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

January 2020

(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 (134) submitted reports during January 2020:

Mpumalanga (12)

Balfour - Dr. Lous van Jaarsveld

Bethal - Dr. Hardus Pieters

Ermelo - Dr. Ben Potgieter

Grootvlei – Dr. Neels van Wyk

Hendrina - Dr. Anja Steinberg

Lydenburg – Dr. Marietjie Malan

Lydenburg – Drs. Trümpelmann and Steyn

Malalane - Drs. Van Sittert and Van Sittert

Middelburg – Dr. Neil Fourie

Nelspruit – Dr. André Beytel

Standerton – Dr. Kobie Kroon

Volksrust - Dr. Johan Blaauw

Gauteng (8)

Bronkhorstspruit – Dr. De Bruin, De Bruin and Labuschagne

Hammanskraal – Dr. Hentie Engelbrecht

Magaliesburg – dr. Ryan Jeffery

Muldersdrift – Drs. Speedy and Enslin

Nigel – Dr. Cindy van der Westhuizen

Onderstepoort Veterinary Academic Hospital – Prof. Holm, Drs. Grobler, Hentzen, Koeppel, Leask,

Magadu, Magagula, Mokoele, O'Dell, Tagireyi, Tshuma, Van den Hurk and Van der Leek

Pretoria – Dr. Hanneke Pienaar

Vanderbijlpark – Dr. Kobus Kok

Limpopo (8)

Bela-Bela (Warmbaths) - Dr. Nele Sabbe

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

Modimolle (Nylstroom) - Drs. Huber, Bredell and Barnard

Mokopane (Potgietersrus)- Dr. Henk Visser

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

Tzaneen – Dr. Danie Odendaal

Vaalwater – Dr. Annemieke Müller

Vaalwater – Dr. Hampie van Staden

North West (14)

Beestekraal - Dr. Alwyn Venter

Bloemhof - Dr. Cizelle Naudé

Brits – Dr. Boshoff and Coertze

Christiana – Dr. Pieter Nel

Klerksdorp/Coligny/Fochville/Hartebeesfontein/Ottosdal/Potcheftroom – Drs. Van den Berg,

Van den Berg, Van der Walt and Geral

Leeudoringstad – Dr. Ian Jonker

Lichtenburg - Dr. Nelmarie-Krüger-Rall

Ottosdal - Sharnelle Ferreira

Potchefstroom - Dr. Martin Ferreira

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

Schweizer-Reneke – Dr. Pieter Venter

Stella - Dr. Magdaleen Vosser

Ventersdorp/ Koster –Drs. Benadé and Van der Merwe

Vryburg - Dr. Jurie Kritzinger

Free State (22)

Bloemfontein – Dr. Stephan Wessels

Bultfontein – Dr. Santjie Pieterse

Clocolan - Drs. Wasserman and Basson

Dewetsdorp - Dr. Marike Badenhorst

Excelsior/Ladybrand – Dr. Dedré Nel

Ficksburg – Dr. Woody Kotzé

Frankfort – Drs. Lesssing, Cilliers and Janse van Rensburg

Gariep Dam – Dr. Marni Malan

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

Reitz – Dr. Murray Smith

Senekal – Dr. Jan Blignaut

Smithfield – Dr. Nienke van Hasselt

Viljoenskroon - Dr. Johan Kahts

Villiers - Dr. D'Wall Hauptfleish

Vrede – Drs. Myburgh and Bester-Cloete

Wesselsbron - Dr. Johan Jacobs

Winburg – Drs. Albertyn and Albertyn

Zastron – Drs. Troskie and Strauss

KwaZulu-Natal (14)

Bergville – Dr. Jubie Muller

Bergville - Dr. Ariena Shepherd

Camperdown – Dr. Anthony van Tonder

Dundee – Drs. Marais and Fynn

Eshowe – Drs. Pryke and Hoffman

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

Howick – Drs. Hughes, Lund, Gordon, Allison and Taylor

Kokstad – Drs. Clowes, Shrives and Lees

Mtubatuba - Dr. Trevor Viljoen

Newcastle – Dr. Barry Rafferty

Pietermaritzburg – Dr. Philip Kretzmann

Pongola - Dr. Heinz Kohrs

Underberg - Drs. King and Delaney

Vryheid – Drs. Theron and Theron

Eastern Cape (14)

Adelaide - Dr. Steve Cockroft

Alexandria – Dr. Charlene Boy

Alexandria – Dr. Johan Olivier

Aliwal North - Drs. Troskie and Strauss

Bathurst - Dr. Jane Pistorius

Cradock - Dr. Frans Erasmus

Elliot – Drs. Clowes, Shrives and Lees

Graaff- Reinet - Dr. Roland Larson

Graaff-Reinet – Drs. Hobson, Strydom and Hennesy

Humansdorp – Drs. Van Niekerk, Jansen van Vuuren and Davis

Jeffreys Bay – Drs. Lategan, Hoek and McFarlane

Steynsburg – Dr. Johan van Rooyen

Stutterheim - Dr Dave Watermann

Uitenhage – Drs. Mulder and Krüger

Witelsbos - Dr. Elmien Kotze

Western Cape (24)

