 2 Three-day-stiffsickness PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu-Ratal 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 1.0 (1)	Beef: 3									
Province Mpumalanga Gauteng Limpopo North West State Natal Cape Cape Cape Cape Northern Cape Cape Cape Northern Cape Cape Northern Cape Northern Cape State Natal Cape Cape Northern Northe	Dundee, En	dumeni Herd l	nealth							
Pongola, Pongola Animal Clinic Beef: 1 Underberg, Underberg Veterinary Surgery Beef: 2 Eastern Cape Comerset East, Bosberg Veterinary Clinic Dairy: 2 Three-day-stiffsickness PROVINCE Mpumalanga Gauteng Limpopo North West State Natal 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 Beef 1.0 (1)	Beef: 2									
Pongola, Pongola Animal Clinic Geef: 1 Underberg, Underberg Veterinary Surgery Geef: 2 Eastern Cape Somerset East, Bosberg Veterinary Clinic Dairy: 2 Three-day-stiffsickness PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu-Natal Eastern 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 Beef 1 1.0 (1)	•	tcourt Vet Clir	nic							
Average Limpopo North West Natal Limpopo North West Natal Limpopo North West Natal Limpopo North West Natal Northern Cape Limpopo North West Natal Limpopo North Natal Limpopo Northern Cape Northern Cape Northern Cape Limpopo Northern Cape Northern Cape Northern Cape Northern Cape Limpopo Northern Cape Limpopo Northern Cape			O!:!-							
Jinderberg, Underberg Veterinary Surgery 3eef: 2 Eastern Cape Somerset East, Bosberg Veterinary Clinic Dairy: 2 Three-day-stiffsickness PROVINCE Mpumalanga Gauteng Limpopo North West State State Natal Eastern Cape 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 1.0 (1)		ngola Animai	Clinic							
Seef: 2 Eastern Cape Somerset East, Bosberg Veterinary Clinic Dairy: 2 Three-day-stiffsickness PROVINCE Mpumalanga Gauteng Limpopo North West State Natal Eastern 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 Beef 1.0 (1)		Underberg Ve	tarinary S	Surgery						
Somerset East, Bosberg Veterinary Clinic Dairy: 2 Three-day-stiffsickness PROVINCE Mpumalanga Gauteng Limpopo North West State Natal Eastern Cape Northern 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 Beef 1.0 (1)	Beef: 2	Chach being Ve	cormary s	ui gei y						
Somerset East, Bosberg Veterinary Clinic Dairy: 2 Three-day-stiffsickness PROVINCE Mpumalanga Gauteng Limpopo North West State Northern 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 1.0 (1)		e								
Three-day-stiffsickness PROVINCE Mpumalanga Gauteng Limpopo North West Free State Kwazulu- Rate 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 1.0 (1)			eterinary	Clinic						
PROVINCE Mpumalanga Gauteng Limpopo North West Free State Kwazulu- Rater 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 1.0 (1)	Dairy: 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 1.0 (1) 1.0 (1)	Three-day-stiffsickness									
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)	PROVINCE Mnumalanga Gauteng Limnono									
reported 1.0 (1)	Average						1.0 (1)			
	Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than to	en and 3 =	more than :	10 cases
	Beef						1.0(1)			

Nagana									-
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northerr Cape
Average						2.0 (1)			
evel of impreported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Beef						2.0 (1)			
(wazulu-N	atal								
	, Mtubatuba Aı	nimal Clin	ic						
Beef: 2									
Venerea	l Diseases								
Actinoba	cillus semin	is							
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northeri Cape
Average									2.0 (1)
_evel of imp	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	
Average Level of impreported Sheep	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Level of impreported Sheep Jorthern C	ape		e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Level of impreported Sheep Northern C De Aar, De			e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Level of impreported Sheep Horthern C De Aar, De Sheep: 2	ape		e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Level of impreported Sheep Northern C De Aar, De Sheep: 2 Yosburg	ape Aar Veterinary		e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Level of impreported Sheep Northern C De Aar, De Sheep: 2 /osburg Trichomo	ape Aar Veterinary	Clinic		North West		Kwazulu-	en and 3 = Eastern Cape	more than Western Cape	
Level of impreported Sheep Northern C De Aar, De Sheep: 2 /osburg Trichomo	ape Aar Veterinary Onosis	Clinic		North	Free	Kwazulu-	Eastern Cape	Western	10 cases 2.0 (1) Northeri
Level of impreported Sheep Northern C De Aar, De Sheep: 2 Yosburg Trichomo PROVINCE	ape Aar Veterinary Onosis Mpumalanga	Clinic	Limpopo	North West	Free State 2.3 (10)	Kwazulu- Natal	Eastern Cape 2.0 (1)	Western Cape	10 cases 2.0 (1) Northericape 2.0 (2)
Level of impreported Sheep Jorthern C De Aar, De Sheep: 2 Trichomo PROVINCE Average Level of imp	ape Aar Veterinary onosis Mpumalanga 2.2 (6)	Clinic	Limpopo	North West	Free State 2.3 (10) e case b	Kwazulu- Natal	Eastern Cape 2.0 (1) en and 3 =	Western Cape	10 cases 2.0 (1) Northericape 2.0 (2)
Level of impreported Sheep Jorthern Coe Aar, De heep: 2 Josburg Frichomo PROVINCE Level of impreported Jeported Jeported Jeported	ape Aar Veterinary onosis Mpumalanga 2.2 (6) oortance scale: 1 2.2 (6)	Gauteng = one case	Limpopo	North West 2.3 (4)	Free State 2.3 (10) e case b	Kwazulu- Natal 1.7 (3) ut less than t	Eastern Cape 2.0 (1) en and 3 =	Western Cape	10 cases 2.0 (1) Northericape 2.0 (2)

Grootvlei, Grootvlei Dierekliniek Beef: 2 Middelburg, Middelburg Dierehospitaal **Piet Retief, Pets Vet Hospital** Beef: 2 Standerton, Econovet Beef: 2 **North West** Klerksdorp, Buffeldoorn Dierehospitaal Klerksdorp, Klerksdorp Dierehospitaal Beef: 3 Stella, Stella Dierekliniek Beef: 3 Ventersdorp, Ventersdorp Dierekliniek Beef: 2 **Free State** Clocolan, Clocolan Dierekliniek Beef: 2 Frankfort, Frankfort Dierekliniek Beef: 3 Hertzogville, Hertzogville Dierekliniek Hoopstad, Hoopstad Dierekliniek Beef: 3 **Kroonstad, Kroonstad Dierehospitaal** Beef: 2 **Memel, Memel Veterinary Clinic** Beef: 3 Reitz, Riemland Dierehospitaal Beef: 2 Viljoenskroon, Viljoenskroon Dierekliniek Villiers, Wilgepoort Dierekliniek Vennootskap Beef: 3 **Winburg, Winburg Dierekliniek** Beef: 3 Kwazulu-Natal **Bergville, Bergville Veterinary Clinic** Beef: 1 **Dundee, Endumeni Herd health** Beef: 2 **Vryheid, Vryheid Privaat Veeartse** Beef: 2 **Eastern Cape Alexandria, Riverview Trading Vet Consulting Services** 3 out of 4 bulls on one farm. **Northern Cape** Kathu, Kathu Dierekliniek Beef: 2 Kuruman, Kuruman Dierekliniek

Beef: 2

Vibriosis									4	
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average				1.0 (1)	2.5 (4)		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										
Beef				1.0 (1)	2.5 (4)		1.0 (1)			
Dairy							2.0 (1)			
North West Klerksdorp, Buffeldoorn Dierehospitaal Beef: 1 Free State Clocolan, Clocolan Dierekliniek Beef: 2 Kroonstad, Kroonstad Dierehospitaal Beef: 2 Viljoenskroon, Viljoenskroon Dierekliniek Beef: 3 Winburg, Winburg Dierekliniek Beef: 3 Eastern Cape Alexandria, Riverview Trading Vet Consulting Services Dairy: 2 Queenstown, Queenstown Veterinary clinic Beef: 1 Pizzle disease										
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average		1.0 (1)						2.0 (1)	2.5 (2)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported										
reported										
-		1.0(1)						2.0 (1)	2.5 (2)	
Sheep Sauteng	ima Veterinar	. ,	ing Rooms					2.0 (1)	2.5 (2)	
Sheep Gauteng Pretoria, An Sheep: 1	ima Veterinar	. ,	ing Rooms	3				2.0 (1)	2.5 (2)	
Sheep Gauteng Pretoria, An Sheep: 1 Western Ca	pe	y Consult		3				2.0 (1)	2.5 (2)	
Gauteng Pretoria, An Sheep: 1 Western Ca Beaufort We		y Consult		3				2.0 (1)	2.5 (2)	
Gauteng Pretoria, An Sheep: 1 Western Ca Beaufort We	pe est, Beaufort I	y Consult		3				2.0 (1)	2.5 (2)	
Gauteng Pretoria, An Cheep: 1 Western Ca Beaufort We Cheep: 2 Northern Ca	pe est, Beaufort I ape	y Consult		3				2.0 (1)	2.5 (2)	
Gauteng Pretoria, An Cheep: 1 Vestern Ca Beaufort Wo Cheep: 2	pe est, Beaufort I	y Consult						2.0 (1)	2.5 (2)	

Sheep: 2									
Merino rams									
Bacteria	l Disease (other)							
Blackquarter									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.5 (2)		1.0 (1)	2.5 (2)	2.3 (9)	1.8 (4)	1.0 (3)	1.0 (1)	1.5 (2)
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than :	10 cases
Beef	3.0 (1)		1.0 (1)	2.5 (2)	2.4 (8)	1.8 (4)	1.0 (1)	1.0 (1)	1.5 (2)
Dairy							1.0(1)		
Sheep	2.0 (1)				2.0 (1)		1.0 (1)		
Beef: 3 Ventersdor j	Klerksdorp Di o, Ventersdorp								
Beef: 2									
Free State Clocolan, Cl Beef: 2	ocolan Dierek	liniek							
	o, Platkop Dier	ekliniek							
Beef: 3	, i lauxop z.e.	- Citarinon							
Clostridial dea	aths- mostly in v	weaner cal	/es						
Hoopstad, F	loopstad Diere								
Beef: 3									
	Kroonstad Die	rehospita	al						
Beef: 2									
Ladybrand,	Ladybrand								
Beef: 3	nal Vatarinam	Clinia							
Memei, Mer Beef: 2, Shee	nel Veterinary	CIIIIC							
	։p. z n, Wesselsbro	n Dierekli	niek						
Beef: 1	., 110336131110	Dielekii	IIICK						
	inburg Dierek	liniek							
Beef: 3									
Kwazulu-Na	atal								
D T	unala Vat Clini								

Bergville, Tugela Vet Clinic

Dundee, Endumeni Herd health

Beef: 1

D ()									
Beef: 2									
	Underberg Ve	terinary S	Surgery						
Beef: 3									
Forgetfulness									
Vryheid, Vry	/heid Privaat \	/eeartse							
Beef: 1									
Eastern Cap	e								
Alexandria,	Alexandria Pla	atteland S	preekkam	er					
Dairy: 1									
Queenstow	n, Queenstowi	n Provinci	al Vet Lab						
Sheep: 1									
Queenstown, Queenstown Veterinary clinic									
Beef: 1									
Clostridium c	hauvoei								
Western Ca	ре								
Plettenberg	Bay, Plettenb	erg Bay A	Reitz						
Beef: 1									
One heifer in	a group of 60 a	nimals							
Northern Ca									
	Karoo Veterina	ary Hospit	al						
Beef: 2		<u> </u>							
Few cases in	weaners								
Kimberley,	Kimberley Die	rekliniek							
Beef: 1									
Botulism									<u>^</u>
				North	Free	Kwazulu-	Factorn	Western	Northern
PROVINCE	Mpumalanga	Gauteng	Limpopo	West		Natal	Cape	Cape	Cape
Average			2.0 (1)		2.5 (2)				
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than to	en and 3 =	more than	10 cases
Beef			2.0 (1)		2.5 (2)				
Limpopo									
	Pietersburg V	eterinary	Clinic						
Beef: 2									
Free State									
	loopstad Diere	ekliniek							
Beef: 3	p								
	inburg Dierek	liniek							
Beef: 2	J								
Pulpy Kid	lney								_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average			1.7 (3)	1.8 (4)	1.8		1.0 (2)	1.7 (3)	2.0 (1)

Beef	1.0(1)					
Sheep	2.0 (1) 2	2.0 (3)	1.8 (5)	1.0 (2)	1.7 (3)	2.0 (1)
Goat	2.0 (1) 1	1.0(1)				

Limpopo

Mokopane, Dr Henk Visser

Beef: 1

Polokwane, Pietersburg Veterinary Clinic

Sheep: 2, Goat: 2
North West

Klerksdorp, Buffeldoorn Dierehospitaal

Sheep: 2

Rustenburg, Bergbos Dierekliniek

Sheep: 1, Goat: 1

Stella, Stella Dierekliniek

Sheep: 3
Free State

Clocolan, Clocolan Dierekliniek

Sheep: 2

Frankfort, Frankfort Dierekliniek

Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Sheep: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Sheep: 1

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 1 **Eastern Cape**

Aliwal North, Hertzogbrug Dierekliniek

Sheep: 1

Somerset East, Bosberg Veterinary Clinic

Sheep: 1

Lambs on pasture fed high protein supplement, overdue for follow up multiclostridial booster

Western Cape

Beaufort West, Beaufort West State Vet

Sheep: 2

Sheep were vaccinated but as a result of nutritional disturbances during drought feeding, a few deaths occur.

Caledon, Overberg Veterinary Hospital

Sheep: 2

Darling, Tygerberg Dierehospitaal Darling

Sheep: 1

Northern Cape

De Aar, De Aar Veterinary Clinic

Sheep: 2

Sheep given multi-clostridial vaccine have less deaths.

Lamb dysentry									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape

					1.0				
Average		1.0(1)			1.0		1.0 (2)	2.0(1)	
Arciage		1.0 (1)			(1)		1.0 (2)	2.0 (1)	
	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and $3 =$	more than :	10 cases
reported									
Beef		1.0(1)							
200.		1.0 (1)			1.0				
Sheep					1.0		1.0(1)	2.0(1)	
					(1)		110 (1)	2.0 (1)	
Goat							1.0(1)		
Gauteng								<u> </u>	
	raal, Themba A	Animal Cli	nic						
Beef: 1	, , , , , , , , , , , , , , , , , , , ,								
Free State									
Clocolan, Cl	ocolan Dierek	liniek							
Sheep: 1									
Eastern Cap	е								
Cofimvaba,	State Vet Cofi	mvaba							
Goat: 1									
Queenstow	n, Queenstowi	n Provinci	al Vet Lab	1					
Sheep: 1									
Western Ca									
	erberg Veteri	nary Hosp	ital						
Sheep: 2									
Constlant k	nead diseas								
Swelledi									
owenca i	icau discas	E							^
	leau uiseas	E		Nath	F	W	F	Western	A A
	Mpumalanga		Limpopo	North		Kwazulu-		Western	Northern
			Limpopo	North West	Free State		Eastern Cape	Western Cape	Northern Cape
			Limpopo		State				
PROVINCE	Mpumalanga	Gauteng	Limpopo		State 1.0	Natal		Cape	
		Gauteng	Limpopo		State				
PROVINCE Average	Mpumalanga	Gauteng 2.0 (1)		West	1.0 (1)	2.0 (1)	Cape	3.0 (1)	Cape
PROVINCE Average Level of impo	Mpumalanga	Gauteng 2.0 (1)		West	1.0 (1)	2.0 (1)	Cape	3.0 (1)	Cape
PROVINCE Average	Mpumalanga	Gauteng 2.0 (1)		West	1.0 (1)	2.0 (1)	Cape	3.0 (1)	Cape
PROVINCE Average Level of imporeported	Mpumalanga 1.0 (1) ortance scale: 1	Gauteng 2.0 (1) = one case		West	1.0 (1)	2.0 (1) ut less than t	Cape	3.0 (1)	Cape
PROVINCE Average Level of impo	Mpumalanga	Gauteng 2.0 (1)		West	1.0 (1) e case b	2.0 (1)	Cape	3.0 (1)	Cape
PROVINCE Average Level of imporeported Beef	Mpumalanga 1.0 (1) ortance scale: 1	Gauteng 2.0 (1) = one case		West	1.0 (1) e case b	2.0 (1) ut less than t	Cape	Cape 3.0 (1) more than	Cape
PROVINCE Average Level of imporeported	Mpumalanga 1.0 (1) ortance scale: 1	Gauteng 2.0 (1) = one case		West	1.0 (1) e case b	2.0 (1) ut less than t	Cape	3.0 (1)	Cape
PROVINCE Average Level of imporeported Beef	Mpumalanga 1.0 (1) ortance scale: 1 1.0 (1)	Gauteng 2.0 (1) = one case		West	1.0 (1) e case b	2.0 (1) ut less than t	Cape	Cape 3.0 (1) more than	Cape
PROVINCE Average Level of imporeported Beef Sheep Mpumalang	Mpumalanga 1.0 (1) ortance scale: 1 1.0 (1)	2.0 (1) = one case 2.0 (1)		West	1.0 (1) e case b	2.0 (1) ut less than t	Cape	Cape 3.0 (1) more than	Cape
PROVINCE Average Level of imporeported Beef Sheep Mpumalang	Mpumalanga 1.0 (1) ortance scale: 1 1.0 (1)	2.0 (1) = one case 2.0 (1)		West	1.0 (1) e case b	2.0 (1) ut less than t	Cape	Cape 3.0 (1) more than	Cape
Average Level of imporeported Beef Sheep Mpumalang Piet Retief, Beef: 1 Gauteng	Mpumalanga 1.0 (1) ortance scale: 1 1.0 (1) a Pets Vet Hosp	2.0 (1) = one case 2.0 (1)	e, 2 = more	West	1.0 (1) e case b	2.0 (1) ut less than t	Cape	Cape 3.0 (1) more than	Cape
Average Level of imporeported Beef Sheep Mpumalang Piet Retief, Beef: 1 Gauteng Bronkhorsts	Mpumalanga 1.0 (1) ortance scale: 1 1.0 (1)	2.0 (1) = one case 2.0 (1)	e, 2 = more	West	1.0 (1) e case b	2.0 (1) ut less than t	Cape	Cape 3.0 (1) more than	Cape
Average Level of imporeported Beef Sheep Mpumalang Piet Retief, Beef: 1 Gauteng Bronkhorsts Beef: 2	Mpumalanga 1.0 (1) ortance scale: 1 1.0 (1) a Pets Vet Hosp	2.0 (1) = one case 2.0 (1)	e, 2 = more	West	1.0 (1) e case b	2.0 (1) ut less than t	Cape	Cape 3.0 (1) more than	Cape
Average Level of imporeported Beef Sheep Mpumalang Piet Retief, Beef: 1 Gauteng Bronkhorsts Beef: 2 Free State	Mpumalanga 1.0 (1) ortance scale: 1 1.0 (1) a Pets Vet Hosp spruit, Kerkstr	Gauteng 2.0 (1) = one case 2.0 (1)	e, 2 = more	West	1.0 (1) e case b	2.0 (1) ut less than t	Cape	Cape 3.0 (1) more than	Cape
PROVINCE Average Level of imporeported Beef Sheep Mpumalang Piet Retief, Beef: 1 Gauteng Bronkhorsts Beef: 2 Free State Clocolan, Cl	Mpumalanga 1.0 (1) ortance scale: 1 1.0 (1) a Pets Vet Hosp	Gauteng 2.0 (1) = one case 2.0 (1)	e, 2 = more	West	1.0 (1) e case b	2.0 (1) ut less than t	Cape	Cape 3.0 (1) more than	Cape
PROVINCE Average Level of imporeported Beef Sheep Mpumalang Piet Retief, Beef: 1 Gauteng Bronkhorsts Beef: 2 Free State Clocolan, Cl Sheep: 1	Mpumalanga 1.0 (1) ortance scale: 1 1.0 (1) a Pets Vet Hosp spruit, Kerkstr ocolan Dierek	Gauteng 2.0 (1) = one case 2.0 (1)	e, 2 = more	West	1.0 (1) e case b	2.0 (1) ut less than t	Cape	Cape 3.0 (1) more than	Cape
PROVINCE Average Level of imporeported Beef Sheep Mpumalang Piet Retief, Beef: 1 Gauteng Bronkhorsts Beef: 2 Free State Clocolan, Cl Sheep: 1 Kwazulu-Na	Mpumalanga 1.0 (1) ortance scale: 1 1.0 (1) a Pets Vet Hosp spruit, Kerkstr ocolan Dierek	Gauteng 2.0 (1) = one case 2.0 (1) ital raat Dierel liniek	e, 2 = more	West	1.0 (1) e case b	2.0 (1) ut less than t	Cape	Cape 3.0 (1) more than	Cape
PROVINCE Average Level of imporeported Beef Sheep Mpumalang Piet Retief, Beef: 1 Gauteng Bronkhorsts Beef: 2 Free State Clocolan, Cl Sheep: 1 Kwazulu-Na Dundee, End	Mpumalanga 1.0 (1) ortance scale: 1 1.0 (1) a Pets Vet Hosp spruit, Kerkstr ocolan Dierek	Gauteng 2.0 (1) = one case 2.0 (1) ital raat Dierel liniek	e, 2 = more	West	1.0 (1) e case b	2.0 (1) ut less than t	Cape	Cape 3.0 (1) more than	Cape
PROVINCE Average Level of imporeported Beef Sheep Mpumalang Piet Retief, Beef: 1 Gauteng Bronkhorsts Beef: 2 Free State Clocolan, Cl Sheep: 1 Kwazulu-Na Dundee, End Beef: 2	Mpumalanga 1.0 (1) ortance scale: 1 1.0 (1) a Pets Vet Hosp spruit, Kerkstr ocolan Dierek atal dumeni Herd I	Gauteng 2.0 (1) = one case 2.0 (1) ital raat Dierel liniek	e, 2 = more	West	1.0 (1) e case b	2.0 (1) ut less than t	Cape	Cape 3.0 (1) more than	Cape
PROVINCE Average Level of imporeported Beef Sheep Mpumalang Piet Retief, Beef: 1 Gauteng Bronkhorsts Beef: 2 Free State Clocolan, Cl Sheep: 1 Kwazulu-Na Dundee, End Beef: 2 Western Ca	Mpumalanga 1.0 (1) ortance scale: 1 1.0 (1) a Pets Vet Hosp spruit, Kerkstr ocolan Dierek atal dumeni Herd I	Gauteng 2.0 (1) = one case 2.0 (1) iital iital iital liniek health	e, 2 = more	West	1.0 (1) e case b	2.0 (1) ut less than t	Cape	Cape 3.0 (1) more than	Cape