Beaufort West - Dr. Jaco Pienaar

Beaufort West - Dr. Bennie Grobler

Caledon – Drs. Louw and Viljoen

Caledon – Drs. Retief, Coetzer and Jansen

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

Darling – Drs. Van der Merwe, Adam, Jenkins and Lord

Elsenburg – Dr. Annelie Cloete

George - Drs. Strydom, Truter and Pettifer

Heidelberg – Dr. Albert van Zyl

Malmesbury – Dr. Otto Kriek

Malmesbury – Dr. Markus Fourie

Malmesbury – Drs. Heyns and Zolner

Malmesbury – Dr. Andries Lesch

Moorreesburg – Drs. Kotzé and Sheridan

Oudtshoorn - Dr. Glen Carlisle

Oudtshoorn - Dr. Adriaan Olivier

Piketberg – Dr. André van der Merwe

Plettenberg Bay - Dr. André Reitz

Stellenbosch - Dr. Alfred Kidd

Swellendam - Drs. Malan and Fourie

Tulbagh/Ceres – Drs. Hamman, Wilson and Triegaardt

Vredenburg – Dr. Izak Rust

Wellington – Drs. Van Zyl and Louw

Worcester - Dr. Kobus Rabe

Northern Cape (9)

Calvinia – Dr. Bertus Nel

Colesberg - Drs. Rous and Rous

De Aar – Dr. Donald Anderson

Kathu – Dr. Jan Vorster

Kimberley – Drs. Van de Wateren and Van de Wateren

Kimberley – Drs. Swart, Smith and Hyslop

Kuruman – Dr. Lea Shuda

Postmasburg – Dr. Boeta van der Merwe

Upington – Drs. Vorster and Visser

Feedlots (1)

Drs. Morris and Du Preez

Mastitis consultant (1)

Dr. Theo Kotzé – Moghaka district (Kroonstad municipality)

Laboratory reports (7)

Dr. Marijke Henton - Vetdiagnostix, Johannesburg

Dr. Rick Last - Vetdiagnostix, Pietermaritzburg

Dr. Liza du Plessis – Idexx SA – Johannesburg

Dr. Emily Mitchell – Wildlife, Faculty of Veterinary Science, Unversity of Pretoria

Dr. Sophette Gers – Pathcare, Cape Town

Dr. Mark Chimes – Dairy Standards, George

Amanda McKenzie - Vryburg Veterinary Laboratory

FOOT AND MOUTH DISEASE -THE NEXT STEP

Foot and mouth disease had been on on the agenda of most people during the last few months! This was not the first outbreak in our country and it will not be the lastunless!!!!!!!

During each outbreak huge financial losses occurred for everybody involved in the meat industry. The blame game is played and usually the government in power during the time of an outbreak is blamed for incompetency at all levels.

The current outbreak is no exception! Meetings were regularly held, animal movements were traced, gathering of animals from different origen were banned, auctions were affected, export of animal products got more difficult and the poorest of the poor could not sell their animals. Income became scarce and banks were asked to be lenient where debt could not be serviced in time! Spare a moment for animal farmers, especially from us earning a monthly salary!

The ban on auctions were resently lifted but now we (all of us involved in animal production) have to prove to the OIE (World organization for animal health) that the FMD free zone in South Africa IS FREE of FMD. This is going to take time and money to prove this!

Where do we start? On the farm, our districts, our country and our borders. We have to dream, think and live biosecurity every day of our lives!

BIOSECURITY

Biosecurity should not be just a word but should be an action. All of us (producer organizations, farmers and their employees, politicians, veterinarians, co-op personnel, representatives, auctioneers, agricultural writers and inhabitants of the Republic of South Africa) should be protecting our national herd becoming infected with organisms which could harm them and the people consuming products of animal origin.

We have been talking and writing, participating in TV and radio programmes, farmer's days and meetings on brucellosis, foot and mouth disease, Rift Valley fever, trichomonosis, Asiatic red water, cryptosporidiosis, *E. coli*, snotsiekte, rabies, fear of East Coast fever, sheep scab, ram's disease, listeriosis, tuberculosis, African swine fever, bird flu to name a few important diseases that we were confronted with during the last year or two. Stock theft and farm murders are on the increase. Water sources are polluted. Welfare issues were problematic.

Farmers had been hit by export restrictions, falling of meat prices and production losses – when will we ever learn to protect our investments with all our might!

We are not doing what we should! Identifying our animals, controlling movement, vaccinating our animals and demanding vendor declarations when buying animals - Buyer beware!

As was recently experienced, an auction could be the most dangerous place to buy animals if biosecurity measures are not heeded. All animals should be branded with a registered brand mark and or tattoo, health certificates in place and seller's home address (not post box number, should be available. Take note that foot and mouth disease, bovine brucellosis, tuberculosis, Johne's disease, trichomonosis, vibriosis, sheep scab (to name a few diseases) and parasites resistant to certain antiparasiticides are herd and flock diseases! Contact your veterinarian to assess your risk bringing in animals onto your farming unit. As an additional precaution, quarantine animals for at least 28 days.

All is not doom and gloom – many farmers, although in the minority, are doing the correct thing. Following a closed herd policy, identifying their animals, testing their animals for brucellosis, movement control, animals that are bought and showed are quarantined before introducing them into the herd. Joint action by government and private sector during disease outbreaks through the National Animal Health Forum proved to be successful.

Our main goal now, should be to get a Livestock Identification and Traceability System (LITS) in place. This will enable us to establish certain disease-free compartments and help to contain an outbreak within a short time period.

In unity lies our strenghth – join your producer organization!!

What to do to pe prepared for future outbreaks

The traceability system is on its way! Get on the train!!!

Biosecurity guidelines

http://nahf.co.za/wp-content/uploads/FMD-Basic-Biosecurity-Guidelines-2019-11-26-Ver-4.pdf

- 1. During a FMD outbreak it is the producer's responsibility to keep their animals from getting infected.
- 2. Although FMD does not pose a food safety or public health concern it has a major impact on animal health and international trade.
- 3. Each commercial farm should appoint a biosecurity manager.
- 4. A written biosecurity plan is a basic requirement.
- 5. Development of a plan must be done by the biosecurity manager with assistance from a veterinarian.
- 6. The biosecurity plan must include a line of separation/demarcation of the biosecurity area.

7. Training:

- a. Train all personnel in biosecurity principles at least annually. 8. Access: a. Access points to the area must be identified and demarcated clearly.
- b. Loading site must be identified away from animals.
- c. A cleaning and disinfection station needs to be made available and should be away from any animals and an SOP for cleaning of all vehicles entering the biosecurity area must be adhered to.
- d. Parking areas away from animal areas must be provided.
- e. Vehicle movement pathways must be mapped.
- f. Draw up a map demarcating all these areas.
- g. The control boundary should always be respected and identified to all personnel.
- h. No access of vehicles or personnel to the biosecure area unless via proper decontamination protocols. People with any suspected contact with infected animals (or having been in an affected area) should stay away from "clean animals for at least a week.
- i. Access points should be respected, well demarcated and procedures of access described. Biosecurity Guidelines-FMD 2019-11-26 2
- j. Animals arriving on the farm should only be directly from a guaranteed healthy herd accompanied by signed and dated veterinary health certificates.
- k. Personnel entering the biosecure area should shower and change clothing before entering the area.
- I. Logbooks of all persons, vehicles, equipment etc entering or leaving the biosecure area should be kept.
- m. No entry of persons, vehicles or products should be allowed if not expressly permitted by the biosecurity officer.
- n. Feed brought into the biosecure area should only be from sources determined by the biosecurity manager.
- o. For further information go to www.securebeef.org

9. Quarantine:

- a. For extra security all cloven hooved animals should be quarantined at least 100 meters for 21 days away from the herd.
- b. There will be absolutely no contact with the herd or flock either directly or indirectly.
- c. They should only be introduced after clinical (and preferably serological) evaluation.

It is now the time that we take ownership of our own industry!!!!!!!



Media Statement

17 February 2020

MINISTER DIDIZA UPDATES THE PUBLIC ON THE UNBANNING OF AUCTIONS AND MEASURES TO PREVENT THE SPREAD FOOT-AND-MOUTH DISEASE OUTBREAK IN THE COUNTRY

Agriculture, Land Reform and Rural Development Minister Thoko Didiza, MP has today 17 February 2020, announced that the blanket ban on gatherings animals is now lifted, since the outbreak of Footand-Mouth three months ago in the Molemole District in Limpopo.

The Minister's decision follows the briefing she received from the technical task team over the weekend.

The Minister said, "There are preconditions for the resumption of auctions. Auctions will only be conducted under stringent conditions. All livestock agents must be registered with the Agricultural Produce Agents Council."

The Minister further emphasised that agents already registered with APAC and complaint to the Rules in respect of livestock agents as published in Government Gazette 41473 Board Notice 28 of 2018 may proceed with auctions. "I wish to draw your attention to the fact that all APAC certificates issued prior to 2 March 2018 have lapsed and renewal should be done on or before 30 March 2020. I therefore encourage all livestock and game traders to contact the APAC for re-registration prior to resuming with their businesses" remarked Minister Didiza.

The lifting the temporary ban on gatherings of animals, is NOT implying that such activities are safe. Therefore, the Minister is advising all auctioneers to familiarise themselves with their implementing measures to prevent their animals from becoming infected.

These include:

- Not moving high risk animals, such as animals showing signs of disease; animals from unknown origin or animals originating from known infected areas;
- Only buying animals from known and proven sources;
- Insisting of buyers to be supplied with a veterinary health declaration before animals are brought onto their farms;
- Always placing new arrivals in isolation until you can satisfy yourself of their health status. "I wish to remind all livestock keepers of their responsibilities in terms of Section 11 of the Animal Diseases Act, 1984 that any owner or manager of land on which there are animals take all reasonable steps to prevent the infection of the animals with any animal disease, or parasite and the spreading thereof from the relevant land or animals," said Minister Didiza. "I am aware of the social and economic impact this decision had on livestock owners, traders and the general sector stakeholders. I want to reassure the nation that this decision was not taken lightly and was implemented as a disease control measure"

Minister Didiza further added. The Minister also emphasised that Veterinary Services are continuing to collaborate with affected farmers to determine the best way forward to resolve the outbreaks on the infected farms.