Sheep: 3										
Red gut (cattle)								<u>^</u>	
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average					1.0 (1)	1.0 (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 reported										
Beef						1.0(1)				
Dairy					1.0 (1)		1.0 (1)	2.0 (1)		
Free State										
	ocolan Dierek	liniek								
Dairy: 1 Kwazulu-Na	ntal .									
	ıtaı Underberg Ve	terinary S	Surgery							
Beef: 1	Olider beig ve	cermary 5	ui gei y							
Eastern Cap	е									
Alexandria,	Alexandria Pla	atteland S	preekkam	er						
Dairy: 1										
Western Ca			_ !!							
Darling, 1 yg Dairy: 2	erberg Diereh	iospitaai L	Jarling							
Blood gut	t (Sheep)								<u>^</u>	
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 impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases	
Sheep	1.0(1)			2.0(1)						
Mpumalang	. ,									
Grootvlei, G	rootvlei Diere	kliniek								
Sheep: 1										
North West		iorobos=	taal							
Sheep: 2	Buffeldoorn D	nei enospi	ıaaı							
Tetanus									^	
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free	Kwazulu-	Eastern	Western	Northern	

Average		2.0 (1)			2.0		1.0 (1)		2.0 (1)
_					(1)				
Level of imp reported	oortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than t	en and 3 =	more than	10 cases
Sheep					2.0		1.0 (1)		
Goat		2.0 (1)			(1)				2 0 (1)
		2.0 (1)							2.0 (1)
Gauteng Hammansk	raal, Themba A	Animal Cli	nic						
Goat: 2	iadi, iliciliba i	Allilliai Cii	1110						
ree State									
lertzogville	e, Hertzogville	Diereklin	iek						
Sheep: 2									
Eastern Cap									
	:h, Hertzogbrug	g Diereklii	niek						
Sheep: 1									
Northern C									
	Kuruman Diere	kliniek							
Goat: 2									
Salmone	llosis								_
PROVINCE	. Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)								
Level of imp reported	oortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than t	en and 3 =	more than	10 cases
Dairy	2.0 (1)								
Mpumalang									
	ya Nelspruit Anim	al Hospita	nl						
Dairy: 2	Cispi die Aimi	ui iioopita	••						
Brucella	abortus								_
PROVINCE	: Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (2)		2.0 (1)	2.0 (2)	2.4 (5)	3.0 (1)			
			2	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Level of imp reported	oortance scale: 1	= one case	e, z = more					more enam	TO CUSCS
	portance scale: 1	= one case	2.0 (1)	2.0 (2)	2.4 (5)	3.0 (1)		Thore chair	To cases
reported	2.0 (2)	= one case		2.0 (2)	2.4 (5)	3.0 (1)			To cuses
reported Beef Mpumalang	2.0 (2)			2.0 (2)	2.4 (5)	3.0 (1)			To cases
reported Beef Mpumalang	2.0 (2)			2.0 (2)	2.4 (5)	3.0 (1)			To cases

Beef: 2 Limpopo		Dierehosp	itaal						
Limpopo									
Polokwane, Pi	ietersburg V	eterinary	Clinic						
Beef: 2									
North West									
Klerksdorp, Kl	lerksdorp Di	erehospit	aal						
Beef: 1									
Stella, Stella D	Dierekliniek								
Beef: 3									
Free State									
Clocolan, Cloc	olan Diereki	iniek							
Beef: 3	Joian Dicieki	IIIICK							
Frankfort, Fra	nkfort Dioro	kliniok							
•	likiort Diere	Kiiiiiek							
Beef: 3									
Hoopstad, Hoo	opstad Diere	Kliniek							
Beef: 3									
Wesselsbron,	Wesselsbro	າ Dierekli	niek						
Beef: 1									
Winburg, Win	burg Dierek	iniek							
Beef: 2									
Kwazulu-Nata	al								
Vryheid, Vryhe	eid Privaat V	eeartse							
Beef: 3									
Brucella ov	ris .								_
PROVINCE M	lpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					1.5 (2)		1.0 (1)		2.5 (4)
Level of import	ance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than to	en and 3 =	more than :	10 cases
reported			-,						
•					1 -				
Sheep					1.5 (2)		1.0 (1)		2.5 (4)
50 p									
-									
Free State	udybrand								
Free State Ladybrand, La	adybrand								
Free State Ladybrand, La Sheep: 1	_	dimints V -	nmontel						
Free State Ladybrand, La Sheep: 1 Villiers, Wilge	_	diniek Ve	nnootskap)					
Free State Ladybrand, La Sheep: 1 Villiers, Wilge Sheep: 2	_	diniek Ve	nnootskap)					
Free State Ladybrand, La Sheep: 1 Villiers, Wilge Sheep: 2 Eastern Cape	poort Dierek)					
Free State Ladybrand, La Sheep: 1 Villiers, Wilge Sheep: 2 Eastern Cape Queenstown,	poort Dierek			•					
Free State Ladybrand, La Sheep: 1 Villiers, Wilge Sheep: 2 Eastern Cape Queenstown, Sheep: 1	epoort Dierek Queenstowr)					
Free State Ladybrand, La Sheep: 1 Villiers, Wilge Sheep: 2 Eastern Cape Queenstown,	epoort Dierek Queenstowr)					
Free State Ladybrand, La Sheep: 1 Villiers, Wilge Sheep: 2 Eastern Cape Queenstown, Sheep: 1	epoort Dierek Queenstowr	ı Veterina		•					
Free State Ladybrand, La Sheep: 1 Villiers, Wilge Sheep: 2 Eastern Cape Queenstown, Sheep: 1 Northern Cape Calvinia, Calvi	epoort Dierek Queenstowr	ı Veterina							
Free State Ladybrand, La Sheep: 1 Villiers, Wilge Sheep: 2 Eastern Cape Queenstown, Sheep: 1 Northern Cape Calvinia, Calvi Sheep: 3	epoort Dierek Queenstowr e inia Veeartsk	n Veterina kliniek							
Free State Ladybrand, La Sheep: 1 Villiers, Wilge Sheep: 2 Eastern Cape Queenstown, Sheep: 1 Northern Cape Calvinia, Calvi Sheep: 3 De Aar, De Aa	epoort Dierek Queenstowr e inia Veeartsk	n Veterina kliniek							
Free State Ladybrand, La Sheep: 1 Villiers, Wilge Sheep: 2 Eastern Cape Queenstown, Sheep: 1 Northern Cape Calvinia, Calvi Sheep: 3 De Aar, De Aa Sheep: 2	epoort Dierek Queenstowr e inia Veeartsk er Veterinary	n Veterina kliniek							
Free State Ladybrand, La Sheep: 1 Villiers, Wilge Sheep: 2 Eastern Cape Queenstown, Sheep: 1 Northern Cape Calvinia, Calvi Sheep: 3 De Aar, De Aa Sheep: 2 Dorper rams bo	Queenstowr e inia Veeartsl r Veterinary	n Veterina kliniek Clinic	ary clinic						
Free State Ladybrand, La Sheep: 1 Villiers, Wilge Sheep: 2 Eastern Cape Queenstown, Sheep: 1 Northern Cape Calvinia, Calvi Sheep: 3 De Aar, De Aai Sheep: 2 Dorper rams bo Postmasburg,	Queenstowr e inia Veeartsl r Veterinary	n Veterina kliniek Clinic	ary clinic						
Free State Ladybrand, La Sheep: 1 Villiers, Wilge Sheep: 2 Eastern Cape Queenstown, Sheep: 1 Northern Cape Calvinia, Calvi Sheep: 3 De Aar, De Aa Sheep: 2 Dorper rams bo	Queenstowr e inia Veeartsl r Veterinary ought in , Postmasbu	n Veterina kliniek Clinic rg Dierekl	ary clinic						

	% of rams infec	ted. Flock	was clean ir	nfected b	y neighl	oour's rams. F	ence in ba	d condition	
Johne`s (lisease								_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average				2.0 (1)				1.5 (2)	
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Beef				2.0(1)					
Sheep								1.5 (2)	
North West									
Ventersdorp Beef: 2	p, Ventersdorp	Diereklir	niek						
seer: 2 Nestern Ca r	pe								
	erberg Veterii	nary Hosp	ital						
Sheep: 2									
	gerberg Diereh	ıospitaal [Darling						
Sheep: 1									
Leptospir	rosis								-
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					1.0 (1)				
				than on	e case b	ut less than t	on and 2 —		
	ortance scale: 1	= one case	e, 2 = more	andir on		at icss triair t	en and 3 =	more than	10 cases
Level of impore reported Sheep	ortance scale: 1	= one case	e, 2 = more		1.0	ut iess triair t	en and 3 =	more than	10 cases
Sheep	ortance scale: 1	= one case	e, 2 = more			ut icss than t	en and 3 =	more than	10 cases
Sheep Free State	finburg Dierek		e, 2 = more		1.0	ut icss than t	en and 3 =	more than	10 cases
Sheep Free State			e, 2 = more	. didir on	1.0	ut less than t	en and 3 =	more than	10 cases
reported Sheep Free State Winburg, W Sheep: 1	inburg Dierek		e, 2 = more		1.0	ut icss than t	en and 3 =	more than	10 cases
Free State Winburg, W Sheep: 1 Septicaer	inburg Dierek	liniek		North West	1.0	Kwazulu- Natal	Eastern Cape	Western Cape	
Free State Winburg, W Sheep: 1 Septicaer	inburg Dierek mia	liniek		North	1.0 (1)	Kwazulu-	Eastern	Western	Northern
Free State Winburg, W Sheep: 1 Septicaer PROVINCE Average	inburg Dierek mia	diniek Gauteng	Limpopo	North West	1.0 (1)	Kwazulu- Natal 3.0 (1)	Eastern Cape	Western Cape	Northerr Cape
Free State Winburg, W Sheep: 1 Septicaer PROVINCE Average Level of impo	rinburg Dierek mia Mpumalanga	diniek Gauteng	Limpopo	North West	1.0 (1)	Kwazulu- Natal 3.0 (1) ut less than t	Eastern Cape	Western Cape	Northerr Cape
Free State Winburg, W Sheep: 1 Septicaer PROVINCE Average Level of impore	rinburg Dierek mia Mpumalanga	diniek Gauteng	Limpopo	North West	1.0 (1)	Kwazulu- Natal 3.0 (1)	Eastern Cape	Western Cape	Northern Cape

Dundee, End	dumeni Herd l	nealth							
Beef: 3									
Pasteurella m	nultocida								
Western Ca	ре								
Riversdale,	Riversdal Dier	ekliniek							
Goat: 1									
E. coli									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.3 (6)	2.0 (1)		2.0 (1)	2.6 (5)	2.0 (1)	1.0 (2)	2.0 (2)	2.0 (1)
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Beef	2.3 (3)			2.0 (1)	(2)	2.0 (1)			
Dairy					2.0 (1)			2.0 (2)	
Sheep	2.5 (2)	2.0 (1)			3.0 (2)		1.0 (1)		
Goat	2.0 (1)						1.0 (1)		2.0 (1)
Mpumalang									
	four Diereklin	iek							
Beef: 3									
	rootvlei Diere	kliniek							
Beef: 2									
Standerton,									
Beef: 2, Shee	p: 2 a pe Cross Vol	kannat Dia	roboonita						
Sheep: 3, Goo	•	KSFUST DIE	erenospita	aı					
Gauteng	at. Z								
	ima Veterinar	v Consult	ina Rooms	•					
Sheep: 2	a vocema	, consuit	9 1.001113						
North West									
	stad, Leeudori	ngstad Di	erekliniek						
Beef: 2									
Free State									
	ocolan Dierek	liniek							
Beef: 2, Dairy									
	loopstad Diere	ekliniek							
Beef: 3, Shee	•								
Kwazulu-Na			· · · · · · · ·						
	Underberg Ve	terinary S	ourgery						
Beef: 2	•								
Eastern Cap	e n, Queenstowi	n Drovinci	al Vot Lah						
Sheep: 1	i, Queenstowi	i Pi OVIIICI	ai VEL LdD						
	Uitenhage Die	rehosnita	al						
Goat: 1	J. C. maye Die	. cospica	· · · ·						

Western Ca	ne								
	jerberg Diereh	ospitaal [Darling						
Dairy: 1									
Malmesbury Dairy: 3	, Malmesbury	Dierehos	pitaal						
Northern Ca	ape								
	g, Postmasbu	rg Dierekl	iniek						
Goat: 2									
Enzootic	Abortion								<u>^</u>
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					1.0 (1)				2.0 (2)
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Sheep					1.0 (1)				2.0(1)
Goat									2.0(1)
Free State									
	n, Wesselsbro	n Dierekli	niek						
Sheep: 1 Northern Ca	na.								
	g, Postmasbu	rg Dierekl	iniek						
Sheep: 2, Go									
Dermato	philosis (Lu	mpy Wo	ol)						<u>^</u>
PROVINCE	Mpumalanga	Gauteng	Limpopo	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 on	e case b	ut less than t	en and 3 =	more than	10 cases
Sheep								1.0(1)	
Western Ca	pe								<u> </u>
Riversdale,	Riversdal Dier	ekliniek							
Sheep: 1									
Intrauter	ine Gangre	ne							^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average							1.0 (1)		1.5 (2)
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases

Sheep							4.0 (4)		1.0 (1)
Goat							1.0 (1)		2.0 (1)
Eastern Cap			Clinia						
Somerset Ea Goat: 1	ast, Bosberg V	eterinary	Clinic						
	e, kidding in feed	dlot							
Northern Ca									
Kuruman, K	uruman Diere	kliniek							
Sheep: 1									
	g, Postmasbu	rg Dierekl	iniek						
Goat: 2									
Bovine D	ermatophilo	sis (Ser	ikobo di	sease)					^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average						1.0 (1)			
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Beef						1.0(1)			
Kwazulu-Na	ntal					()		-	
Mtubatuba, Beef: 1	Mtubatuba Ar	nimal Clini	ic						
DCCI. I									
	erium necro	phorum							^
Fusibacte	erium necro		Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	^ Northern Cape
Fusibacte			Limpopo						
Fusibacte PROVINCE Average		Gauteng		West	State	Natal	Cape	Cape 2.0 (2)	Cape
PROVINCE Average Level of imporeported	Mpumalanga	Gauteng		West	State	Natal	Cape	Cape 2.0 (2)	Cape
PROVINCE Average Level of imporeported Beef	Mpumalanga	Gauteng		West	State	Natal	Cape	2.0 (2) more than 2.0 (1)	Cape
PROVINCE Average Level of imporeported Beef Dairy	Mpumalanga ortance scale: 1	Gauteng		West	State	Natal	Cape	Cape 2.0 (2) more than	Cape
PROVINCE Average Level of imporeported Beef Dairy Western Ca	Mpumalanga ortance scale: 1	Gauteng = one case	e, 2 = more	West	State	Natal	Cape	2.0 (2) more than 2.0 (1)	Cape
PROVINCE Average Level of imporeported Beef Dairy Western Ca	Mpumalanga ortance scale: 1 pe //, Malmesbury	Gauteng = one case	e, 2 = more	West	State	Natal	Cape	2.0 (2) more than 2.0 (1)	Cape
PROVINCE Average Level of imporeported Beef Dairy Western Ca Malmesbury	Mpumalanga ortance scale: 1 pe //, Malmesbury	Gauteng = one case	e, 2 = more	West	State	Natal	Cape	2.0 (2) more than 2.0 (1)	Cape
PROVINCE Average Level of imporeported Beef Dairy Western Ca Malmesbury Beef: 2, Dairy Other	Mpumalanga ortance scale: 1 pe //, Malmesbury	Gauteng = one case Dierehos	e, 2 = more	West	State	Natal ut less than t	Cape	2.0 (2) more than 2.0 (1)	Cape
PROVINCE Average Level of imporeported Beef Dairy Western Ca Malmesbury Beef: 2, Dairy Other	Mpumalanga ortance scale: 1 pe //, Malmesbury /: 2	Gauteng = one case Dierehos	e, 2 = more	than on	e case b	Natal ut less than t	en and 3 =	2.0 (2) more than 2.0 (1) 2.0 (1) Western	Cape 10 cases Northern
PROVINCE Average Level of imporeported Beef Dairy Western Ca Malmesbury Beef: 2, Dairy Other PROVINCE Average	Mpumalanga ortance scale: 1 pe //, Malmesbury /: 2	Gauteng = one case Dierehos Gauteng	pitaal Limpopo 1.0 (1)	than on North West	e case b	wt less than t	en and 3 = Eastern Cape	2.0 (2) more than 2 2.0 (1) 2.0 (1) Western Cape	Cape 10 cases Northern Cape
PROVINCE Average Level of imporeported Beef Dairy Western Ca Malmesbury Beef: 2, Dairy Other PROVINCE Average Level of imporence imporence imported	Mpumalanga ortance scale: 1 pe y, Malmesbury y: 2 Mpumalanga	Gauteng = one case Dierehos Gauteng	pitaal Limpopo 1.0 (1)	than on North West	e case b	wt less than t	en and 3 = Eastern Cape	2.0 (2) more than 2 2.0 (1) 2.0 (1) Western Cape	Cape 10 cases Northern Cape