Slaughter of cattle at specifically designated abattoirs has started, with additional measures to prevent any disease spread through materials such as heads, feet and offal. "I wish to thank these farmers for cooperating with us," remarked Minister Didiza.

The Minister also said the outbreak of FMD in the free zone cannot be declared as over yet, although it appears that the initial spread of the disease has been successfully contained. She said there is a long way ahead before as a country we can declare the end of the outbreak, let alone regain the internationally recognised FMD free status with the OIE.

According to the Minister, this outbreak highlighted a number of areas which need urgent and close collaboration between livestock keepers and the government.

A team, comprising of industry stakeholders and the FMD subject matter specialists, has already started working on a strategy for the better management of FMD in the controlled area. These measures focus on sustainability of the controlled area and strengthening measures that are already in place.

The outbreak has also highlighted the importance of individual animal identification and traceability, especially with continuous buying and selling of animals. The work on the Livestock Identification and Traceability System (LITS-SA) is at an advanced stage and the implementation of this system is inevitable for better management of diseases in the country. This system should also be able to give us better chances at export market access for our commodities.

The Molemole outbreak was reported on the 1 November in a feedlot in the Capricorn District in Limpopo. This was immediately reported to the OIE. This outbreak was caused by a SAT 2 similar to the one that caused the January 2019, outbreak in Vhembe.

Following initial investigations, the outbreak could be linked to four auctions, held at two auction premises in September and October 2019. Due to the nature of the spread of the disease, through the auction marketing system, numerous properties had to be followed up to determine spread of the infection.

In order to prevent further explosive distribution of the infection and allow the veterinary officials to determine the extent of the spread, an intensive system of tracking and tracing livestock movements and locations was put in place. The application of this system necessitated stringent quarantine measures to be put in place. The measure included mitigation against further spread of the outbreak via auctions through the placement of a temporary ban on gatherings of cloven-hoofed animals nationwide.

"In our approach, we had to balance amongst a few variables, the risks and opportunity costs relating to the possible spread of the disease, economic losses to the entire country and financial losses to stakeholders," said Minister Didiza.

Other control measures instituted were to place the affected properties under quarantine and not to allow any animals into, through or out of the premises. This was to ensure the virus gets contained in these properties. Approximately 160 properties were identified with links to the auctions. These include primary properties that either received animals from these auctions, or supplied animals to them, as well as the properties that were indirectly linked.

These premises had to be visited, placed under quarantine, with clinical inspection conducted and samples collected as part of the investigation to determine exposure to the infection.

Good progress has been made and the precautionary quarantine has been lifted on more than 90 of these properties. In total, 18 farms were identified where animals tested positive for FMD. Most of the affected properties are commercial cattle farms, including a number of feedlots, which are fortunately all well fenced and where the animals are individually identified and proper records are kept.

This made it possible to implement control measures without the use of emergency vaccination, culling or road-blocks. Of the primary contact premises linked to the auctions, more than 90% have already been visited and their status determined. "This gives the veterinary team sufficient confidence to proceed to the next phase of the control of the outbreak," concluded Minister Didiza.

ISSUED BY THE DEPARTMENT OF AGRICULTURE, LAND REFORM AND RURAL DEVELOPMENT For media enquiries contact Reggie Ngcobo Media Liaison Officer on 0828832458

Summary of disease report for January 2020

134 Reports from veterinary practices and laboratories were received (Mpumalanga (MP) 12; Gauteng (G) 8; Limpopo (L) 8; Northwest (NW) 14; Free State (FS) 22; KwaZulu-Natal (KZN) 14; Eastern Cape (EC)

14; Western Cape (WC) 24: Northern Cape (NC) 9; Feedlots (FL) 1; Mastitis consultant (MC) 1 and Laboratories (Lab) 7)

A list of diseases and conditions reported by veterinarians in 5 or more provinces

Disease or condition	Number of provinces reporting
Wireworm	9
Bont-legged ticks	9
Eye infections	9
Dystocia	9
Roundworms	8
Coccidiosis	8
African red water	8
Anaplasmosis	8
Ephemeral fever (three day stiff sickness)	8
Orf	8
Warts	8
Ringworm	8
Lung infection	8
Blue ticks	7
Red-legged ticks	7
Blackquarter	7
E. coli	7
Abscesses	7
Diarrhoea	7

Tapeworms	6
Cryptosporidiosis	6
Nuisance flies	6
Midges	6
Asiatic red water	6
Heartwater	6
Lumpy skin disease	6
Blue tongue	6
Trichomonosis	6
Botulism	6
Pulpy kidney	6
Abortions	6
Trauma	6
Uterine prolaps	6
Vaginal prolaps	6
Resistant roundworms	5
Heartwater ticks	5
Mosquitoes	5
Sweating sickness	5
Protein deficiency	5
Blindness	5
Bloat	5
Joint ill	5
Metitis	5

Downer	5
Lightning	5

Bovine Brucellosis

Although we have made positive steps in controlling Bovine brucellosis, the model disease stated in the Veterinary Strategy, we as a country is far from achieving our goal!

If farmers will just comply by vaccinating their animals against brucellosis, according to law, the incidence of brucellosis will drop dramatically as shedding of bacteria will drop!