Limpopo									
Mokopane, Beef: 1	Dr Henk Visse	r							
веет: 1									
Protozoa	al diseases	(other))						
Besnoitio	sis								<u>^</u>
PROVINCE	Mpumalanga	Gauteng	Limpopo	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 on	e case b	ut less than t	en and 3 =	more than	10 cases
Beef		1.0(1)							
Gauteng		(-)							
	raal, Themba A	Animal Cli	nic						
Beef: 1	•								
Coccidios	sis								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (2)	3.0 (1)			1.7 (3)	2.0 (1)		1.5 (2)	
Level of imporeported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Beef					1.5 (2)				
Sheep	2.0 (1)	3.0 (1)			2.0 (1)			2.0 (1)	
Goat	2.0(1)					2.0(1)		1.0(1)	
Mpumalang									
	lelspruit Anima	al Hospita	ıl						
Goat: 2									
Standerton,	Econovet								
Sheep: 2									
Gauteng	adoretonosit A	cadomic	Hoonital -	nd Dund	uction f	Animal Cli-:	•		
Sheep: 3	nderstepoort A	cauemic	nospitai ai	iiu Prod	uction /	animai Ciini	L		
Free State									
	Kroonstad Die	rehospita	al						
Sheep: 2		F-30-							
Ladybrand,	Ladybrand								
Beef: 1									
	gepoort Dierel	kliniek Ve	nnootskap)					
Beef: 2									
Kwazulu-Na		nimal Clim	ic						
ייונעטמנעטמ,	Mtubatuba Aı	iiiiiai Ciin	IC						

Goat: 2			
Western Ca	ре		
Riversdale,	Riversdal Dier	ekliniek	
Sheep: 2, Go	at: 1		
Cryptosp	oridium		
PROVINCE	Mpumalanga	Gauteng	Limpopo
Average	2.0 (2)	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

West

North Free

State Natal

2.0(1)

2.3

(3)

Kwazulu- Eastern Western

3.0 (1)

Cape

1.0(1)

Cape

Northern

Cape

Beef	2.0 (1)		2.0 (1)	2.0 (1)			
Dairy			2.0 (1)		3.0 (1)	1.0 (1)	
Sheep	2.0 (1)	2.0 (1)	3.0 (1)				

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 2, Sheep: 2

Gauteng

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2
Free State

Clocolan, Clocolan Dierekliniek

Beef: 2, Dairy: 2, Sheep: 3

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2 **Eastern Cape**

Jeffreys Bay, Cape Cross Veterinary Hospital

Dairy: 3

Western Cape

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 1

Fungal diseases										
Ringworm										
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average	1.7 (3)			2.0 (1)	1.7 (7)	3.0 (2)		1.7 (3)	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

		l.			1.7				
Beef	1.7 (3)			2.0 (1)	(6)	3.0 (2)		1.5 (2)	2.0 (1)
Dairy								2.0 (1)	
Sheep					2.0 (1)				
Mpumalang	ga								
Bethal, Bet	hal Diereklinie	k							
Beef: 1									
Lydenburg,	Lydenburg Di	erespreekl	kamer						
Beef: 2									
Nelspruit, N	Nelspruit Anim	al Hospital							
Beef: 2									
North West	:								
Christiana,	Christiana Die	rehospitaa	al						
Beef: 2									
Free State									
Dewetsdor	p, Platkop Dier	ekliniek							
Sheep: 2	-								
Ringworm in	sheep of one cli	ient							
Ficksburg,	Oosvrystaat Di	iere Produ	kte						
Beef: 1									
Hertzogville	e, Hertzogville	Diereklini	ek						
Beef: 2									
Hoopstad, I	Hoopstad Dier	ekliniek							
Beef: 3									
Kroonstad,	Kroonstad Die	rehospitaa	al						
Beef: 1									
Ladybrand,	Ladybrand								
Beef: 1									
Memel, Mei	mel Veterinary	Clinic							
Beef: 2									
Kwazulu-Na	atal								
Underberg,	Underberg Ve	terinary S	urgery						
Beef: 3									
Vryheid, Vr	yheid Privaat \	/eeartse							
Beef: 3									
Western Ca	_								
	n, Oudtshoorn	Diereklinie	ek						
Beef: 1									
	Riversdal Die	rekliniek							
Beef: 2, Dair									
Northern C									
	Kimberley Die	rekliniek							
Beef: 2									
Viral Dis	seases (oth	er)							
BMC (sno	otsiekte)								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape

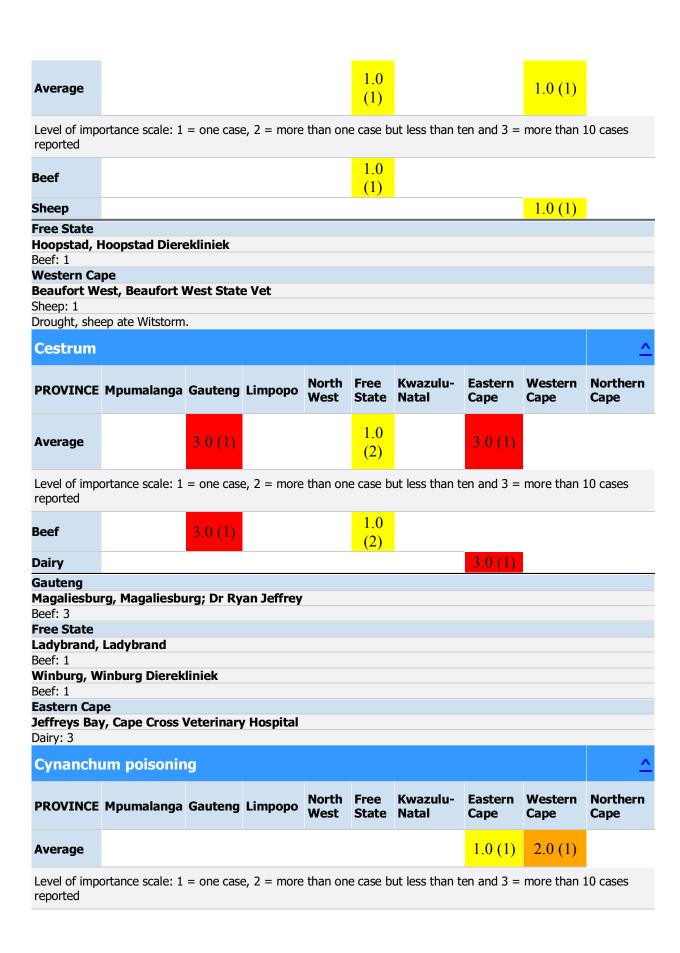
						_			
					2.0				
Average		1.0 (1)	1.5 (2)	2.0(1)	(1)			1.0 (1)	
					(1)				
Level of imp	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
reported									
					2.0				
Beef		1.0 (1)	1.5 (2)	2.0(1)	(1)			1.0 (1)	
Gauteng					(-)				
	t, Muldersdrift	: Animal H	lospital						
Beef: 1	.,								
Limpopo									
Tzaneen, Zz	Z2 Farm Practi	ce							
Beef: 2									
	Vaalwater Die	respreekk	amer						
Beef: 1									
North West									
	p, Ventersdorp	Diereklir	ilek						
Beef: 2									
Free State	linkuwa Diawala	limiale							
Beef: 2	inburg Dierek	iiniek							
Western Ca	no.								
	orge Animal H	osnital							
Beef: 1	orge Ammar m	ospitai							
Deci. 1									
Rabies									^
DDOVINGE	Maumalanga	Cautana	Limmono	North	Free	Kwazulu-	Eastern	Western	Northern
PROVINCE	Mpumalanga	Gauteng	гітроро	West	State	Natal	Cape	Cape	Cape
					2.0		1.2.(2)		
Average					(1)		1.3 (3)		
					(-)				
Level of imp	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
reported			,						
					2.0				
Beef							1.0(1)		
					(1)				
Sheep							1.0(1)		
Goat							2.0 (1)		
Free State							2.0 (1)		
	on, Viljoenskro	on Dierel	kliniek						
Beef: 2	on, thjodhaki	JOIL DICIC	CR						
Eastern Cap	oe .								
		n Provinci	al Vet Lab						
Queenstown, Queenstown Provincial Vet Lab Beef: 1, Sheep: 1, Goat: 2									
	vine viral dia	arrhoea)							^
		arrhoea)				.,	_		_
BVD (Bov	vine viral dia			North	Free	Kwazulu-	Eastern	Western	^ Northern
BVD (Bov				North West	Free State		Eastern Cape	Western Cape	Northern Cape

Average	2.0 (1)	2.0 (1)					1.0 (2)	1.0 (1)	2.0 (1)
Level of impo	ortance scale: 1	= one case	e. 2 = more	than on	e case b	ut less than to	en and 3 =	more than	10 cases
reported		00					J. J		
Beef	2.0 (1)	2.0 (1)					1.0(2)		2.0(1)
Dairy								1.0(1)	
Mpumalang	a								
	, Middelburg I	Dierehosp	itaal						
Beef: 2		_							
Gauteng									
	raal, Themba <i>l</i>	Animal Cli	nic						
Beef: 2									
Eastern Cap									
Beef: 1	State Vet Cofi	mvapa							
	n, Queenstowi	n Drovinci	al Vet I ah						
Beef: 1	ii, Queelistowi	TIOVITICI	ui VCL Lab						
Western Ca	pe								
	Riversdal Dier	ekliniek							
Dairy: 1									
Northern Ca									
	g, Postmasbu	rg Dierekl	iniek						
Beef: 2									
IBR (Infe	ectious bovi	ne rhino	tracheit	is)					<u>^</u>
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
PROVINCE Average	Mpumalanga	Gauteng	Limpopo						
Average	-			West	State	Natal 1.0 (1)	Cape 2.0 (2)	Саре	Cape
Average Level of impo	1.0 (1) ortance scale: 1			West	State	1.0 (1) ut less than to	2.0 (2) en and 3 =	Саре	Cape
Average Level of imporeported Beef	1.0 (1)			West	State	Natal 1.0 (1)	2.0 (2) en and 3 =	Саре	Cape
Average Level of imporeported Beef Dairy	1.0 (1) ortance scale: 1 1.0 (1)			West	State	1.0 (1) ut less than to	2.0 (2) en and 3 =	Саре	Cape
Average Level of imporeported Beef Dairy Mpumalang	1.0 (1) ortance scale: 1 1.0 (1)	= one case	e, 2 = more	West than on	State	1.0 (1) ut less than to	2.0 (2) en and 3 =	Саре	Cape
Average Level of imporeported Beef Dairy Mpumalang Volksrust, C	1.0 (1) ortance scale: 1 1.0 (1)	= one case	e, 2 = more	West than on	State	1.0 (1) ut less than to	2.0 (2) en and 3 =	Саре	Cape
Average Level of imporeported Beef Dairy Mpumalang Volksrust, C Beef: 1	1.0 (1) ortance scale: 1 1.0 (1) a Cape Cross Vol	= one case	e, 2 = more	West than on	State	1.0 (1) ut less than to	2.0 (2) en and 3 =	Саре	Cape
Average Level of imporeported Beef Dairy Mpumalang Volksrust, C Beef: 1 Kwazulu-Na	1.0 (1) ortance scale: 1 1.0 (1) a Cape Cross Vol	= one case	e, 2 = more	West than on	State	1.0 (1) ut less than to	2.0 (2) en and 3 =	Саре	Cape
Average Level of imporeported Beef Dairy Mpumalang Volksrust, C Beef: 1 Kwazulu-Na	1.0 (1) ortance scale: 1 1.0 (1) a Cape Cross Vol	= one case	e, 2 = more	West than on	State	1.0 (1) ut less than to	2.0 (2) en and 3 =	Саре	Cape
Average Level of imporeported Beef Dairy Mpumalang Volksrust, C Beef: 1 Kwazulu-Na Underberg,	1.0 (1) ortance scale: 1 1.0 (1) a Cape Cross Vol	= one case	e, 2 = more	West than on	State	1.0 (1) ut less than to	2.0 (2) en and 3 =	Саре	Cape
Average Level of imporeported Beef Dairy Mpumalang Volksrust, C Beef: 1 Kwazulu-Na Underberg, Beef: 1 Eastern Cap Alexandria,	1.0 (1) ortance scale: 1 1.0 (1) a Cape Cross Vol	= one case ksrust Die terinary S	e, 2 = more	west than on	State e case b	1.0 (1) ut less than to	2.0 (2) en and 3 =	Саре	Cape
Average Level of imporeported Beef Dairy Mpumalang Volksrust, C Beef: 1 Kwazulu-Na Underberg, Beef: 1 Eastern Cap Alexandria, Beef: 2	1.0 (1) ortance scale: 1 1.0 (1) a Cape Cross Vol atal Underberg Ve Riverview Tra	= one case ksrust Die terinary S	e, 2 = more erehospita Gurgery Consulting	west than on	State e case b	1.0 (1) ut less than to	2.0 (2) en and 3 =	Саре	Cape
Average Level of imporeported Beef Dairy Mpumalang Volksrust, C Beef: 1 Kwazulu-Na Underberg, Beef: 1 Eastern Cap Alexandria, Beef: 2 Jeffreys Bay	1.0 (1) ortance scale: 1 1.0 (1) a Cape Cross Volumental Underberg Verence	= one case ksrust Die terinary S	e, 2 = more erehospita Gurgery Consulting	west than on	State e case b	1.0 (1) ut less than to	2.0 (2) en and 3 =	Саре	Cape
Average Level of imporeported Beef Dairy Mpumalang Volksrust, C Beef: 1 Kwazulu-Na Underberg, Beef: 1 Eastern Cap Alexandria, Beef: 2	1.0 (1) ortance scale: 1 1.0 (1) a Cape Cross Vol atal Underberg Ve Riverview Tra	= one case ksrust Die terinary S	e, 2 = more erehospita Gurgery Consulting	west than on	State e case b	1.0 (1) ut less than to	2.0 (2) en and 3 =	Саре	Cape
Average Level of imporeported Beef Dairy Mpumalang Volksrust, C Beef: 1 Kwazulu-Na Underberg, Beef: 1 Eastern Cap Alexandria, Beef: 2 Jeffreys Bay Dairy: 2	1.0 (1) ortance scale: 1 1.0 (1) a Cape Cross Vol atal Underberg Ve Riverview Tra	= one case ksrust Die terinary S ding Vet (e, 2 = more erehospita Gurgery Consulting	west than on	State e case b	1.0 (1) ut less than to	2.0 (2) en and 3 =	Саре	Cape

Average				3.0 (1)	1.0 (1)	2.0 (1)	2.0 (1)	2.0 (1)	
Level of imp reported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than 1	10 cases
Beef					1.0 (1)	2.0 (1)			
Dairy				3.0 (1)			2.0 (1)	2.0 (1)	
North West								<u>'</u>	
Ventersdor	p, Ventersdorp	Diereklir	niek						
Dairy: 3									
Free State									
	inburg Dierek/	liniek							
Beef: 1									
Kwazulu-Na		tarimam, C	`						
Underberg, Beef: 2	Underberg Ve	cerinary S	urgery						
Eastern Cap	10								
	ast, Bosberg V	eterinary	Clinic						
Dairy: 2	asy sosperg v	Jeer mai y	J						
Western Ca	ipe								
	y, Malmesbury	Dierehos	pitaal						
Dairy: 2			•						
Orf									2
PROVINCE	Mnumalanga	Gauteng	Limpopo	North		Kwazulu-	Eastern	Western	Northern
	· · · pamaianga			West	State	Natal	Cape	Cape	Cape
Average	2.0 (2)	1.3 (3)	1.0 (2)		1.0	2.0 (2)	-	1.0 (1)	-
_			1.0 (2)	2.8 (4)	1.9 (7)	2.0 (2)	1.3 (3)	1.0 (1)	2.0 (1)
Level of imp	2.0 (2) ortance scale: 1		1.0 (2)	2.8 (4)	1.9 (7)	2.0 (2) ut less than t	1.3 (3)	1.0 (1)	2.0 (1)
Level of imp reported	2.0 (2) ortance scale: 1	= one case	1.0 (2) e, 2 = more 1.0 (1)	2.8 (4) than one 2.7 (3)	1.9 (7) e case b	2.0 (2) ut less than t	1.3 (3) en and 3 =	1.0 (1) more than 1	2.0 (1) 10 cases
Level of imp reported Sheep	2.0 (2) ortance scale: 1 2.0 (1) 2.0 (1)	= one case	1.0 (2) e, 2 = more 1.0 (1)	2.8 (4) than one 2.7 (3)	1.9 (7) e case b 1.8 (6) 2.0	2.0 (2) ut less than t	1.3 (3) en and 3 =	1.0 (1) more than 1	2.0 (1) 10 cases
Level of imp reported Sheep Goat Mpumalang	2.0 (2) ortance scale: 1 2.0 (1) 2.0 (1)	= one case 1.3 (3)	1.0 (2) e, 2 = more 1.0 (1) 1.0 (1)	2.8 (4) than one 2.7 (3)	1.9 (7) e case b 1.8 (6) 2.0	2.0 (2) ut less than t	1.3 (3) en and 3 =	1.0 (1) more than 1	2.0 (1) 10 cases
Level of impreported Sheep Goat Mpumalang Nelspruit, N Goat: 2	2.0 (2) ortance scale: 1 2.0 (1) 2.0 (1) 2.0 (1)	= one case 1.3 (3)	1.0 (2) e, 2 = more 1.0 (1) 1.0 (1)	2.8 (4) than one 2.7 (3)	1.9 (7) e case b 1.8 (6) 2.0	2.0 (2) ut less than t	1.3 (3) en and 3 =	1.0 (1) more than 1	2.0 (1) 10 cases
Level of impreported Sheep Goat Mpumalang Nelspruit, N Goat: 2 Standerton	2.0 (2) ortance scale: 1 2.0 (1) 2.0 (1) 2.0 (1)	= one case 1.3 (3)	1.0 (2) e, 2 = more 1.0 (1) 1.0 (1)	2.8 (4) than one 2.7 (3)	1.9 (7) e case b 1.8 (6) 2.0	2.0 (2) ut less than t	1.3 (3) en and 3 =	1.0 (1) more than 1	2.0 (1) 10 cases
Level of impreported Sheep Goat Mpumalang Nelspruit, N Goat: 2 Standerton Sheep: 2	2.0 (2) ortance scale: 1 2.0 (1) 2.0 (1) 2.0 (1) ga Nelspruit Anima	= one case 1.3 (3)	1.0 (2) e, 2 = more 1.0 (1) 1.0 (1)	2.8 (4) than one 2.7 (3)	1.9 (7) e case b 1.8 (6) 2.0	2.0 (2) ut less than t	1.3 (3) en and 3 =	1.0 (1) more than 1	2.0 (1) 10 cases
Level of impreported Sheep Goat Mpumalang Nelspruit, N Goat: 2 Standerton Sheep: 2 Gauteng	2.0 (2) ortance scale: 1 2.0 (1) 2.0 (1) 2.0 (1) Ja Helspruit Anima , Econovet	= one case 1.3 (3) al Hospita	1.0 (2) e, 2 = more 1.0 (1) 1.0 (1)	2.8 (4) than one 2.7 (3)	1.9 (7) e case b 1.8 (6) 2.0	2.0 (2) ut less than t	1.3 (3) en and 3 =	1.0 (1) more than 1	2.0 (1) 10 cases
Level of impreported Sheep Goat Mpumalang Nelspruit, N Goat: 2 Standerton Sheep: 2 Gauteng Bronkhorst	2.0 (2) ortance scale: 1 2.0 (1) 2.0 (1) 2.0 (1) ga Nelspruit Anima	= one case 1.3 (3) al Hospita	1.0 (2) e, 2 = more 1.0 (1) 1.0 (1)	2.8 (4) than one 2.7 (3)	1.9 (7) e case b 1.8 (6) 2.0	2.0 (2) ut less than t	1.3 (3) en and 3 =	1.0 (1) more than 1	2.0 (1) 10 cases
Level of impreported Sheep Goat Mpumalang Nelspruit, N Goat: 2 Standerton Sheep: 2 Gauteng Bronkhorst Goat: 2	2.0 (2) ortance scale: 1 2.0 (1) 2.0 (1) 2.0 (1) Ja Helspruit Anima , Econovet spruit, Kerkstr	= one case 1.3 (3) al Hospita	1.0 (2) e, 2 = more 1.0 (1) 1.0 (1) kliniek	2.8 (4) than one 2.7 (3)	1.9 (7) e case b 1.8 (6) 2.0	2.0 (2) ut less than t	1.3 (3) en and 3 =	1.0 (1) more than 1	2.0 (1) 10 cases
Level of impreported Sheep Goat Mpumalang Nelspruit, N Goat: 2 Standerton Sheep: 2 Gauteng Bronkhorst Goat: 2 Hammansk	2.0 (2) ortance scale: 1 2.0 (1) 2.0 (1) 2.0 (1) Ja Helspruit Anima , Econovet	= one case 1.3 (3) al Hospita	1.0 (2) e, 2 = more 1.0 (1) 1.0 (1) kliniek	2.8 (4) than one 2.7 (3)	1.9 (7) e case b 1.8 (6) 2.0	2.0 (2) ut less than t	1.3 (3) en and 3 =	1.0 (1) more than 1	2.0 (1) 10 cases
Level of impreported Sheep Goat Mpumalang Nelspruit, N Goat: 2 Standerton Sheep: 2 Gauteng Bronkhorst Goat: 2 Hammansk Goat: 1	2.0 (2) ortance scale: 1 2.0 (1) 2.0 (1) 2.0 (1) gallelspruit Anima , Econovet spruit, Kerkstr	= one case 1.3 (3) al Hospita aat Diere	1.0 (2) e, 2 = more 1.0 (1) 1.0 (1) kliniek nic	2.8 (4) 2.8 (1) 2.7 (3) 3.0 (1)	1.9 (7) e case b 1.8 (6) 2.0 (1)	2.0 (2) ut less than t 2.0 (1) 2.0 (1)	1.3 (3) en and 3 = 1.5 (2) 1.0 (1)	1.0 (1) more than 1	2.0 (1) 10 cases
Level of impreported Sheep Goat Mpumalang Nelspruit, N Goat: 2 Standerton Sheep: 2 Gauteng Bronkhorst Goat: 2 Hammansk Goat: 1 Pretoria, Oi	2.0 (2) ortance scale: 1 2.0 (1) 2.0 (1) 2.0 (1) Ja Helspruit Anima , Econovet spruit, Kerkstr	= one case 1.3 (3) al Hospita aat Diere	1.0 (2) e, 2 = more 1.0 (1) 1.0 (1) kliniek nic	2.8 (4) 2.8 (1) 2.7 (3) 3.0 (1)	1.9 (7) e case b 1.8 (6) 2.0 (1)	2.0 (2) ut less than t 2.0 (1) 2.0 (1)	1.3 (3) en and 3 = 1.5 (2) 1.0 (1)	1.0 (1) more than 1	2.0 (1) 10 cases
Level of impreported Sheep Goat Mpumalang Nelspruit, N Goat: 2 Standerton Sheep: 2 Gauteng Bronkhorst Goat: 2 Hammansk Goat: 1	2.0 (2) ortance scale: 1 2.0 (1) 2.0 (1) 2.0 (1) gallelspruit Anima , Econovet spruit, Kerkstr	= one case 1.3 (3) al Hospita aat Diere	1.0 (2) e, 2 = more 1.0 (1) 1.0 (1) kliniek nic	2.8 (4) 2.8 (1) 2.7 (3) 3.0 (1)	1.9 (7) e case b 1.8 (6) 2.0 (1)	2.0 (2) ut less than t 2.0 (1) 2.0 (1)	1.3 (3) en and 3 = 1.5 (2) 1.0 (1)	1.0 (1) more than 1	2.0 (1) 10 cases

Polokwane.	Pietersburg V	eterinary	Clinic						
Sheep: 1, Go		oto:a. y	C						
North West									
	Christiana Die	rehospita	al						
Sheep: 2	Cimstiana Dic	Cilospica	uı						
	stad, Leeudori	nastad Di	erekliniek						
Sheep: 3, Go		ngotaa Di	CICILITIICI						
	o, Ventersdorp	Diereklir	iek						
Sheep: 3	o, ventersuoi p	DICICKIII	IICK						
Free State									
	e, Hertzogville	Diereklin	iok						
Sheep: 2	, rici tzogvine	DICICKIIII	ick						
	loopstad Diere	akliniak							
Sheep: 2	loopstau Diere	CKIIIICK							
	Kroonstad Die	rohocnita	al						
Sheep: 2	KI OUIIStau Die	enospita	aı						
	Rowelsfonteir	veeste (Snroekkan	nor					
Sheep: 2	VOM CI2I OHTGH	i vecaits :	phicerrali	ICI					
	on, Viljoenskro	on Diara	kliniok						
Sheep: 2, Go		Jon Diere	MIIIICK						
	at. 2 n, Wesselsbro	n Dierekli	niek						
Sheep: 1	II, WESSEISDFO	ıı Dielekli	IIICK						
Sneep. 1 Kwazulu-Na	stal								
	tcourt Vet Cli	nic							
Sheep: 2, Go		IIC							
Eastern Cap									
	State Vet Cofi	myaha							
Sheep: 2	State Vet Con	IIIVaDa							
	n, Queenstowi	n Drovinci	al Vot Lah						
Goat: 1	ii, Queelistowi	II PI OVIIICI	ai Vet Lab						
	Uitenhage Die	robocnita	al						
Sheep: 1	Oiteiliage Die	еноѕриа	aı						
Western Ca									
	Riversdal Dier	okliniok							
Sheep: 1	Riversual Diel	CKIIIICK							
Northern Ca	ano.								
	ipe (uruman Diere	kliniak							
	uruman Diere	KIIIIIEK							
Sheep: 2									
Warts									_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)	1.0 (1)		3.0 (1)	2.5 (2)	1.7 (3)		3.0 (1)	2.5 (2)
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Beef	2.0 (1)			3.0 (1)	3.0 (1)	1.7 (3)		3.0 (1)	3.0 (1)
Sheep		1.0 (1)			2.0 (1)				

Goat Mpumalanga Lydenburg, L Beef: 2 Gauteng Pretoria, Anir Sheep: 1 North West Christiana, Cl Beef: 3 Free State Hertzogville, Sheep: 2 Hoopstad, Ho Beef: 3 Kwazulu-Nat	ydenburg Die ma Veterinar hristiana Die	y Consult	ing Rooms						2.0 (1)
Lydenburg, L Beef: 2 Gauteng Pretoria, Anir Sheep: 1 North West Christiana, Cl Beef: 3 Free State Hertzogville, Sheep: 2 Hoopstad, Ho Beef: 3 Kwazulu-Nat	ydenburg Die ma Veterinar hristiana Die	y Consult	ing Rooms	· · · · · · · · · · · · · · · · · · ·					
Beef: 2 Gauteng Pretoria, Anir Sheep: 1 North West Christiana, Cl Beef: 3 Free State Hertzogville, Sheep: 2 Hoopstad, Ho Beef: 3 Kwazulu-Nat	ma Veterinar hristiana Die	y Consult	ing Rooms	3					
Gauteng Pretoria, Anir Sheep: 1 North West Christiana, Cl Beef: 3 Free State Hertzogville, Sheep: 2 Hoopstad, Ho Beef: 3 Kwazulu-Nat	hristiana Die	rehospita		; 					
Pretoria, Anir Sheep: 1 North West Christiana, Cl Beef: 3 Free State Hertzogville, Sheep: 2 Hoopstad, Ho Beef: 3 Kwazulu-Nat	hristiana Die	rehospita							
Sheep: 1 North West Christiana, Cl Beef: 3 Free State Hertzogville, Sheep: 2 Hoopstad, Ho Beef: 3 Kwazulu-Nat	hristiana Die	rehospita		3					
North West Christiana, Cl Beef: 3 Free State Hertzogville, Sheep: 2 Hoopstad, Ho Beef: 3 Kwazulu-Nat		_	al						
Christiana, Cl Beef: 3 Free State Hertzogville, Sheep: 2 Hoopstad, Ho Beef: 3 Kwazulu-Nat		_	al						
Beef: 3 Free State Hertzogville, Sheep: 2 Hoopstad, Ho Beef: 3 Kwazulu-Nat		_	al						
Free State Hertzogville, Sheep: 2 Hoopstad, Ho Beef: 3 Kwazulu-Nat	Hertzogville								
Hertzogville, Sheep: 2 Hoopstad, Ho Beef: 3 Kwazulu-Nat	Hertzogville								
Sheep: 2 Hoopstad, Ho Beef: 3 Kwazulu-Nat	Hertzogville								
Hoopstad, Ho Beef: 3 Kwazulu-Nat		Diereklin	iek						
Beef: 3 Kwazulu-Nat									
Kwazulu-Nat	oopstad Diere	ekliniek							
	-1								
		un Vot Cii	nic						
Camperdown Beef: 1	n, Camperdov	vii vet CII	IIIC						
	court Vot Clir	nic .							
Beef: 1	court Vet Clir	iiC							
Vryheid, Vryh	heid Privaat V	/ooartso							
Beef: 3	iciu Filvaat v	recai ise							
Western Cap	e								
	rge Animal Ho	ospital							
Beef: 3	. g								
Northern Cap	ре								
Kimberley, Ki		rekliniek							
Beef: 3									
Postmasburg	j, Postmasbu	rg Dierekl	iniek						
Goat: 2									
Rota virus	;								^
PROVINCE N	Mpumalanga	Gauteng	Limpopo	North West	Free State		Eastern Cape	Western Cape	Northern Cape
Average								1.0 (1)	
Level of imporreported	tance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than :	LO cases
Dairy								1.0(1)	
Western Cape									
Darling, Tyge	erberg Diereh	ospitaal [Darling						
Dairy: 1									
Poisoning	gs (Plant)	and Fu	ngal						
Cardiac gl	ycoside po	isoning							^
PROVINCE N	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape



Sheep							1.0 (1)	2.0 (1)	
Eastern Cap	e								
lumansdor	p, Humansdor	p Veterina	ary Clinic						
Sheep: 1									
Western Ca									
	Riversdal Dier	ekliniek							
Sheep: 2									
Facial ecz	zema								_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average								3.0 (2)	
Level of impo	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Sheep								3.0 (2)	
Western Ca									
	jerberg Diereh	ospitaal [Darling						
Sheep: 3									
	Wellington Di	erehospit	aal						
Sheep: 3	-photosensitivity	,							
stelleliboscii '	-priotoserisitivity	/							
Gifblaar									_
									_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
	Mpumalanga	Gauteng 2.0 (1)	Limpopo						
Average Level of impo	Mpumalanga ortance scale: 1	2.0 (1)		West	State	Natal	Cape	Cape	Cape
Average Level of imporeported		2.0 (1)		West	State	Natal	Cape	Cape	Cape
Average Level of imporeported Beef		2.0 (1) = one case		West	State	Natal	Cape	Cape	Cape
Average Level of impore reported Beef Gauteng Bronkhorsts		2.0 (1) = one case 2.0 (1)	e, 2 = more	West	State	Natal	Cape	Cape	Cape
Average Level of imporeported Beef Gauteng	ortance scale: 1	2.0 (1) = one case 2.0 (1)	e, 2 = more	West	State	Natal	Cape	Cape	Саре
Average Level of impore reported Beef Gauteng Bronkhorsts Beef: 2 Lantana	ortance scale: 1	2.0 (1) = one case 2.0 (1) aat Dierel	e, 2 = more kliniek	West	State	wit less than t	Cape	Cape	Саре
Average Level of impore reported Beef Gauteng Bronkhorsts Beef: 2 Lantana	ortance scale: 1	2.0 (1) = one case 2.0 (1) aat Dierel	e, 2 = more kliniek	than on	e case b	wit less than t	en and 3 =	more than Western	Cape 10 cases Northern
Average Level of impore reported Beef Gauteng Bronkhorsts Beef: 2 Lantana PROVINCE Average Level of impore	ortance scale: 1 spruit, Kerkstr Mpumalanga	2.0 (1) = one case 2.0 (1) aat Dierel	e, 2 = more kliniek Limpopo 2.0 (1)	west than on	e case b	Natal ut less than to the less than the less than to the	en and 3 = Eastern Cape	Mestern Cape	Cape 10 cases Northern Cape
Average Level of imporeported Beef Gauteng Bronkhorsts Beef: 2 Lantana PROVINCE Average	ortance scale: 1 spruit, Kerkstr Mpumalanga 2.0 (1) ortance scale: 1	2.0 (1) = one case 2.0 (1) aat Dierel	e, 2 = more kliniek Limpopo 2.0 (1) e, 2 = more	west than on	e case b	Matal ut less than to the second sec	en and 3 = Eastern Cape	Mestern Cape	Cape 10 cases Northern Cape
Average Level of impore reported Beef Bauteng Bronkhorsts Beef: 2 Lantana PROVINCE Average Level of impore reported	ortance scale: 1 Spruit, Kerkstr Mpumalanga 2.0 (1)	2.0 (1) = one case 2.0 (1) aat Dierel	e, 2 = more kliniek Limpopo 2.0 (1)	west than on	e case b	Natal ut less than to the less than the less than to the	en and 3 = Eastern Cape	Mestern Cape	Cape 10 cases Northern Cape

Nelspruit, Nelspruit Animal Hospital Beef: 2 Limpopo **Tzaneen, ZZ2 Farm Practice** Beef: 2 Same camp when you move cows into camp they also got Lantana poisoning Kwazulu-Natal Camperdown, Camperdown Vet Clinic **Dundee, Endumeni Herd health** Beef: 2 **Lupine Poisoning** North **Free** Kwazulu-Eastern Western Northern **PROVINCE Mpumalanga Gauteng Limpopo** West Natal Cape Cape State Cape 3.0(1) **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** 3.0(1)Kwazulu-Natal Vryheid, Vryheid Privaat Veeartse Beef: 3 **Seneciosis** North Kwazulu- Eastern Western **Northern** Free **PROVINCE Mpumalanga Gauteng Limpopo** West State Natal Cape Cape Cape 1.0 **Average** (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 Beef (1) Free State Ladybrand, Ladybrand Beef: 1 **Tulip Poisoning** Kwazulu-Free Western Northern North Eastern **PROVINCE Mpumalanga Gauteng Limpopo** West State Natal Cape Cape Cape 1.0 **Average** 2.0(3)3.0(1)2.2(6)2.0(1)2.5(2)(1)Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef	2.0 (3)		3.0 (1)	1.0 (1)	2.2 (6)			
Dairy						2.0 (1)	2.5 (2)	
Apumalang								
irmelo, Mô	regloed Veteri	inêre Spreekkamer	•					
Beef: 1								
Standerton	, Econovet							
Beef: 2								
/olksrust, (Cape Cross Vol	ksrust Dierehospit	aal					
Beef: 3								
North West								
	, Buffeldoorn D	Dierehospitaal						
Beef: 3								
Cattle bough	t in							
Free State								
	Oosvrystaat Di	iere Produkte						
Beef: 1								
(wazulu-N								
	ergville Veteri	nary Clinic						
Beef: 2		-						
	ugela Vet Clini	IC						
Beef: 2	dumani Hard I	haalih						
Beef: 3	dumeni Herd l	neartn						
	Mooirivier Ve	t Clinia						
Hooi River, Beef: 1	Modifivier ve	t Clinic						
	Underberg Ve	eterinary Surgery						
Beef: 3	Olider beig ve	ctermary Surgery						
	yheid Privaat \	Veeartse						
Beef: 2	yncia i rivaac (vecui ese						
Eastern Ca _l	ne							
		eterinary Clinic						
Dairy: 2	ast, bosserg t	ccerniary cirrie						
Western Ca	nne							
	verberg Veteri	nary Hospital						
Dairy: 3		у 1100р11ш.						
	n, Swellendam	Dierehospitaal						
Dairy: 2	,							
Vermeer	siekte (<i>Gaig</i>	<i>geria</i> spp.)						_
PROVINCE	Mpumalanga	Gauteng Limpopo	North	Free	Kwazulu-	Eastern	Western	Northern
	- pgu		West	State	Natal	Cape	Cape	Cape
_	2.0.(1)			1.0				
Average	2.0 (1)			(1)				
Level of imp reported	ortance scale: 1	= one case, 2 = mo	re than or	ne case b	out less than t	en and 3 =	more than	10 cases
Sheep	2.0 (1)			1.0 (1)				

Sheep: 2									
Free State									
Ladybrand,	Ladybrand								
Sheep: 1									
Mycotoxi	cosis								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average								2.5 (2)	
Level of importance scale: $1 = $ one case, $2 = $ more than one case but less than ten and $3 = $ more than 10 cases reported									
Dairy								2.5 (2)	
Western Ca	pe								
Darling, Tyg	jerberg Diereh	nospitaal [Darling						
Dairy: 3	. Malar 1	Diam-t-							
	y, Malmesbury	Dierehos	pitaal						
Dairy: 2									
Diplodios	sis								_
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 impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Beef	2.0 (1)								
Sheep					1.0 (1)				
Mpumalang	ja .								
Standerton,	Econovet								
Beef: 2									
Free State	ocolan Dierek	liniek							
Sheep: 1	Journ Dielek								
Other									_
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 on	e case b	ut less than t	en and 3 =	more than	10 cases
Dairy							1.0(1)		
							1.0 (1)		