Many farmers are still shrugging their shoulders and saying: "Why should I test my animals as it will only cost me money and what if there are positive animals? My farm will be placed under quarantine, so I am not going to test my animals!"

Dr. Trudie Prinsloo a veterinarian and legal advisor has compiled legal aspects regarding brucellosis control and it is VERY IMPORTANT that you should avail yourself with the content of this document.

It is available in English and Afrikaans.

When buying cattle 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	š.	-
Sta	stement 8 and 9 apply only to already infected flocks, and such sheep can only be sold to o	ther inf	ected
flo	cks by law.		
Bu	yers should consult their veterinary advisor before any purchases.		7
Sig	nature Date		
NA	Farm:		
	District:		
	WNER OR AUTHORIZED PRESENTATIVE	TES	
The	e use of this declaration is supported by the following organisations:		













SOP for the control of Bovine Brucellosis

Audit date:		
Authorised perso	n:	

		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 quarantined property	
24	Disinfection of places where infection is a 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	

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 (Foot and Mouth Disease, 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/

Ruminant 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

Kundiges

Vra vir Faffa

Lees alle antwoorde

Beeste

Siektes

Brusellose

The following can be typed in the "Soekblokkie"

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

Farm gates, Fences and Forsight, the 3 F's!

Bear this in mind as this is where most disease-causing organisms enter or exit farms!

Major examples are: Foot and mouth disease, brucellosis, Johne's disease, TB, cryptosporidiosis, trichomonosis, vibriosis, sheep scab, resistant parasites such as red lice, blue ticks and internal parasites (Buyer beware programmes).

Insist on VENDOR'S DECLARATIONS when buying animals.

Quarantine

Immunization programmes

Speak to your veterinarian

Abide the law-vaccinate cattle against anthrax and heifers against brucellosis!

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	х	х	
Resistant roundworms	x	Х			х	х	Х		
Wireworm	x	Х	x	х	Х	х	Х	х	х
Brown stomach-worm									
Long-necked bankruptworm									
Large-mouthed bowelworm									
Nodularworm							Х		
Lungworm									
Eyeworm					х				
Parafilaria			x	х		х			х
Tapeworms	х	Х	х		Х	х	Х		
Liver fluke	х		х		Х	х			
Conical fluke	х				х	х			
Cysticercosis (measles)						х			

Schistosomiasis (bilharzia)									
Coccidiosis	х	x	х	х	х	х	х	х	
Cryptosporidiosis	х	х		х	х	х		х	

Deaths due to wireworm infestations have been reported from many areas in the summer rainfall area. Young and pregnant animals are the most vulnerable! Good rains have fallen in many areas and deaths due to wireworm infestations are reported.

Consult your veterinarian to determine which actives are affective against wireworn on YOUR farm.

Nodular worm infestation was reported from the Steynsburg practice and farmers should be on the look out for nodules in the intestines of sheep at slaughter or animals dying for some or other reason! Contact your veterinarian immediately to discuss control measures!

Use the five point check in sheep to keep on top of what is happening in the flock. Check each animal slaughtered or that died for nodular worm infestation- whitish nodules can be seen in the small intestine. For further detail contact your local veterinarian. Treatment is but one of many actions in the holistic management approach to control internal parasites.



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

www.wormx.info

FAMACHA cards can be obtained through your veterinarian (famachasystem@gmail.com)

Serious problems due to diarrhoea in lambs and calves were received from many areas. In many instances *Cryptosporidium* and pathogenic strains of *E. coli* were involved. Consult your veterinarian for help!

https://www.google.co.za/search?hl=en&tbm=isch&source=hp&biw=1344&bih=608&ei=PyxyXOO7OcutkwXinK3oCA&q=cryptosporidium+parvum&oq=Cryptosporidium&gs_l=img.1.1.0l10.2885.9850..16402...0.0..0.708.5719.2-4j4j3j2j1.....0....1..gws-wiz-img.....0.o66yefU7Ric

Prevention of Cryptosporidiosis

Since there is no vaccine or registered treatment for *Cryptosporidium*, prevention is the best control method. Animals with a well developed immune system will generally easily overcome *Cryptosporidium* thus this must be the main aim in controlling *Cryptosporidium*.

A consistent, vet approved and farm appropriate vaccination program for other diseases. Ensure no nutritional deficiencies especially vitamin A and Selenium Excellent bio-security
Ensure clean pathogen free water sources
Hygiene training of personnel
Consult your veterinarian

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	X	х	х	х	
Resistant blue ticks					X	х		х	
Heartwater ticks	х	х	х			х	х		
Brown ear-ticks	х	х	х	х	Х	х			
Bont-legged ticks	х	х	х	х	х	х	х	х	х
Red-legged ticks	х			х	X	х	Х	х	х
Paralysis ticks				х	X				
Tampans									
Biting lice									
Sucking lice				х					Х
Fleas									
Itch mites									
Sheep scab					Х				
Mange mites					Х		Х		
Nuisance flies	X			х	х	х	х	х	

Midges	х		х	х	х	х	х	
Mosquitoes	х		х	х	х		х	
Blowflies	х			x	х		x	
Screw-worm	х			x				
Gedoelstia (uitpeuloogsiekte)								
Nasal bot	x		х	Х	x		х	

Tick infestations are on the increase after rains fell in the summer rain-fall areas. Blue ticks (African and Asiatic 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, especially in areas where summer rains fell. Below is a list of diseases transmitted by ticks.