Sheep 2.0 (1)

Eastern Cape

Humansdorp, Humansdorp Veterinary Clinic

Dairy: 1

Tannins: Hypoproteinaemia: Beef herd, severe drought, being fed grass hay, citrus pulp and licks. Poor feeding procedure, timid animals effectively starved. Tannic acid poisoning, the animals are being forced by hunger to eat rooikrans and fynbos. Helminth infestation - Leaking water troughs, limited pasture under pivot being grazed very short, hypoproteinaemia due to high internal parasite load and nephrosis caused by tannins

Western Cape

Vredenburg, Vredenburg Dierehospitaal

Sheep: 2

Turksnaald - photosensitivity

Poisonings Urea Poisoning Kwazulu-Eastern Western Northern North Free **PROVINCE Mpumalanga Gauteng Limpopo** West State Natal Cape Cape Cape 1.0 (1) 1.5 (2) 2.0(1)**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	1.0(1)	1.5 (2)	3.0 (1)	2.0 (1)
			\ - /	

Limpopo

Polokwane, Pietersburg Veterinary Clinic

Beef: 1
North West

Christiana, Christiana Dierehospitaal

Beef: 2

Ventersdorp, Ventersdorp Dierekliniek

Beef: 1 Free State

Frankfort, Frankfort Dierekliniek

Beef: 3

Kwazulu-Natal

Dundee, Endumeni Herd health

Beef: 2

Snake Bite								^	
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 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)

Western Cape Caledon, Overberg Veterinary Hospital Beef: 1 **Northern Cape** Kuruman, Kuruman Dierekliniek Beef: 2 **Copper Poisoning** North Free Kwazulu-Eastern Western **Northern PROVINCE Mpumalanga Gauteng Limpopo** West State Natal Cape Cape Cape 3.0(1)3.0 (1) **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 3.0(1)3.0(1)**North West** Leeudoringstad, Leeudoringstad Dierekliniek Sheep: 3 **Northern Cape** De Aar, De Aar Veterinary Clinic Sheep: 3 Geelsiekte **Chemical products** North Free Kwazulu-Eastern Western Northern **PROVINCE Mpumalanga Gauteng Limpopo** West State Natal Cape Cape Cape 2.0(1) 1.0(1) **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** 2.0(1)1.0(1)**Mpumalanga** Grootvlei, Grootvlei Dierekliniek Beef: 2 Gauteng Hammanskraal, Themba Animal Clinic Beef: 1 Other North Free Kwazulu-Eastern Western **Northern PROVINCE Mpumalanga Gauteng Limpopo** West State Natal Cape Cape Cape 20 1.0(1)3.0(1) **Average** (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)				
Sheep						_	1.0(1)		3.0 (1)
Free State									
Viljoenskro	on, Viljoenskr	oon Dierel	kliniek						
Beef: 2									
Lead									
Eastern Cap									
	n, Queenstow	n Provinci	al Vet Lab						
Sheep: 1 Multimin ove	rdoco								
Northern C									
	ape Aar Veterinary	Clinic							
Sheep: 3	Adi Vetermary	Cillic							
	es at abattoir								
Ma ava N		Due le Leve							
macro N	lutritional I	robien	IS						
Energy d	eficiency								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.3 (3)			2.0 (1)	2.0 (2)	2.0 (2)	3.0 (1)	2.3 (4)	
Level of impreported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	out less than t	en and 3 =	more than	10 cases
Beef	1.5 (2)			2.0(1)		2.0 (2)		2.0(1)	
Dairy							3.0 (1)	3.0 (1)	
Sheep	1.0 (1)				2.0 (2)		3.3 (3)	2.0 (2)	
Mpumalang	ıa								
	lfour Diereklin	iek							
Beef: 1, Shee	ep: 1								
Nelspruit, N	Nelspruit Anim	al Hospita	l						
Beef: 2									
North West									
	g, Bergbos Die	rekliniek							
Beef: 2									
Free State	e, Hertzogville	Diereklin	iok						
Sheep: 2	c, rici tzogvine	DICICKIIII	ick						
	land Dierehos	pitaal							
Sheep: 2									
Kwazulu-N									
	vn, Camperdov	wn Vet Cli	nic						
Beef: 1									
	Underberg Ve	terinary S	urgery						
Beef: 3	••								
Eastern Cap	pe , Alexandria Pl	attoland S	nrookkam	or					
Alexaliui la,	AICAGIIUI IA PI	accially 3	hi cevraii	ıcı					

Dairy: 3									
Western Cap									
Malmesbury	, Malmesbury	Dierehos	pitaal						
	: 3, Sheep: 2								
	Riversdal Dier	ekliniek							
Sheep: 2									
Protein d	eficiency								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.3 (3)			1.3 (3)			3.0 (2)	2.0 (3)	2.0 (3)
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than to	en and 3 =	more than	10 cases
Beef	1.5 (2)			2.0(1)			3.0 (1)	2.0 (1)	
Dairy							3.0 (1)		2.0 (1)
Sheep	1.0(1)			1.0(1)				2.0 (2)	2.0 (1)
Goat				1.0(1)					2.0 (1)
Mpumalang									
	four Diereklin	iek							
Beef: 1, Shee			_						
	elspruit Anima	al Hospita							
Beef: 2 North West									
	, Bergbos Dier	okliniok							
Beef: 2, Shee		ekiiiiek							
Eastern Cap									
<u>.</u>	Alexandria Pla	atteland S	nreekkam	er					
Dairy: 3	Alexandra	accelana S	preekkam						
	p, Humansdor	p Veterina	arv Clinic						
Beef: 3	, ,		,						
Hypoproteina	emia : Beef her	d, severe d	rought,bein	g fed gra	ass hay,	citrus pulp an	d voermol.	Poor feedin	g
. ,	nid animals effe	•			٠,			•	-
	fynbos. Helmin							vot being gr	azed very
	oteinaemia due	to high int	ernal parasi	te load a	nd neph	rosis caused	by tannins		
Western Ca		Diameter.	!!						
	, Malmesbury	Dierenos	pitaai						
Beef: 2, Shee	p: 2 Riversdal Die r	akliniak							
Sheep: 2	riveisuai Dier	CKIIIIICK							
Northern Ca	ne								
	g, Postmasbu	ra Dierekl	iniek						
	ep: 2, Goat: 2	J = 10. 0.K.							
	e deficiency	/							<u>^</u>
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape

3.0 (1)

Average

2.0(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

reported									
Beef				3.0(1)					1.0(1)
Dairy					_		2.0 (1)		
North West									
Christiana.	Christiana Die	rehospita	al						
Beef: 3	·····	. C.1.00 p.100							
Eastern Cap	<u> </u>								
	,, Cape Cross \	/otorinan	Hosnital						
Dairy: 2	, cape cross	vetermar y	riospitai						
Northern Ca	no								
	uruman Diere	kliniak							
Beef: 1	uruman Diere	KIIIIICK							
beer. 1									
Calcium o	deficiency								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)	1.0 (1)			2.0 (1)	2.0 (2)	1.0 (1)	1.9 (7)	
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Beef	1.0(1)					2.0 (1)		1.5 (2)	
Dairy								2.3 (3)	
Sheep					2.0 (1)	2.0 (1)	1.0 (1)	1.5 (2)	
Goat		1.0 (1)				•			
Mpumalang	а								
Balfour, Bal	four Diereklin	iek							
Beef: 1									
Gauteng									
Hammanskı	raal, Themba A	Animal Cli	nic						
Goat: 1	•								
Free State									
Reitz, Riem	land Dierehos	pitaal							
Sheep: 2									
Kwazulu-Na	ital								
	Underberg Ve	terinary S	urgery						
Beef: 2, Shee		-							
Eastern Cap									
	Witelsbos Vete	erinary Co	nsulting R	ooms					
Sheep: 1									
Western Ca	pe								
	est, Beaufort [Diereklinie	ek						
Beef: 1	,								
	erberg Veteri	nary Hosn	ital						
Dairy: 2		,эр							
	, Dr Otto Krie	k							
Sheep: 1	,, =: = =====								
C.100p1 1									

Beef: 2, Dairy Riversdale,	y, Malmesbury y: 3, Sheep: 2 Riversdal Dier		pitaal						
Dairy: 2 Micro Nu	ıtritional P	roblem	S						
Copper de	eficiency								<u>^</u>
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 on	e case b	ut less than t	en and 3 =	more than	10 cases
Sheep				1.0(1)					
North West									
	Klerksdorp Di	erehospit	aal						
Selenium	deficiency								<u>^</u>
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average				2.0 (1)			3.0 (1)	1.0 (1)	
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Dairy							3.0 (1)	1.0 (1)	
Sheep				2.0(1)					
North West									
Christiana,	Christiana Die	rehospita	al						
Sheep: 2									
Eastern Cap		otorinary	Clinic						
Dairy: 3	ast, Bosberg V	есегшагу	CITIIC						
	rom primiparou	s cows sho	wing poor g	rowth ar	nd diseas	se susceptibili	ty		
Western Ca									
	erberg Dierel	nospitaal [Darling						
Dairy: 1									
Iodine de	ficiency								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average							2.0 (1)		
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases

Dairy							2.0 (1)		
Eastern Cap	e								
_	, Cape Cross \	/eterinary	/ Hospital						
Dairy: 2	·		. <u> </u>						
Vitamin A	deficiency								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average				2.0 (2)				2.0 (1)	
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than 1	10 cases
Beef				3.0 (1)					
Sheep				1.0(1)				2.0(1)	
North West									
	Christiana Die	rehosnita	al						
Beef: 3		. CC. p	~ ·						
	Klerksdorp Di	erehospit	aal						
Sheep: 1	Mer Model p 2.	C. CCopic							
Western Ca	pe								
	erberg Veterii	narv Hosp	ital						
Sheep: 2		,оор							
Vitamin E	3 deficiency								<u>^</u>
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average						2.0 (2)		2.0 (3)	
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than 1	10 cases
Beef						2.0 (1)		2.0 (1)	
Sheep						2.0 (1)		2.0 (2)	
Kwazulu-Na	ntal								
Bergville, Tu	ugela Vet Clini	С							
Beef: 2									
Vitamin B 1 d	leficiency								
Sheep: 2									
Vitamin B 1 d	leficiency								
Western Ca									
	,, Malmesbury	Dierehos	pitaal						
Beef: 2, Shee									
	, Vredenburg	Dierehosp	oitaal						
Sheep: 2									
Vitamin B 1 d	leficiency								
Multi-fac	ctorial Dise	ease Co	nditions						

Abortions	S								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.6 (5)			3.0 (2)	2.2 (5)	1.7 (6)	2.5 (2)	2.5 (4)	3.0 (2)
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Beef	1.8 (4)			3.0 (1)	2.0 (4)	1.8 (5)	3.0 (1)		
Dairy								2.3 (3)	
Sheep	1.0 (1)			3.0 (1)	3.0 (1)		2.0 (1)		3.0 (1)
Goat					•	1.0(1)			3.0 (1)
Beef: 2 Lydenburg, Beef: 3 Middelburg Beef: 1, Shee Volksrust, C Beef: 1 North West Christiana, Beef: 3, Shee Free State Hoopstad, H	Lydenburg Die , Middelburg I ep: 1 Cape Cross Vol Christiana Die ep: 3	erespreek Dierehosp ksrust Die rehospita ekliniek	itaal erehospita al	al					
Ladybrand, Beef: 1 Winburg, W Beef: 2 Kwazulu-Na	inburg Dierek								
Beef: 2 Camperdow	ergville Veteri vn, Camperdov								
Beef: 2	dumeni Herd l Mooirivier Vel								
Beef: 1	Mtubatuba Ai		ic						
	Underberg Ve	terinary S	Surgery						
Luster II Cap									

Cofimvaba, State Vet Cofimvaba Sheep: 2 **Humansdorp, Humansdorp Veterinary Clinic** Beef: 3 **Western Cape Beaufort West, Beaufort Dierekliniek** Sheep: 3 Case still under investigation. Farmer had lambing failure although ewes were scanned pregnant **Caledon, Caledon Dierekliniek** Dairy: 2 Malmesbury, Dr Otto Kriek Dairy: 2 **Swellendam, Swellendam Dierehospitaal** Dairy: 3 **Northern Cape** Postmasburg, Postmasburg Dierekliniek Sheep: 3, Goat: 3 **Stillbirths** North Free Kwazulu-Eastern Western Northern **PROVINCE Mpumalanga Gauteng Limpopo** West State Natal Cape Cape Cape 2.3 2.0(1)2.0(1)2.0(1)**Average** (3) 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 **Beef** 2.0(1)(1) 2.0 Sheep 2.0(1)(2) Goat 2.0(1)**Mpumalanga Nelspruit, Nelspruit Animal Hospital** Goat: 2 **Free State Hoopstad, Hoopstad Dierekliniek** Beef: 3, Sheep: 3 Wesselsbron, Wesselsbron Dierekliniek Sheep: 1 **Kwazulu-Natal** Bergville, Bergville Veterinary Clinic Beef: 2 **Western Cape**

Combination of stillbirths and resorbtions (Disappearance of foetus between scanning and lambing)

Beaufort West, Beaufort West State Vet

Sheep: 2

Abscesses

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.4 (5)	1.0 (1)		2.0 (1)	2.0 (2)	1.5 (2)	1.0 (1)	1.8 (5)	
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Beef	1.5 (4)			2.0 (1)	2.0 (1)	1.5 (2)		2.0 (1)	
Dairy								1.7 (3)	
Sheep	1.0 (1)				2.0 (1)		1.0 (1)	2.0 (1)	
Goat		1.0(1)							

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Ermelo, Môregloed Veterinêre Spreekkamer

Beef: 2, Sheep: 1

Grootvlei, Grootvlei Dierekliniek

Beef: 2

Piet Retief, Pets Vet Hospital

Beef: 1
Gauteng

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Goat: 1
North West

Ventersdorp, Ventersdorp Dierekliniek

Beef: 2 Free State

Ficksburg, Oosvrystaat Diere Produkte

Sheep: 2

Winburg, Winburg Dierekliniek

Beef: 2

Kwazulu-Natal

Mooi River, Mooirivier Vet Clinic

Beef: 2

Pongola, Pongola Animal Clinic

Beef: 1

Eastern Cape

Queenstown, Queenstown Provincial Vet Lab

Sheep: 1

Western Cape

Malmesbury, Dr Otto Kriek

Dairy: 1

Contaminated needles being inserted into bottles especially as is the case with the use of oxytocin is a problem on a few farms. Hypodermic needles are cheap enough in order to enforce the use of one needle per animal!

Malmesbury, Invitrotech

Dairy: 1

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3, Sheep: 2

Abscesse	s in general								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)	2.0 (2)	2.0 (1)			2.0 (1)	1.0 (1)	1.8 (5)	2.0 (1)
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than :	10 cases
Beef		3.0 (1)	2.0 (1)			2.0(1)		2.0 (1)	
Dairy			2. 0 (1)			2.0 (1)	1.0 (1)		
Sheep	1.0 (1)						1.0 (1)	· · · /	2.0 (1)
-	1.0 (1)	1.0.(1)						2.0 (1)	2.0 (1)
Goat		1.0 (1)							
Mpumalang									
	hal Diereklinie	k							
Sheep: 1									
Gauteng									
	raal, Themba A	Animal Cli	nic						
Beef: 3, Goat	:: 1								
Limpopo									
	Dr Henk Visse	r							
Beef: 2									
Kwazulu-Na			-						
	Mtubatuba Ar	nımai Clin	IC						
Beef: 2									
Eastern Cap			ol						
	ast, Bosberg V	eterinary	Clinic						
Dairy: 1									
Western Ca		!!							
	orge Animal H	ospitai							
Dairy: 1	. Malmaahum	Diarahaa							
	y, Malmesbury	Dierenos	рісааі						
	y: 2, Sheep: 2 n , Swellendam	Dioroboo	nitaal						
Dairy: 2	ii, Swellellualli	Dicienos	pitaai						
Northern Ca	ano								
	Karoo Veterina	arv Hosnit	al						
Sheep: 2	itai oo vetei iiit	ary mospic	·						
	rium abscesses								
Bladder s									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average		1.0 (1)				1.0 (1)		2.0 (1)	2.0 (1)

		` ′		` ´		` ′	ì
Level of impreported	ortance scale: 1	= one case	e, 2 = more than one case b	ut less than te	en and 3 =	more than 1	LO cases

Beef			2.0(1)	
Sheep	1.0(1)	1.0 (1)		2.0 (1)

Gauteng									
	ima Veterinar	y Consult	ing Rooms	5					
Sheep: 1									
Kwazulu-Na									
	tcourt Vet Clir	nic							
Sheep: 1									
Western Ca	ре								
Malmesbur	y, Malmesbury	Dierehos	pitaal						
Beef: 2									
Northern Ca	аре								
Colesberg,	Karoo Veterina	ary Hospit	:al						
Sheep: 2									
Dorper rams	- urolithiasis								
Blindness									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average		1.0 (1)				2.0 (1)		2.0 (1)	1.0(1)
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Dairy								2.0 (1)	
Sheep									1.0(1)
Goat		1.0(1)				2.0 (1)			
Gauteng									
Hammansk	raal, Themba <i>l</i>	Animal Cli	nic						
Goat: 1									
Kwazulu-Na	atal								
Estcourt, Es	tcourt Vet Clir	nic							
Goat: 2									
Western Ca	pe								
	, Malmesbury	Dierehos	pitaal						
Dairy: 2	,, · · · · · · .		•						
Northern Ca	ape								
	uruman Diere	kliniek							
Sheep: 1									
Bloat									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					1.8 (4)		1.0 (1)	1.8 (5)	
Level of imporeported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Beef					2.0 (3)		1.0 (1)	2.0 (1)	
Dairy								1.7 (3)	

Sheep					1.0 (1)			2.0 (1)	
Free State									
Clocolan, Cl	ocolan Dierek	liniek							
Beef: 2									
Ficksburg, (Dosvrystaat Di	ere Produ	ıkte						
Beef: 2									
Soya bean re									
	Ladybrand								
Sheep: 1									
	land Dierehos	pitaal							
Beef: 2									
Eastern Cap									
Riexandria, Beef: 1	Alexandria Pla	atteiana S	ргееккат	ier					
Nestern Ca	no								
	pe /erberg Veteri:	nary Hoen	ital						
Dairy: 2	reibeig veterii	нагу позр	ıcaı						
	y, Malmesbury	Dierehos	nitaal						
Beef: 2, Dairy		J.C. C1103	present						
	Riversdal Dier	ekliniek							
Dairy: 1, She									
	t (sheep and	d goat)							_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	ortance scale: 1	= one case	e. 2 = more	than on	e case b	ut less than t	en and 3 =	more than	3.0 (1)
reported	ortanice scarci i	one case	o, 2o.c	, criair ori		ac 1655 thair c		more than	10 00000
Sheep									3.0 (1)
Northern Ca	аре								
	Kuruman Diere	kliniek							
Sheep: 3									
Blue udd	er								_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					1.4 (5)	1.0 (1)	1.0 (1)	1.5 (2)	
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Beef						1.0(1)			
							1.0(1)		
Dairy							1.0 (1)		