Flying insects are rife and so is insect borne diseases on the increasehich are transmitted by them. For your own sake: Are all your animals vaccinated against Rift Valley Fever?

Tick borne diseases

The following tick-borne diseases 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			
	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

Theileriosis			х		

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

Numerous mortalities were reported!

Heartwater outbreaks were reported from 6 provinces.

The keyword is vaccinate your animals! Contact your veterinarian.

Anaplasmosis outbreaks were reported in 8 provinces.

Tick toxicosis

Tick toxicosis	MP	G	L	NW	FS	KZN	EC	wc	NC
Sweating sickness		X	X	х	х	х			

The bont-legged tick's toxin is causing sweating sickness.

Insect transmittable diseases

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

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

Insect transmittable diseases have increased after summer rains . Have you vaccinated your animals?

An increase in mosquito numbers were reported – beware of the first Rift Valley Fver outbreak – abortion storms and yellow carcases. This is a zoonosis!

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									
Actinobacillus seminis plus HPA							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. Trichomonosis were reported from 6 provinces and vibriosis fom 45 provinces.

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

Consider Trichomonosis as an area disease, farmers should work together to keep areas free from diseases such as trichomonosis, brucellosis and sheep scab.

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	x	х	х	
Botulism			х	х	х	х		х	х
Pulpy kidney	х				х	х	х	х	х
Lamb dysentery									
Swelled head	х	х			х	х			
Red gut (cattle)	х					х		х	
Blood gut (sheep)					х			х	
Tetanus					х				
Salmonellosis									
Klebsiella									
Bovine brucellosis			х	х	х				
Brucella melitensis (goats)									
Ovine brucellosis (Ram's disease)							х	х	
Bovine tuberculosis			х						
Johne's						х			
Leptospirosis								х	
Listeriosis								х	
Pseudomonas									
Pasteurella multocida									
Pasteurellosis (see pneumonia -lungs)									
Fusibacterium necrophorum	х	х						х	
Septicaemia						х			
E. coli	х	х	х	х	х	x		x	

х				х				
	х		х	х		x		
х								
								х
		х	x	x x	x x x	x x x	x x x x	x x x x

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.

Enzootic abortion contributes to the disappearance of foetuses in sheep and goats scanned pregnant. Vaccinate replacement ewes with the live vaccine before putting them to the ram!

Pulpy kidney (*Clostridium perfringens* type D – epsilon toxin) is still the biggest killer of sheep. There are various factors that could lead to pulpy kidney such as: the intestinal tract stops functioning (stasis), sudden change from poor veld to lush artificial pastures; sudden change in diet; grazing of fodder crops such as lucerne, green wheat and green oats, diet high in protein, overeating of concentrates or fertile pastures, deworming and coccidiosis infection. Sudden changes in the weather and grazing in wilted pastures, may also play a predispositional role.

Be sure to vaccinate animals against botulism especially if chicken litter is going to be fed to animals.

Challenging farmer's unions and study groups to eradicate brucellosis in their area!! Many success stories are received!

Ask for vendor's declarations before buying in animals and quarantine them before releasing them onto the farm!!!!

A positive heifer is a TROJAN HORSE!!! This latent carrier of brucellosis may only test positive after calving!!!!!

PREVENTION IS BETTER AND CHEAPER THAN CURE!

Do not save yourself bankrupt!

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

Herpes mammillitis - goats								
	1	1	1	l	1	1	l	l

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 to prevent snotsiekte outbreaks! There is also a sheep associated form of the disease. Discuss vaccination programmes and biosecurity measures with your veterinarian.

Orf is a zoonosis, wear gloves when treating goats and sheep.

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		х	х

Protozoal diseases

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

Toxicities

The following toxicities were reported by practices in the provinces:

Toxicities	MP	G	L	NW	FS	KZN	EC	WC	NC
Cardiac glycoside							х	х	
Slangkop									
Crotalaria									
Gifblaar			х						

Gousiekte	х	х						
Cestrum (ink berry)						х		
Tulip			х		х	х		
Cynanchum (bobbejaantou)						х	х	
Facial eczema				х		х		
Lantana	х	х			х			
Prussic acid				х		х		
Acacia nilotica								
Senecio					х	х	x	
Cotula nigellifolia (stagger wood)								
Geeldikkop (duwweltjies) and dikoor	х		х	х		х		х
Vermeersiekte								
Hertia pallens (Nenta, krimpsiekte)								
Chrysocoma ciliata (bitterbos)								
Solanum incanum (maldronksiekte)								
Gomphocarpus (Asclepias) fruticosus (milkweed)								
Heliotropium (potato weed)								
Bracken fern								
January bush (Gnidia polycephalatus)								
Chinkerinchee								
Ceylons rose								
Datura								
Sarcostemme viminale (melktou, caustic bush)								