Free State										
Clocolan, Clocolan Dierekliniek										
Sheep: 2										
Hoopstad, Hoopstad Dierekliniek										
Sheep: 1										
Kroonstad, Kroonstad Dierehospitaal										
Sheep: 2										
Ladybrand, Ladybrand										
Sheep: 1										
Wesselsbron, Wesselsbron Dierekliniek										
Sheep: 1										
Kwazulu-Natal										
Bergville, Bergville Veterinary Clinic										
Beef: 1										
	Eastern Cape									
	ast, Bosberg V	eterinary	Clinic							
Dairy: 1										
Western Ca										
	y, Malmesbury	Dierehos	pitaal							
Sheep: 2										
	Riversdal Die	rekliniek								
Sheep: 1										
Diarrhoea	a								^	
									_	
PROVINCE	Mpumalanga	Gauteng	Limpopo	North		Kwazulu-	Eastern	Western	Northern	
			• •	West	State	Natai	Cape	Cape	Cape	
Average	2.2 (6)	1.5 (2)			2.4	2.2 (6)	1.0 (2)	1.9 (7)	3.0 (1)	
ege	2.2 (0)	1.5 (2)			(9)	2.2 (0)	1.0 (2)	1.7 (7)	3.0 (1)	
	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and $3 =$	more than :	10 cases	
reported										
					2.3					
Beef	2.2 (5)	2.0 (1)								
		2.0 (1)				2.2 (5)	1.0 (1)	2.0(1)		
	()	2.0 (1)			(3)	2.2 (5)	1.0 (1)	2.0 (1)		
Dairy		2.0 (1)				2.2 (5)	` ´			
Dairy		2.0 (1)			(3)	2.2 (5)	1.0 (1)	2.0 (1)		
Dairy		2.0 (1)			(3) 2.0 (2)	2.2 (5)	` ´			
Dairy Sheep		2.0 (1)			(3) 2.0 (2) 2.8	2.2 (5)	` ´			
•	2.0 (1)				(3) 2.0 (2)		` ´			
•		1.0 (1)			(3) 2.0 (2) 2.8		` ´		3.0 (1)	
Sheep Goat	2.0 (1)				(3) 2.0 (2) 2.8		` ´		3.0 (1)	
Sheep Goat Mpumalang	2.0 (1)	1.0 (1)			(3) 2.0 (2) 2.8		` ´		3.0 (1)	
Sheep Goat Mpumalang	2.0 (1)	1.0 (1)			(3) 2.0 (2) 2.8		` ´		3.0 (1)	
Sheep Goat Mpumalang Balfour, Bal Beef: 3	2.0 (1) a four Diereklin	1.0 (1)	ekkamer		(3) 2.0 (2) 2.8		` ´		3.0 (1)	
Sheep Goat Mpumalang Balfour, Bal Beef: 3	2.0 (1)	1.0 (1)	ekkamer		(3) 2.0 (2) 2.8		` ´		3.0 (1)	
Sheep Goat Mpumalang Balfour, Bal Beef: 3 Ermelo, Môn Beef: 3	2.0 (1) a four Diereklin regloed Veteri	1.0 (1) iek nêre Spre	ekkamer		(3) 2.0 (2) 2.8		` ´		3.0 (1)	
Sheep Goat Mpumalang Balfour, Bal Beef: 3 Ermelo, Môn Beef: 3	2.0 (1) a four Diereklin	1.0 (1) iek nêre Spre	ekkamer		(3) 2.0 (2) 2.8		` ´		3.0 (1)	
Sheep Goat Mpumalang Balfour, Bal Beef: 3 Ermelo, Môi Beef: 3 Grootvlei, G Beef: 2	2.0 (1) a four Diereklin regloed Veteri	1.0 (1) iek nêre Spre kliniek			(3) 2.0 (2) 2.8		` ´		3.0 (1)	
Sheep Goat Mpumalang Balfour, Bal Beef: 3 Ermelo, Môi Beef: 3 Grootvlei, G Beef: 2	2.0 (1) a four Diereklin regloed Veteri irootvlei Diere	1.0 (1) iek nêre Spre kliniek			(3) 2.0 (2) 2.8		` ´		3.0 (1)	
Sheep Goat Mpumalang Balfour, Bal Beef: 3 Ermelo, Môn Beef: 3 Grootvlei, G Beef: 2 Lydenburg, Beef: 2	2.0 (1) a four Diereklin regloed Veteri irootvlei Diere	1.0 (1) iek nêre Spre kliniek erespreek	kamer		(3) 2.0 (2) 2.8		` ´		3.0 (1)	
Sheep Goat Mpumalang Balfour, Bal Beef: 3 Ermelo, Môn Beef: 3 Grootvlei, G Beef: 2 Lydenburg, Beef: 2	2.0 (1) a four Diereklin regloed Veteri rootvlei Diere Lydenburg Di	1.0 (1) iek nêre Spre kliniek erespreek	kamer		(3) 2.0 (2) 2.8		` ´		3.0 (1)	
Sheep Goat Mpumalang Balfour, Bal Beef: 3 Ermelo, Môn Beef: 3 Grootvlei, G Beef: 2 Lydenburg, Beef: 2 Middelburg	2.0 (1) a four Diereklin regloed Veteri irootvlei Diere Lydenburg Di	1.0 (1) iek nêre Spre kliniek erespreek	kamer		(3) 2.0 (2) 2.8		` ´		3.0 (1)	

Sheep: 2									
Gauteng									
	raal, Themba <i>l</i>	Animal Cli	nic						
Beef: 2, Goat	•	illillai Gil							
Free State	. 1								
	ocolan Dierek	liniak							
		IIIIEK							
	/: 2, Sheep: 3	D	1.4						
	Dosvrystaat Di	ere Proau	kte						
Beef: 2									
	loopstad Diere	ekliniek							
Beef: 3, Shee			_						
	Kroonstad Die	rehospita	al						
Dairy: 2, She									
	on, Viljoenskro	oon Dierel	kliniek						
Sheep: 3									
Kwazulu-Na	ital								
Bergville, To	ugela Vet Clini	С							
Beef: 2, Shee	p: 2								
Camperdow	n, Camperdov	vn Vet Cli	nic						
Beef: 1									
Dundee, En	dumeni Herd h	nealth							
Beef: 3									
Mooi River,	Mooirivier Vet	Clinic							
Beef: 2									
	Underberg Ve	terinary S	uraerv						
Beef: 3		, ,	y ,						
Eastern Cap	ie								
_	State Vet Cofi	mvaha							
Beef: 1	State Vet Con	IIIVaba							
	p, Humansdor	n Votorin:	ny Clinic						
Dairy: 1	p, mamansuoi	P Veterini	ary Cirric						
Western Ca	no								
		miak							
•	ledon Dierekli	піек							
Dairy: 2	. D., OH., V.,:	1.							
	,, Dr Otto Krie	K							
Dairy: 1									
	, Invitrotech								
Dairy: 1									
	,, Malmesbury	Dierehos	pitaal						
Beef: 2, Dairy									
	Riversdal Dier	ekliniek							
Dairy: 2									
Swellendan	ı, Swellendam	Dierehos	pitaal						
Dairy: 2									
Northern Ca	ре								
Postmasburg, Postmasburg Dierekliniek									
Goat: 3									
Epididym	itis								^
PROVINCE	Mpumalanga	Gautena	Limpopo	North	Free	Kwazulu-	Eastern	Western	Northern
			4 24 2	West	State	Natal	Cape	Cape	Cape

					2.0				
Average	2.0 (1)				(1)			1.5 (2)	
					(1)				
Level of impo	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than :	10 cases
reported									
	2 0 (1)				2.0			1.5 (0)	
Sheep	2.0 (1)				(1)			1.5 (2)	
Mpumalang	ia								
	regloed Veteri	nêre Spre	ekkamer						
Sheep: 2	_								
Free State									
	gepoort Diere	kliniek Ve	nnootskap)					
Sheep: 2									
Western Ca	pe y, Malmesbury	Dioroboo	nitaal						
Sheep: 2	y, Maillesbui y	Diciellos	pitaai						
	Riversdal Die	rekliniek							
Sheep: 1									
	22								
Eye Canc	er								
				North	Eroo	Kwazulu-	Eactorn	Western	Northern
PROVINCE	Mpumalanga	Gauteng	Limpopo	West		Natal	Cape	Cape	Cape
					1.5				
Average	1.0(1)				(4)	2.0(1)	2.0 (1)	2.0 (3)	
					(4)				
Level of impo	ortance scale: 1	= one case	e. 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
reported			,						
					1.0				
Beef	1.0(1)							2.0(1)	
					(1)				
Dairy					1.5	2.0(1)	2.0 (1)	2.0 (2)	
,					(2)	2.0 (1)	2.0 (1)	2.0 (2)	
Chaon					2.0				
Sheep					(1)				
Mpumalang	ıa								
	regloed Veteri	nêre Spre	ekkamer						
Beef: 1									
Free State									
	ocolan Dierek	liniek							
Dairy: 2	Hoopstad Dier	okliniok							
Beef: 1	loopstau Diere	CKIIIICK							
	Kroonstad Die	rehospita	al						
Dairy: 1									
	nel Veterinary	Clinic							
Sheep: 2									
Kwazulu-Na									
	dumeni Herd l	nealth							
Dairy: 2 Eastern Cap									
	10								

	Alexandria Pla	atteland S	preekkam	ner					
Dairy: 2									
Western Ca		Dioroboo	nitaal						
Beef: 2, Dair	y, Malmesbury	Diereilos	pitaai						
	y. 2 n, Swellendam	Dierehos	nitaal						
Dairy: 2	ii, Swellendam	Dicicios	pitaai						
Eye infec	tions								^
									_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)			3.0 (1)	2.5 (2)	2.0 (6)		2.0 (4)	1.7 (3)
Level of impreported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than :	10 cases
Beef	1.0 (1)			3.0 (1)	2.5 (2)	2.0 (5)		2.0 (1)	1.0 (1)
Dairy								2.0 (2)	
Sheep						2.0(1)		2.0 (1)	2.0(1)
Goat									2.0 (1)
Mpumalang	12								_, (-)
	regloed Veteri	nêre Spre	ekkamer						
Beef: 1									
North West									
	Christiana Die	rehospita	al						
Beef: 3									
Free State									
Beef: 2	locolan Dierek	liniek							
	/inburg Dierek	liniak							
Beef: 3	rilibuly bielek	iiiick							
Kwazulu-Na	atal								
	ergville Veteri	nary Clini	С						
Beef: 2									
	ugela Vet Clini	ic							
Beef: 2, Shee									
	Mooirivier Vet	t Clinic							
Beef: 2	Mauhatuka	nimal Cli	i.a						
Mtubatuba, Beef: 2	, Mtubatuba Aı	nimai Ciin	IC						
	Underberg Ve	terinary 9	Surgery						
Beef: 2	onder beig ve	.comary s	ui gei y						
Western Ca	pe								
	gerberg Diereh	nospitaal l	Darling						
Sheep: 2									
	y, Malmesbury	Dierehos	pitaal						
Beef: 2, Dair									
	n, Swellendam	Dierehos	pitaal						
Dairy: 2 Northern Ca	ane								
HOI CHELLI C	ahe								

Kimberley, Kimberley Dierekliniek Beef: 1 Kerato-conjunctivitis

Postmasburg, Postmasburg Dierekliniek

Sheep: 2, Goat: 2

Joint Ill									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.0 (1)	2.0 (2)	1.0 (1)	1.6 (5)	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. (1	2.0 (1)	1.0 (1)	2.0 (1)	
Dairy		2.0 (1)		1.5 (2)	
Sheep				2.0 (1)	
Goat				1.0 (1)	2.0 (1)

Free State

Winburg, Winburg Dierekliniek

Beef: 2

Kwazulu-Natal

Dundee, Endumeni Herd health

Beef: 2, Dairy: 2 **Eastern Cape**

Humansdorp, Humansdorp Veterinary Clinic

Beef: 1

Western Cape

Darling, Tygerberg Dierehospitaal Darling

Dairv: 1

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2, Sheep: 2

Riversdale, Riversdal Dierekliniek

Goat: 1

Northern Cape

Kuruman, Kuruman Dierekliniek

Goat: 2

Lamenes	s/Foot Prob	lems							^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)	2.0 (3)	2.0 (1)	3.0 (2)	1.8 (5)	1.3 (3)	1.0 (2)	1.9 (8)	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)	0.0.(0)	2.0.(1)	0.04	2.0	1.0 (2)	1.0 (0)	1.7.(2)	0.0.(1)
Beef	2.0 (1)	2.0 (2)	2.0 (1)	3.0 (1)	(1)	1.3 (3)	1.0 (2)	1.5 (2)	2.0 (1)
Dairy					1.0 (1)			2.0 (6)	
Sheep				3.0 (1)	2.0 (3)				
Goat		2.0 (1)							
Mpumalang									
Ermelo, Mô	regloed Veteri	inêre Spre	ekkamer						
Beef: 2									
Gauteng									
	raal, Themba	Animal Cli	nic						
Beef: 3, Goa									
	nima Veterinai	ry Consult	ing Room	S					
Beef: 1									
Limpopo									
	Dr Henk Visse	er							
Beef: 2									
North West			•						
	Christiana Die	erehospita	al						
Beef: 3, Shee	ep: 3								
Free State	la aalaw Diawal	diaial.							
	locolan Dierek	шпіек							
Dairy: 1	Occurred at D	iana Duadu	l-L-						
Beef: 2, She	Oosvrystaat D	iere Produ	kte						
Ladybrand,									
Sheep: 2	Lauybiailu								
	Rowelsfontei	n vooarts (Snrookkar	nor					
Sheep: 2	ROWCISIONIC	ii vecares :	эргесккаг	1101					
Kwazulu-Na	atal								
	ugela Vet Clin	ic							
Beef: 1	uge.u 1010								
	Mooirivier Ve	t Clinic							
Beef: 2									
Pongola, Po	ongola Animal	Clinic							
Beef: 1									
Eastern Cap	ре								
Cofimvaba,	State Vet Cof	imvaba							
Beef: 1									
	rp, Humansdoi	rp Veterina	ary Clinic						
Beef: 1									
Western Ca									
	gerberg Dierel	hospitaal [Darling						
Dairy: 1									
	y, Dr Otto Krie	ek							
Dairy: 1									
	y, Invitrotech								
Dairy: 3	_								
Twenty cases		, Dioraka	nitos!						
	y, Malmesbury	y Dierenos	pitaai						
Beef: 2, Dair	y: 3 Riversdal Die	rokliniak							
kiversaaie,	Kiversaai Die	ekiiniek							

Beef: 1, Dairy	<i>/</i> : 2								
	ı, Swellendam	Dierehos	pitaal						
Dairy: 2									
Northern Ca	•								
	uruman Diere	kliniek							
Beef: 2									
Lung infe	ction								/
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (8)	1.5 (4)		2.6 (5)	2.4 (19)	2.0 (6)	1.0 (1)	1.7 (9)	2.0 (3)
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Beef	2.0 (6)	2.0 (1)		2.5 (4)	2.5 (10)	2.0 (5)		2.0 (3)	2.0 (1)
Dairy					1.5 (2)		1.0 (1)	1.3 (3)	
Sheep	2.0 (2)	2.0 (1)		3.0 (1)	2.4 (7)	2.0 (1)		2.0 (2)	2.0 (2)
Goat		1.0(2)						1.0(1)	
Mpumalang	а								
Balfour, Bal	four Diereklin	iek							
Beef: 2									
	nal Diereklinie	k							
Beef: 2, Shee	•								
	regloed Veteri	nêre Spre	ekkamer						
Beef: 1 Graatulai G	rochdel Diere	lelimini-							
Grootviei, G Beef: 1, Shee	irootvlei Diere	кипіек							
	ب. ح , Middelburg I	Dierehoen	itaal						
Beef: 3	, i iidacibaig i	c. c.103p							
	Cape Cross Vol	ksrust Die	erehospita	al					
Beef: 3									
Gauteng									
Hammanskı	raal, Themba <i>l</i>	Animal Cli	nic						
	p: 2, Goat: 1								
•	iderstepoort A	cademic	Hospital a	nd Prod	uction A	Animal Clini	С		
Goat: 1									
North West									
	Christiana Die	rehospita	al						
Beef: 3, Shee		orobeer!							
Kierksdorp, Beef: 2	Klerksdorp Di	erenospit	aal						
	stad, Leeudori	nastad Di	arakliniak						
Poof: 2	stau, Leeuuuri	iiyətau Di	CICKIIIIEK						

Beef: 2

Beef: 3
Free State

Stella, Stella Dierekliniek

Clocolan, Clocolan Dierekliniek Beef: 2, Dairy: 2, Sheep: 3 Ficksburg, Oosvrystaat Diere Produkte Beef: 1 **Hoopstad, Hoopstad Dierekliniek** Beef: 3, Sheep: 3 **Kroonstad, Kroonstad Dierehospitaal** Beef: 3 Ladybrand, Ladybrand Beef: 3, Sheep: 1 Reitz, Riemland Dierehospitaal Beef: 2, Dairy: 1, Sheep: 2 Viljoenskroon, Viljoenskroon Dierekliniek Beef: 3, Sheep: 3 Villiers, Wilgepoort Dierekliniek Vennootskap Beef: 2, Sheep: 2 Vrede, Vrede Dierehospitaal Beef: 3, Sheep: 3 Winburg, Winburg Dierekliniek Beef: 3 Kwazulu-Natal **Bergville, Bergville Veterinary Clinic** Beef: 2 Bergville, Tugela Vet Clinic Beef: 2, Sheep: 2 **Dundee, Endumeni Herd health** Beef: 2 **Estcourt, Estcourt Vet Clinic Underberg, Underberg Veterinary Surgery** Beef: 3 Seasonal, chill **Eastern Cape Humansdorp, Humansdorp Veterinary Clinic** Dairy: 1 **Western Cape** Caledon, Overberg Veterinary Hospital Beef: 3 Malmesbury, Dr Otto Kriek Dairy: 1 Malmesbury, Malmesbury Dierehospitaal Beef: 2, Dairy: 2, Sheep: 2 Riversdale, Riversdal Dierekliniek Dairy: 1, Sheep: 2, Goat: 1 **Worcester, Durban Straat Dierekliniek Worcester** Beef: 1 **Northern Cape** De Aar, De Aar Veterinary Clinic Sheep: 2 Kuruman, Kuruman Dierekliniek

Beef: 2

Upington, Upington Veterinary Clinic

Sheep: 2 Pasteurellosis in young lambs, booster vaccines not given

Mastitis i	n general								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)	1.0 (4)		1.0 (1)	1.0 (3)	1.8 (4)	1.5 (2)	2.7 (9)	
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than :	10 cases
Beef		1.0 (2)		1.0 (1)	1.0 (1)	1.7 (3)			
Dairy					1.0 (2)	2.0 (1)	2.0 (1)	2.8 (8)	
Sheep	1.0(1)						1.0(1)	2.0(1)	
Goat		1.0(2)							
Sheep: 1 Gauteng Hammanskr Beef: 1, Goat Pretoria, On Beef: 1, Goat North West Christiana, G Beef: 1 Free State Clocolan, Clo Dairy: 1 Ficksburg, C Beef: 1, Dairy Kwazulu-Na Bergville, Tu	derstepoort A : 1 Christiana Die ocolan Dierekl Oosvrystaat Di	Animal Cli cademic I rehospita liniek ere Produ	Hospital a	nd Prod	uction /	Animal Clini	C		
Dairy: 2	tcourt Vet Clir Mtubatuba Ar		ic						
Beef: 1	ngola Animal	Clinic							
Eastern Cap Alexandria, Dairy: 2	e Alexandria Pla	atteland S	preekkam	ier					
Uitenhage, Sheep: 1	Uitenhage Die	rehospita	al						
Western Cap	pe ledon Dierekli	niek							
Dairy: 3	erberg Diereki		Darling						
Dairy: 3	_								

George, Geo	orge Animal H	ospital							
Dairy: 3									
	y, Dr Otto Krie	k							
Dairy: 2	,, 5. 000 10.10								
	y, Invitrotech								
Dairy: 3	y, Invitioteen								
59 new cases									
		Diorobos	mitaal						
	y, Malmesbury	Diereilos	pitaai						
Dairy: 3, She									
	Riversdal Die	ekiiniek							
Dairy: 2	. C	Diamahaa							
	n, Swellendam	Dierenos	рітааі						
Dairy: 3									
Navel III									_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)						1.0 (1)	1.0 (2)	
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than :	10 cases
Beef	1.0(1)						*		
Dairy							1.0(1)	1.0(1)	
Goat								1.0 (1)	
Maumalana	10							1.0 (1)	
Mpumalang	_l a four Diereklin	iak							
Beef: 1	ioui Dielekiiii	ICK							
	•								
Eastern Cap		n Duasinai	al Vat I ab						
	n, Queenstow	n Provinci	ai vet Lab						
Dairy: 1									
Western Ca			Naulina						
	gerberg Dierel	iospitaai i	Darling						
Dairy: 1	Diversedal Dies	بهادانساماد							
	Riversdal Die	ekiiniek							
Goat: 1 Trauma									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average		1.7 (3)	1.0 (1)	1.0 (1)	2.0 (1)	1.5 (2)		2.0 (1)	2.0 (1)
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Beef		3.0 (1)	1.0 (1)		2.0 (1)	2.0 (1)			2.0 (1)
Dairy								2.0(1)	
,								2.0 (1)	

Sheep	l	1.0 (2)				1.0 (1)			
-		1.0 (2)		1 0 (1)		1.0 (1)			
Goat				1.0 (1)	<u> </u>				
Gauteng									
	raal, Themba <i>l</i>	Animal Cli	nic						
Sheep: 1									
Pretoria, Or Beef: 3	nderstepoort A	cademic	Hospital a	nd Prod	uction A	Animal Clini	С		
Fractures									
Sheep: 1									
Fractures									
Limpopo									
	Dr Henk Visse	r							
Beef: 1		<u>-</u>							
North West									
Christiana,	Christiana Die	rehospita	al						
Goat: 1		-							
Free State									
	inburg Dierek	liniek							
Beef: 2									
Kwazulu-Na									
	n, Camperdov	vn Vet Cli	nic						
Beef: 2, Shee									
Western Ca	•								
	y, Invitrotech								
Dairy: 2 Northern Ca	nno								
	ape Kimberley Die	rokliniok							
Beef: 2	Killiberiey Die	lekiiiiek							
	at abattoir insp	ection							
Draising seer	r de abaccon mop	CCCIOTI							
Downer									<u>^</u>
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (3)		1.0 (1)		2.0 (3)		2.0 (1)	2.0 (2)	1.0 (1)
Level of impreported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Beef	1.0 (3)		1.0 (1)		1.0 (1)				1.0(1)
Dairy							2.0 (1)	2.0 (2)	
Sheep					2.5 (2)				
	ja regloed Veteri	nêre Spre	ekkamer						
Beef: 1									
	irootvlei Diere	kliniek							
Beef: 1									
Volksrust, C Beef: 1	Cape Cross Vol	ksrust Die	erehospita	al					
JUC: 1									

Limpopo									
	Dr Henk Visse	<u>,</u>							
Beef: 1	DI HEIIK VISSE	1							
Free State									
	Kroonstad Die	rehosnita	اد						
Sheep: 2	M OOHS and Die	лспоэрна	u.						
•	land Dierehos	nitaal							
Sheep: 3	iana Dicientos	picaai							
	n, Wesselsbro	n Dierekli	niek						
Beef: 1	,	2.0.0km							
Eastern Cap	oe .								
	Alexandria Pla	atteland S	preekkam	ner					
Dairy: 2			•						
Western Ca	pe								
	y, Invitrotech								
Dairy: 3									
Ten cases									
Swellendan	n, Swellendam	Dierehos	pitaal						
Dairy: 1									
Northern Ca	-								
	(uruman Diere	kliniek							
Beef: 1									
Traumati	ic Reticulo-r	oricardi	itic						_
Haumau	c Keticulo-L	Jei Icai u	ILIS						_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average								1.0 (2)	
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Beef								1.0(1)	
Dairy								1.0 (1)	
-								1.0 (1)	
Western Ca	-								
	Bay, Plettenb	erg Bay A	Reitz						
Dairy: 1	traumatic contic	roticulo po	ritonitic in s	da, lore	2011 60111				
	traumatic septic Durban Straat				ey cow.				
Beef: 1	Dui Daii Straat	. DIEFEKIIN	iiek worce	SICI					
Deel. 1									
Other									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average		1.0 (2)	2.0 (1)					2.0 (2)	2.0 (1)
	ortanco casla: 1	- 000 636	2 - more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Level of imported	ortance scale: 1	- One case	c, z – morc						
	ortance scale: 1		5, Z – More						
reported	ortance scale: 1	1.0 (1)	c, 2 – more					2.0 (2)	2.0 (1)

1.0 (1) 2.0 (1) Sheep Gauteng Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic Umbilical hernia Sheep: 1 Umbilical hernia Limpopo Mokopane, Dr Henk Visser Sheep: 2 **Western Cape** Malmesbury, Dr Otto Kriek Dairy: 2 Anaphylaxis? Adverse reaction to drug while administering the drug intra-venously. Cold exposure. Administering drugs intravenously must be done slowly when requested to do so by manufacturers. Malmesbury, Invitrotech Dairy: 2 Poor condition **Northern Cape** Kimberley, Kimberley Dierekliniek Beef: 2 Icterus seen at abattoir inspection **Vestubular syndrome (Middle ear infection)** Kwazulu- Eastern Western **Northern** North Free **PROVINCE Mpumalanga Gauteng Limpopo** West State Natal Cape Cape Cape 1.0(1) **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) Gauteng Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic Sheep: 1 Cystitis 1: **Metabolic Diseases** Acidosis Free Kwazulu- Eastern Western Northern North **PROVINCE Mpumalanga Gauteng Limpopo** West State Natal Cape Cape Cape 2.3 3.0(2)1.5 (2) 2.0(1)1.0(2) 1.3 (3) 2.0(2)2.0(7)3.0(1) **Average** (12)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) **Beef** 1.5 (2) 2.0(1)2.0(1)2.0(1)

Dairy				2.0			2.5 (2)	
,				(1)			2.3 (2)	
Sheep			3.0 (1) $\frac{2.4}{(5)}$	1.0 (2)	2.0 (1)	1.8 (4)	
Goat		2.0 (1) 1	.0 (1)					3.0 (1
Mpumalang	ja							
Grootvlei, G	Grootvlei Dier	ekliniek						
Beef: 1								
Standerton	, Econovet							
Beef: 2								
Gauteng								
Hammansk	raal, Themba	Animal Clinic						
Goat: 2								
Limpopo								
Polokwane,	, Pietersburg	Veterinary Cli	nic					
Beef: 1, Goat	t: 1							
North West								
Leeudoring	stad, Leeudoi	ingstad Diere	kliniek					
Beef: 3, Shee	ep: 3							
Free State								
Clocolan, Cl	locolan Dierel	kliniek						
Beef: 3, Dair	y: 2, Sheep: 3							
	Oosvrystaat D	iere Produkte	•					
Beef: 3								
Soya bean ha	arvested lands							
•	rankfort Dier	ekliniek						
Sheep: 3								
	Kroonstad Di	erehospitaal						
Beef: 2, Shee								
	land Diereho	spitaal						
Beef: 2								
	le Dierehospit	aal						
Beef: 1, Shee	•							
	n, Wesselsbr	on Diereklinie	k					
Sheep: 2								
	inburg Diere	kliniek						
Beef: 2								
Kwazulu-Na								
	vn, Camperdo	wn Vet Clinic						
Sheep: 1	dumoni Hord	haalth						
Beef: 2, Shee	dumeni Herd	ileartii						
Eastern Cap								
		ading Vet Cor	sulting Servi	Ces				
Beef: 2		aamig vet coi	.Juriling Jei Vi					
	n, Queenstow	n Provincial \	/et Lab					
Sheep: 2	-, -,							
Western Ca	pe							
	•	West State V	et					
Sheep: 2	.,							
	n not adapted.							
		inary Hospita	I					
Dairy: 2								
Dali y . Z								

Sheep: 2									
Norcester,	Durban Straat	Diereklin	iek Worce	ster					
Sheep: 1									
Northern Ca	аре								
Postmasbu	rg, Postmasbu	rg Dierekl	liniek						
Goat: 3									
Displace	d abomasum	1							-
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northerr Cape
Average					1.0 (1)	2.0 (1)	1.0 (1)	3.0 (1)	
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	_	ut less than t	en and 3 =	more than	10 cases
Beef					1.0 (1)				
Dairy						2.0(1)	1.0(1)	3.0 (1)	
Free State									
) a a f . 1									
Kwazulu-Na Dundee, En	atal dumeni Herd h	ealth							
Kwazulu-Na Dundee, En Dairy: 2	dumeni Herd h	ealth							
Kwazulu-Na Dundee, En Dairy: 2 Eastern Cap	dumeni Herd h De		Clinic						
Kwazulu-Na Dundee, En Dairy: 2 Eastern Cap Somerset E	dumeni Herd h		Clinic						
Kwazulu-Na Dundee, En Dairy: 2 Eastern Cap Somerset E Dairy: 1 Right displace	dumeni Herd h De	eterinary		ted seco	ndary to	enzootic bovi	ne leukosis	affecting th	ne pyloric
Kwazulu-Na Dundee, En Dairy: 2 Eastern Cap Somerset E Dairy: 1 Right displace Dutflow of th	dumeni Herd h De ast, Bosberg V ed abomasum in e abomasum	eterinary		ted seco	ndary to	enzootic bovi	ne leukosis	affecting th	ne pyloric
Kwazulu-Na Dundee, En Dairy: 2 Eastern Cap Somerset E Dairy: 1 Right displace outflow of the Western Ca Malmesburn	dumeni Herd h De ast, Bosberg V ed abomasum in e abomasum	eterinary mid lactat	ion, suspec	ted seco	ndary to	enzootic bovi	ne leukosis	affecting th	ne pyloric
Kwazulu-Na Dundee, En Dairy: 2 Eastern Cap Somerset E Dairy: 1 Right displace outflow of the Western Ca Malmesburn	dumeni Herd h De ast, Bosberg V ed abomasum in e abomasum	eterinary mid lactat	ion, suspec	ted seco	ndary to	enzootic bovi	ne leukosis	affecting th	ne pyloric
Kwazulu-Na Dundee, En Dairy: 2 Eastern Cap Somerset E Dairy: 1 Right displace outflow of the Western Ca Malmesburn Dairy: 3	dumeni Herd h De ast, Bosberg V ed abomasum in e abomasum	eterinary mid lactat	ion, suspec	ted seco	ndary to	enzootic bovi	ne leukosis	affecting th	ne pyloric
Dairy: 2 Eastern Cap Somerset E Dairy: 1 Right displace outflow of th Western Ca Malmesbur Dairy: 3 Ketosis	dumeni Herd h De ast, Bosberg V ed abomasum in e abomasum	eterinary mid lactat Dierehos	ion, suspec	ted second	ndary to Free State	Kwazulu-	ne leukosis Eastern Cape	western Cape	ne pyloric Northerr Cape
Kwazulu-Na Dundee, En Dairy: 2 Eastern Cap Somerset E Dairy: 1 Right displace Dutflow of the Western Ca Malmesbury Dairy: 3 Ketosis	dumeni Herd h be ast, Bosberg V ed abomasum in e abomasum pe y, Malmesbury	eterinary mid lactat Dierehos	ion, suspec	North	Free	Kwazulu-	Eastern	Western	Northeri
Kwazulu-Na Dundee, En Dairy: 2 Eastern Cap Somerset E Dairy: 1 Right displace Butflow of the Western Ca Malmesbur Dairy: 3 Ketosis PROVINCE Average Level of imp	dumeni Herd h be ast, Bosberg V ed abomasum in e abomasum pe y, Malmesbury	eterinary mid lactat Dierehos Gauteng	ion, suspec	North West	Free State 2.0 (4)	Kwazulu- Natal	Eastern Cape 1.0 (1)	Western Cape 2.0 (4)	Northeri Cape
Kwazulu-Na Dundee, En Dairy: 2 Eastern Cap Somerset E Dairy: 1 Right displace outflow of the Western Ca Malmesbury Dairy: 3 Ketosis PROVINCE	dumeni Herd h pe ast, Bosberg V ed abomasum in e abomasum pe y, Malmesbury Mpumalanga	eterinary mid lactat Dierehos Gauteng	ion, suspec	North West	Free State 2.0 (4)	Kwazulu- Natal	Eastern Cape 1.0 (1)	Western Cape 2.0 (4)	Northern Cape

Goat					1.0 (1)				
Free State									
Frankfort, F	rankfort Diere	kliniek							
Sheep: 3									
Kroonstad,	Kroonstad Die	rehospita	al						
Sheep: 2, Go	at: 1								
Reitz, Riem	land Dierehos	pitaal							
Sheep: 2									
Eastern Cap	oe e								
Alexandria,	Alexandria Pla	atteland S	Spreekkam	ner					
Dairy: 1									
Western Ca									
Caledon, Ov	erberg Veterii	nary Hosp	ital						
Sheep: 2									
	(WC), Heidelb	erg Diere	kliniek						
Sheep: 2									
	y, Malmesbury	Dierehos	pitaal						
Dairy: 2, She	ep: 2								
Milk Feve	er								<u>^</u>
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.0 (4)	3.0 (1)		2.3 (6)	
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Beef					2.0 (1)			2.0 (1)	
Dairy					2.0 (2)	3.0 (1)		2.5 (4)	
Sheep					2.0 (1)			2.0 (1)	
Free State									
Frankfort, F	rankfort Diere	kliniek							
Beef: 2, Dairy	y: 3								
Ladybrand,	Ladybrand								
Sheep: 2									
Memel, Mer	nel Veterinary	Clinic							
Dairy: 1									
Kwazulu-Na									
Estcourt, Es	tcourt Vet Clir	nic							
Dairy: 3									
Western Ca									
	verberg Veterii	nary Hosp	ital						
Dairy: 2									
	(WC), Heidelb	erg Diere	kliniek						
Dairy: 3									
Malmesbury	y, Malmesbury	Dierehos	pitaal						

Beef: 2	. Dair	v: 3	. Sheei	n: 2
DCC:: _	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,	, ວ	J

Riversdale, Riversdal Dierekliniek

Dairy: 2

Reproductive diseases												
Dystocia (Difficult Births)												
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape			
Average	1.7 (12)	1.8 (8)		3.0 (3)	2.1 (20)	2.1 (11)	1.5 (8)	2.1 (10)	1.6 (5)			
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 reported												
Beef	1.8 (8)	2.3 (3)		3.0 (2)	2.0 (13)	2.3 (6)	2.0 (1)	2.0 (2)	1.5 (2)			
Dairy	1.0 (1)				2.0 (1)	2.0 (1)	2.0 (3)	2.3 (6)				
Sheep	1.7 (3)	1.7 (3)		3.0 (1)	2.2 (6)	1.7 (3)	1.0 (2)	1.5 (2)	2.0 (1)			
Goat		1.0 (2)				20(1)	1.0(2)		1.5 (2)			

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 2, Sheep: 2

Bethal, Bethal Dierekliniek

Beef: 2, Dairy: 1

Ermelo, Môregloed Veterinêre Spreekkamer

Beef: 1

Grootvlei, Grootvlei Dierekliniek

Beef: 2, Sheep: 2

Lydenburg, Lydenburg Dierespreekkamer

Beef: 2, Sheep: 1

Middelburg, Middelburg Dierehospitaal

Beef: 1

Piet Retief, Pets Vet Hospital

Beef: 2

Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 2

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 3, Goat: 1

Muldersdrift, Muldersdrift Animal Hospital

Beef: 3, Sheep: 3

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 1

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1, Sheep: 1, Goat: 1

North West

Christiana, Christiana Dierehospitaal

Beef: 3

Ventersdorp, Ventersdorp Dierekliniek Beef: 3, Sheep: 3 **Free State** Clocolan, Clocolan Dierekliniek Beef: 2 Ficksburg, Oosvrystaat Diere Produkte Beef: 1, Sheep: 2 Frankfort, Frankfort Dierekliniek Beef: 3 Hertzogville, Hertzogville Dierekliniek Beef: 2 **Hoopstad, Hoopstad Dierekliniek** Beef: 3, Sheep: 3 **Kroonstad, Kroonstad Dierehospitaal** Beef: 2, Dairy: 2 **Memel, Memel Veterinary Clinic** Beef: 2, Sheep: 2 Reitz, Riemland Dierehospitaal Beef: 2, Sheep: 2 Viljoenskroon, Viljoenskroon Dierekliniek Beef: 2, Sheep: 2 Villiers, Wilgepoort Dierekliniek Vennootskap Beef: 2, Sheep: 2 Vrede, Vrede Dierehospitaal Beef: 1 Wesselsbron, Wesselsbron Dierekliniek Beef: 1 Winburg, Winburg Dierekliniek Beef: 3 Kwazulu-Natal Bergville, Tugela Vet Clinic Beef: 2, Sheep: 2 Camperdown, Camperdown Vet Clinic Goat: 2 **Dundee, Endumeni Herd health** Beef: 2 **Estcourt, Estcourt Vet Clinic** Beef: 2, Dairy: 2, Sheep: 1 **Mooi River, Mooirivier Vet Clinic** Beef: 3, Sheep: 2 **Mtubatuba, Mtubatuba Animal Clinic** Beef: 2 **Underberg, Underberg Veterinary Surgery** Beef: 3 Seasonal Eastern Cape Alexandria, Alexandria Platteland Spreekkamer Dairy: 2 Aliwal North, Hertzogbrug Dierekliniek Beef: 2 Cofimvaba, State Vet Cofimvaba Sheep: 1 **Humansdorp, Humansdorp Veterinary Clinic**

Somerset East, Bosberg Veterinary Clinic

Dairy: 2 Multiple dystocias seen mostly due to foetal malposition Uitenhage, Uitenhage Dierehospitaal **Witelsbos, Witelsbos Veterinary Consulting Rooms** Sheep: 1, Goat: 1 **Western Cape Beaufort West, Beaufort Dierekliniek** Sheep: 1 Caledon, Overberg Veterinary Hospital Beef: 2, Dairy: 2, Sheep: 2 **Darling, Tygerberg Dierehospitaal Darling** Dairy: 3 Malmesbury, Dr Otto Kriek Dairy: 3 Malmesbury, Invitrotech Dairy: 2 Malmesbury, Malmesbury Dierehospitaal Beef: 2, Dairy: 2 Swellendam, Swellendam Dierehospitaal Dairy: 2 **Northern Cape Kimberley, Kimberley Dierekliniek** Kuruman, Kuruman Dierekliniek Goat: 1 Postmasburg, Postmasburg Dierekliniek Beef: 2, Sheep: 2, Goat: 2 **Endometritis** North Free Kwazulu-Eastern Western Northern **PROVINCE Mpumalanga Gauteng Limpopo West State Natal** Cape Cape Cape 2.7 (6) **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 **Dairy Eastern Cape** Somerset East, Bosberg Veterinary Clinic Dairy: 3 **Western Cape Caledon, Caledon Dierekliniek** Dairy: 3 Heidelberg (WC), Heidelberg Dierekliniek Dairy: 3 Malmesbury, Malmesbury Dierehospitaal Dairy: 3 Riversdale, Riversdal Dierekliniek Swellendam, Swellendam Dierehospitaal Dairy: 3