Adultus manufilmus Ilda et al. 1. A		1	1			
Malva parviflora (kiesieblaar)						
Bitou						
Cotula nigellifolia (Stagger weed,						
stootsiektebossie)						
Eucalyptus (bloekom) bark						
Kikuyu						
Ryegrass						
Lush pastures (Dikkop)						
Ganskweek						
Paspalum staggers						
Phalaris aquaticum (Phalaris staggers)						
Photosensitivity (Turknael, Erodium						
moschatum)						
Photosensitivity (Stellenbosch)						
Photosensitivity						
Lusern						
Mycotoxicosis				х	х	
Apergillus						
Aflatoxin						
Diplodiosis						
Lupins						
Harpuisbos						
Syringa berries						
Acorn						
Cycad						
		J	l l			

Kraalbos, Geelbos (Galenia africana)							
Radish							
Carrot poisoning							
Onion poisoning							
Bracken fern							
Pollen beetle (Astylus atromaculatus)							
Water contamination						х	
Nitrate						х	
Amaranthus	х						
Tannins							
Urea					x		
Salt							
Wet carcase syndrome							
Snake bite	х		X				
Moth cocoons (impaction)							
Blue green algae							
Copper							
Selenium							
Zinc							
Zinc sulphite							
Fluoride							
Lead				х			
Paraquat							
Phosamine							

Aldicarb					
Organophosphate					
Zinc phosphide					
Xanthium					
Pyrethroid					
Amitraz					
Levamisole					
Ivermectin					
Moxidectin					
Oxytetracycline					
Tilmicosin					
Bromoxynil nitrate					
Ionophor					
Monensin					
Нуро					
Diazinon					
Glyphosate					
Chicken litter					
Medicated maize seed					

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! (Outbreaks reported in 7 provinces) Dosage: 2 gram per Kg body weight, 1 Kg charcoal for 500kg animal. 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.

Nutritional deficiencies

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

Deficiencies	MP	G	L	NW	FS	KZN	EC	wc	NC
Energy						х	х	х	х
Protein		х				х	х	х	х
Phosphate									х
Calcium						x		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 and vitamin deficiencies

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

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

Members of RuVASA's hearts go out to our colleagues and their clients in drought stricken areas!

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 and Zinc during drought conditions.

Multifactorial diseases and other conditions

The following conditions were reported by practices in the provinces

Multifactorial diseases and other conditions	MP	G	L	NW	FS	KZN	EC	wc	NC
Abortions	х			х	х	х	х	х	
Stillbirths					х	х		х	
Abscesses	х	х		х	х	х	х	х	
Intestinal ulcers									
Bladder stones –urolithiasis	х				Х				х
Blindness	х				х	х	х	х	
Bloat	х	х			х	х		х	
Blue udder	х				х	х		х	
Diarrhoea	х	х	х	х	х	х		х	
Epididymitis	х							х	
Eye cancer	х				х	х		х	
Eye infections	х	х	х	х	х	х	х	х	х
Vestibular syndrome (middle ear infection)									
Skin lymphoma									
Joint ill	х			х	Х	х	х		
Cystitis									

Icterus								х
Lameness/foot problems	х	х		х	х	х	х	
Lung infection	х		х	х	х	х	х	
Mastitis	х		х	х	х	х	х	
Navel ill	х				х		х	
Umbilical hernia								
Red gut (sheep, torsion of gut)								
Rectal prolaps								
Rumen stasis								
Abdominal impaction								
Abdominal hernia								
Floppy kid synrome								
Swelsiekte								
Traumatic reticulo-pericarditis					х			
Trauma	х	х	х		х		х	х
Teeth wear								
Plastic bags (ingestion)								
Downer		х			х	х	х	х
Anaphylactic shock								
Vestibular syndrome (middle ear infection)	х							
Hernia								
Deformaties								
Wet carcases at abattoir								х

Yellow carcases at abattoir					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, Rift valley fever, etc. The necessary preventative measures can then be taken.

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	
Displaced abomasum	х				X	X		х	
Ketosis (Domsiekte)					X	X		х	х
Milk fever					Х	x		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 maize 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
Dystocia (difficult births)	х	х	х	х	х	х	х	x	х
Endometritis					х	х		x	
Metritis		х		х	х	х		х	
Hydrops									
Poor conception			х		х	х		х	
Retained afterbirth					х	х		х	
Sheath prolaps	х				х	х		х	

Uterine prolaps	X		х	х	X	х	х
Vaginal prolaps	х	х	х	х	х	х	
Penis injury							
Orchitis							

Secret of making money is to have an offspring of EACH heifer, cow, ewe or doe on the farm and wean that calf, lamb or kid EVERY YEAR!!