Worcester, Durban Straat Dierekliniek Worcester

Dairy: 2									
Metritis									^
Metritis									_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.5 (2)			3.0 (1)	2.0 (1)		2.0 (5)	2.3 (9)	2.0 (1)
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than :	10 cases
Beef	1.5 (2)			3.0(1)			1.0(1)		
Dairy	, ,				2.0 (1)		2.3 (4)	2.5 (8)	
Sheep								1.0(1)	
Goat								1.0 (1)	2.0 (1)
Mpumalang	13								2.0 (1)
Beef: 1 Lydenburg, Beef: 2 North West Christiana, Beef: 3 Free State Clocolan, Cl Dairy: 2 Eastern Cap Alexandria, Dairy: 1 Cofimvaba, Beef: 1 Humansdor Dairy: 3 Kareedouw, Dairy: 3	Christiana Die ocolan Dierek	erespreek rehospita liniek atteland S mvaba p Veterina	al Spreekkam	ıer					
274 cases Somerset Ea Dairy: 2 Western Ca	ast, Bosberg V pe	eterinary	Clinic						
Beaufort We Sheep: 1	est, Beaufort I lledon Dierekli		ek						
Dairy: 3	gerberg Diereh		Darling						
Heidelberg Dairy: 2	(WC), Heidelb ,, Dr Otto Krie		kliniek						
Dairy: 1 Malmesbury	,, Invitrotech								
Dairy: 3									

Thirty cases											
Malmesbury	y, Malmesbury	Dierehos	pitaal								
Dairy: 3	,,		•								
	Riversdal Dier	ekliniek									
Dairy: 2											
Swellendan	n, Swellendam	Dierehos	pitaal								
Dairy: 3			-								
Northern Ca	аре										
Postmasbur	rg, Postmasbu	rg Dierek	liniek								
Goat: 2											
Poor conception											
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Average	1.5 (2)	2.0 (1)	1.3 (3)	2.0 (1)	2.0 (4)	1.0 (1)	1.0 (2)	2.0 (2)	2.0 (2)		
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases		
Beef	1.5 (2)	2.0 (1)	2.0 (1)	2.0 (1)	2.0 (4)	1.0 (1)	1.0 (2)		2.0 (2)		
Dairy								2.0(2)			
Sheep			1.0(1)								
-											
Goat			1.0 (1)								
Mpumalang											
•	four Diereklin	iek									
Beef: 1	Lydonburg Di	orosprosla	lamar								
Beef: 2	Lydenburg Die	ei espi eek	Kaiiiei								
Gauteng											
	raal, Themba <i>l</i>	Animal Cli	nic								
Beef: 2	,										
Limpopo											
Polokwane,	Pietersburg V	eterinary	Clinic								
Beef: 2, Shee	•										
North West											
	Christiana Die	rehospita	al								
Beef: 2											
Free State	ocolon Diorela	liniok									
Beef: 2	ocolan Dierek	iiiiek									
	Kroonstad Die	rehosnita	al								
Beef: 1	ooiisaa bic	. 503pita	w1								
	e Dierehospita	aal									
Beef: 2											
	inburg Dierek	liniek									
Beef: 3											
Kwazulu-Na											
	Mooirivier Vet	Clinic									
Beef: 1											
Eastern Cap	e										

Humansdor	p, Humansdor	p Veterina	ary Clinic						
Beef: 1									
Uitenhage,	Uitenhage Die	rehospita	al						
Beef: 1									
Western Ca	•								
	,, Dr Otto Krie	k							
Dairy: 2									
	y, Malmesbury	Dierehos	pitaal						
Dairy: 2									
Northern Ca	-								
	uruman Diere	Kliniek							
Beef: 2	.a. Dootmook	ua Diauald	iniale						
Beef: 2	rg, Postmasbu	гд Dieгекі	iniek						
beer: 2									
Retained	afterbirth								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (4)			1.0 (1)	1.7 (3)	1.5 (2)	1.5 (2)	2.3 (4)	
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than :	10 cases
Beef	1.0 (3)			1.0 (1)	1.5 (2)	1.5 (2)	1.0 (1)	2.0 (1)	
Dairy								2.3 (3)	
Sheep	1.0 (1)				2.0 (1)		2.0 (1)		
Mpumalang	a								
Balfour, Bal	four Diereklin	iek							
Beef: 1, Shee	p: 1								
	Lydenburg Die	erespreek	kamer						
Beef: 1									
	lelspruit Anima	al Hospita	ı						
Beef: 1									
North West									
	Christiana Die	rehospita	al						
Beef: 1									
Free State Ladybrand,	Ladybrand								
Beef: 1	LauyDiailu								
	gepoort Dierel	diniek Ve	nnootskan	,					
Sheep: 2	achooi t Dieiei	THINCK AC	шоошкар						
	inburg Dierek	liniek							
Beef: 2									
Kwazulu-Na	atal								
	ergville Veteri	nary Clini	С						
Beef: 2	<u> </u>	,							
	Mooirivier Vet	Clinic							
Beef: 1									
Eastern Cap	e								

Aliwal North	n, Hertzogbrug	n Dioroklii	niok						
Beef: 1	ı, nei tzogbi üç	Dielekiii	iiek						
	Ct-t- V-t C-C								
	State Vet Cofi	mvaba							
Sheep: 2									
Western Ca									
	ledon Dierekli	niek							
Dairy: 2		•							
	, Dr Otto Krie	K							
Dairy: 2									
	, Malmesbury	Dierenos	рітааі						
Beef: 2, Dairy	7: 3								
Sheath P	rolaps								_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.5 (2)				1.0 (3)	1.0 (2)	1.0 (1)		1.0 (1)
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than :	10 cases
Beef	1.5 (2)				1.0 (3)	1.0 (2)	1.0 (1)		1.0 (1)
Mpumalang	a								
Ermelo, Môr	regloed Veteri	nêre Spre	ekkamer						
Beef: 2									
	elspruit Anima	al Hospita	l						
Beef: 1									
Free State									
	loopstad Diere	ekliniek							
Beef: 1									
	Kroonstad Die	rehospita	al						
Beef: 1									
Ladybrand,	Ladybrand								
Beef: 1	4-1								
Kwazulu-Na			_						
	ergville Veteri	nary Clini	С						
Beef: 1	Mtubatuba Ar	simal Cli-	ia						
Beef: 1	Mtubatuba Ar	ııııaı CIIN	IC						
Eastern Cap	10								
	e 1, Hertzogbrug	n Dierobli:	niek						
Beef: 1	i, riei wogorug	DICIEKIII	IICK						
Northern Ca	ne								
	uruman Diere	kliniek							
Beef: 1	aruman Diele	MIIIICK							
Deel. 1									
Uterus pr	olaps								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape

Average	1.3 (3)	1.0 (1)	1.5 (2)		1.9 (11)	1.5 (2)	1.0 (2)	1.8 (5)	
Level of imported	ortance scale: 1	= one case	e, 2 = more	than one	case bu	t less than to	en and 3 =	more than 1	.0 cases
Beef	1.3 (3)	1.0 (1)	1.5 (2)		2.0 (8)	1.5 (2)		2.0 (1)	
Dairy							1.0(1)	1.7 (3)	
Sheep					1.7 (3)		1.0 (1)	2.0 (1)	
Mpumalang	a								
Bethal, Beth	nal Diereklinie	k							
Beef: 1									
	regloed Veteri	nêre Spre	ekkamer						
Beef: 2									
	Cape Cross Vol	ksrust Die	rehospita	al					
Beef: 1									
Gauteng									
	spruit, Kerkstr	aat Dierel	diniek						
Beef: 1									
Limpopo	Dr Henk Visse								
Beef: 1	DI HEHK VISSE	il							
	Pietersburg V	/eterinary	Clinic						
Beef: 2	rictersburg t	ccci iiiai y	Cillic						
Free State									
Clocolan, Cl	ocolan Dierek	liniek							
Beef: 2									
Ficksburg, C	Dosvrystaat Di	iere Produ	kte						
Beef: 2									
•	rankfort Diere	ekliniek							
Beef: 3, Shee									
	e, Hertzogville	Diereklini	ek						
Beef: 1		. 1.12							
Sheep: 1	loopstad Dier	екипіек							
	Kroonstad Die	rehosnita	al						
Beef: 2	Ki oolisaa Die	леноэрна	aı						
Ladybrand,	Ladybrand								
Sheep: 1	,								
	nel Veterinary	Clinic							
Beef: 2									
	land Dierehos	pitaal							
Beef: 2									
	inburg Dierek	liniek							
Beef: 2	4-1								
Kwazulu-Na		mam. Cli!							
Beef: 2	ergville Veteri	nary Clinic	:						
	tcourt Vet Cli	nic							
Beef: 1	tcourt vet cili	iiic							
Eastern Cap	e								
_ascan cap									

Alexandria.	Riverview Tra	dina Vet (Consulting	ı Service	. c						
Dairy: 1	Taverview ind	iding vec	consum	, Sei Vice	<i>.</i>						
	p, Humansdor	p Veterin	arv Clinic								
Sheep: 1	<u>.,</u>		, -								
Western Ca	pe										
Caledon, Ov	verberg Veteri	nary Hosp	ital								
Dairy: 1											
Heidelberg	(WC), Heidelb	erg Diere	kliniek								
Dairy: 2											
-	y, Malmesbury	Dierehos	pitaal								
Beef: 2, Dairy											
	Riversdal Die	ekliniek									
Sheep: 2											
Vaginal (Cervical) prolaps											
PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu- Eastern Cape Western											
Average	1.4 (8)	1.3 (3)	1.0 (2)	2.0 (2)	1.9 (9)	1.7 (6)	1.7 (3)	1.3 (3)	1.0 (1)		
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	1	ut less than t	en and 3 =	more than 1	10 cases		
Beef	1.3 (4) 1.5 (2) 1.0 (1) 2.0 (2) 1.9 (7) 2.0 (4) 1.5 (2)										
Dairy						1.0 (1)		1.0 (1)			
Sheep	1.7 (3)	1.0 (1)			2.0 (2)		2.0 (1)	1.5 (2)			
Goat	1.0(1)		1.0(1)			1.0(1)					
Mpumalang	a										
	nal Diereklinie	k									
Beef: 1, Shee	ep: 1										
Ermelo, Môi	regloed Veteri	nêre Spre	ekkamer								
Beef: 1, Shee											
	irootvlei Diere	kliniek									
Beef: 2			_								
	lelspruit Anim	al Hospita									
Goat: 1	` C \/-I	leasurat Dia		_1							
Beef: 1, Shee	Cape Cross Vol	KSTUST DIE	enospita	al							
Gauteng	.μ. Δ										
	raal, Themba <i>l</i>	Animal Cli	nic								
Beef: 2, Shee											
	nderstepoort A	cademic	Hospital a	nd Prod	uction A	Animal Clini	С				
Beef: 1	•										
Limpopo											
	Pietersburg V	eterinary	Clinic								
Beef: 1, Goat											
North West											
Brits, Brits I Beef: 2	Dierekliniek										
DCCI. Z											

Lagudavina	atad Lagudayi	nacted Di	a valeli ni ale						
_	stad, Leeudori	ngstau Di	егекипиек						
Beef: 2									
Free State									
	locolan Dierek	liniek							
Beef: 1									
	Hoopstad Diere	ekliniek							
Beef: 3, Shee	•								
Ladybrand,	Ladybrand								
Sheep: 1									
	mel Veterinary	Clinic							
Beef: 2									
Reitz, Riem	land Dierehos	pitaal							
Beef: 2									
Vrede, Vred	le Dierehospita	aal							
Beef: 2									
Wesselsbro	n, Wesselsbro	n Dierekli	niek						
Beef: 1									
Winburg, W	inburg Dierek	liniek							
Beef: 2									
Kwazulu-Na	atal								
Bergville, B	ergville Veteri	nary Clini	С						
Beef: 3									
Camperdow	n, Camperdov	wn Vet Cli	nic						
Dairy: 1, Goa	_ ·								
	dumeni Herd l	health							
Beef: 2									
Estcourt, Es	stcourt Vet Clir	nic							
Beef: 1									
	Mtubatuba Ar	nimal Clin	ic						
Beef: 2									
Eastern Cap	oe .								
	h, Hertzogbrug	a Diereklii	niek						
Beef: 1	.,	y =							
	State Vet Cofi	imvaha							
Beef: 2, Shee									
Western Ca									
	verberg Veteri	nary Hosn	ital						
Dairy: 1	reibeig vetein	пагу 1103р	icai						
	Riversdal Dier	rokliniok							
Sheep: 2	Kiversual Diel	CKIIIICK							
•	n, Swellendam	Dierehos	nitaal						
Sheep: 1	ii, Swellellaalii	Dicicios	pitaai						
Northern Ca	ano.								
	ape Kimberley Die	rokliniok							
Beef: 1	Killiberiey Die	rekiiiiek							
beer. 1									
Climatic	al Cause								
Cold exp	osure								^
				North	Free	Kwazulu-	Eastern	Western	Northern
PROVINCE	Mpumalanga	Gauteng	Limpopo	West	State		Cape	Cape	Cape

Average		2.0 (1)		3.0 (1)	2.0 (2)			1.0 (1)	
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Sheep				3.0 (1)	2.0 (2)				
Goat		2.0 (1)						1.0(1)	
Gauteng									
	raal, Themba A	Animal Cli	nic						
Goat: 2									
North West									
	stad, Leeudori	ngstad Di	erekliniek						
Sheep: 3	nt without their	mothers ar	ad transport	tod from	Liningto				
Free State	it without their	mouners ar	iu transport	teu mom	opingto	I I.			
	locolan Dierek	liniek							
Sheep: 3	ocolan Dicick								
	n, Wesselsbro	n Dierekli	niek						
Sheep: 1	•								
Western Ca									
	Riversdal Dier	ekliniek							
Goat: 1									
Drought									<u>^</u>
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average							2.2 (5)	1.0 (1)	
Level of impreported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Beef							2.0 (1)		
Dairy							2.5 (2)		
Sheep							2.0 (1)	1.0(1)	
Goat							2.0 (1)		
Eastern Cap	oe .								
	Alexandria Pla	atteland S	Spreekkam	ner					
Dairy: 3			•						
	Witelsbos Vete		nsulting R	looms					
	y: 2, Sheep: 2, 0	Goat: 2							
Western Ca		n:	-1-						
Oudtshoorn	pe , Oudtshoorn	Diereklini	ek						
Oudtshoorn Sheep: 1	, Oudtshoorn			ante ene	radic da	othe onimals	oating to:	nlanta?	
Oudtshoorn Sheep: 1				ants, spo	radic dea	aths, animals	eating toxi	c plants?	
Oudtshoorn Sheep: 1	ooor condition, a			ants, spo	radic dea	aths, animals	eating toxi	c plants?	_

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 impore reported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Beef	1.0(1)						1.0 (1)		
Beef: 1 Eastern Cap	nal Diereklinie		niek						
Frozen to	death								_
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 on	e case b	ut less than t	en and 3 =	more than	10 cases
Sheep								2.0 (1)	
Western Cape Heidelberg (WC), Heidelberg Dierekliniek Sheep: 2 Non specific diseases Cause of death not established									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					1.0 (1)		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									
Beef							1.0(1)		
Sheep					1.0 (1)		1.0 (1)		
Free State Clocolan, Clocolan Dierekliniek Sheep: 1 Eastern Cape Queenstown, Queenstown Provincial Vet Lab									
Queenstow Beef: 1	ı, Queenstowi	i Provinci	ai vet Lab						

Preditors									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northeri Cape
Average		1.0 (2)			2.8 (4)		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		1.0 (1)			3.0 (1)				
Dairy							1.0(1)		
Sheep		1.0 (1)			2.7 (3)				
Beef: 3, She Philippolis, Sheep: 3	Rowelsfontein	veearts (
Beef: 3, Shee Philippolis, Sheep: 3 Villiers, Will Sheep: 2 Eastern Cap Mexandria, Dairy: 1	ep: 3 Rowelsfonteir gepoort Dierel	n veearts S	nnootskap)					
Seef: 3, Shee Philippolis, Sheep: 3 Villiers, Will Sheep: 2 Sastern Cap Mexandria, Dairy: 1	ep: 3 Rowelsfonteir gepoort Dierel pe Alexandria Pla	n veearts S kliniek Ve atteland S	nnootskap Spreekkam)	Free	Kwazulu- Natal	Eastern Cape	Western Cape	Northeri Cape
deef: 3, Sheephilippolis, Sheep: 3 Villiers, Williers, Williams,	ep: 3 Rowelsfonteir gepoort Dierel pe Alexandria Pla on - Theft	n veearts S kliniek Ve atteland S	nnootskap Spreekkam	ner					
deef: 3, Sheephilippolis, Sheep: 3 filliers, Williers, Williams,	ep: 3 Rowelsfonteir gepoort Dierel pe Alexandria Pla on - Theft	veearts skliniek Veatteland S	nnootskap Spreekkam Limpopo	North West	2.8 (8)	2.0 (1)	Cape	Cape	Cape
Seef: 3, Shee Philippolis, Sheep: 3 Villiers, Will Sheep: 2 Eastern Cap Mexandria, Dairy: 1 Sabotation PROVINCE	ep: 3 Rowelsfontein gepoort Dierel pe Alexandria Pla on - Theft Mpumalanga	veearts skliniek Veatteland S	nnootskap Spreekkam Limpopo	North West	2.8 (8)	2.0 (1)	Cape	Cape	Cape
deef: 3, Shee Philippolis, Sheep: 3 Villiers, Will Sheep: 2 Sastern Cap Alexandria, Dairy: 1 Sabotation PROVINCE Average Level of impreported	ep: 3 Rowelsfontein gepoort Dierel pe Alexandria Pla on - Theft Mpumalanga	skliniek Veratteland S Gauteng 1.0 (1) = one case	nnootskap Spreekkam Limpopo	North West	2.8 (8) e case b	Natal 2.0 (1) ut less than t	Cape	Cape	Cape

			-
Clocolon	Clacalan	Diereklinie	-
Ciuculaii,	Ciocolaii	ı Dielekilille	ĸ

Beef: 3, Sheep: 3

Frankfort, Frankfort Dierekliniek

Beef: 3, Sheep: 3

Reitz, Riemland Dierehospitaal

Sheep: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2, Sheep: 3

Winburg, Winburg Dierekliniek

Beef: 3

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Trauma								<u>^</u>	
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average		1.3 (3)							

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

Beef	1.5 (2)
Goat	1.0(1)

Gauteng

Bronkhorstspruit, Kerkstraat Dierekliniek

Beef: :

Hammanskraal, Themba Animal Clinic

Beef: 2, Goat: 1