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	
Frozen to death								х	
Heat stress	х					х	х	х	
Lightning	х			х	х	х		х	
Electrocution									
Drought							х	х	х

Other conditions

	MP	G	L	NW	FS	KZN	EC	wc	NC
Dermatospraxis									
Genetic disorders									
Drug residues (milk, meat, liver, kidney etc)							х		
Preditors	х				х				

Theft/Sabotation	х			х	х		
Trauma (fractures etc)	x	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

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

Beestekraal – Dr. Alwyn Venter
Calvinia – Dr. Alwyn Venter
Cape Town – Dr. Sophette Gers
Gariep Dam – Dr. Marni Malan
George – Dr. Mark Chimes
Kuruman – Dr. Lea Shuda
Malalane – Drs. Van Sittert and Van Sittert
Vanderbylpark- Dr. Kobus Kok
Vryburg- Dr. Jurie Kritzinger

Wellington - Drs Van Zyl and Louw

Ostriches

Western Cape

Oudtshoorn

Tapeworms	2
Bont-legged ticks	3

Nuisance flies	3
Midges	1
Eye problems	Nusiance flies/ dust/ E coli. Severely affected sinusitis and conjunctivitus
Red gut	Feed intake up and down/ leads to GIT disturbance and Redgut – clostridial enteroxaemia
Red gut	3
Cryptosporidiosis	3
E. coli	2
Diarrhoea	2
Soil pica	High temp = high water intake = moist areas in camps and soil pica
Protein, Energy deficiency	3 - High temp result in feed refusal or poor intake – becomes a negative/ catabolic donward spiral
Rectal prolaps	Soil pica and heat stres = cryptosporidium overgrowth

Equines

Muldersdrift

African horse sickness – 1

Theileriosis - 2

Pretoria

Eye infection - 2

Limpopo

Makhado

African Horse Sickness - 2

Mokopane

Trauma – 1 Donkey

Laminitis – 2 Horses

Western Cape

Oudtshoorn

Colic – Five cases of impactin colic in farm horses – dry veldt grazing

Game

Gauteng

Pretoria

Internal parasites - 3

Resistant roundworms - 3

Heartwater ticks – 3

Brown ear-ticks – 3

Retained afterbirths - 1

Limpopo

Bela-Bela

Trauma – Bluewildebeest injured (wound) during fighting

Sable died – no diagnosis, carcass decomposed

Mineral deficiency - Sable, lighter colour change

Ticks - Many ticks after rains on all animals

Mokopane

Diseased - 1 Sable

Cancer – 1 – Lioness

Diseased – 1 Sable

Vaalwater

Theileriosis – Three roan calves

Free State

Bloemhof

Abortions – Sable probably due to heat stress

Hertzogville

Wireworm - 3 Sable

Smithfield

Rabies – White tailed mongoose (waaierstertmeerkat)

KwaZulu-Natal

Pongola

Lightning - 1

Northern Cape

Kimberley

Dystocia - Sable

Swine

Onderstepoort

Monthly report on Livestock and Wildlife isolations for January 2020 from Vetdiagnostix – Microbiology Laboratory, supplied by dr. Marijke Henton (henton@vetdx.co.za)

Microbiology

Trueperella [Corynebacterium, Actinomyces, Arcanobacterium] pyogenes can cause a variety of infections, such as abscesses, mastitis, metritis, abortion and pneumonia as well as being a co-infector in cases of footrot. Although it is sensitive to most antibiotics, infections do not respond well to treatment, as penetration of the affected area by antibiotics is poor. Lipophilic antibiotics such as fluroquinolones and doxycycline are recommended, as they penetrate tissues better than water soluble antibiotics such as penicillins and cephalosporins.

T. pyogenes is a poor immunogen, and the only available vaccine [OBP] is not very effective, due to this. The vaccine is also labour intensive to administer, as it requires 3 initial vaccinations, 10 days apart, and thereafter a single vaccination every 6 months for the rest of the animal's life. A new needle is needed for every injection in an infected herd, as the bacterium is easily transferred between animals if a single needle is used for more than one animal.

T. pyogenes survives well in the environment. It can live at least a month on thorns and barbed wire, survives well on the mouthparts of ticks. It forms part of the normal flora of the skin and mucous membranes of animals.

Trueperella pyogenes can cause infections in most animals but is common in ruminants [farm and wildlife] and pigs and is also regularly isolated from horses in South Africa.

It is very difficult to control once it is found on a farm due to its insidious nature and the poor immunity it generates, and so biosecurity is crucial.

T. pyogenes was isolated from severe infections of the bovine penis.

Bovine pneumonia was due to *Pasteurella multocida* [2], *Klebsiella pneumoniae* and *Salmonella* Typhimurium, and septicaemia due to Haemorrhagic Septicaemia *P. multocida* type B and *Salmonella* Dublin. Enteritis was associated with *E. coli* [13], of which 4 were ESBL [Extended Spectrum Beta Lactamase] very resistant strains, and one together with *Cryptosporidium*.

Moraxella bovis was associated with keratoconjunctivitis in cattle.

Mastitis was due to *Staphylococcus aureus* [3], *Streptococcus uberis* [2], *S. dysgalactiae* [3], *Corynebacterium amycolatum* [3], *E. coli, Klebsiella pneumoniae* and *Aeromonas hydrophila* [an opportunist found in rivers and dams].

Clostridial myositis was due to *Clostridium chauvoei* [2] and *C. novyi* in cattle; *C. novyi* in a sheep and *C. novyi* as well as *C. sordellii* in a White Rhino.

Bibersteinia trehalosi [was Pasteurella haemolytica T] caused pneumonia in a sheep. Enteritis was associated with E. coli [6] in lambs, one of which was a very resistant ESBL strain, and another together with Cryptosporidium. Abscesses in goats were due to Corynebacterium pseudotuberculosis, T. pyogenes and Staphylococcus pseudintermedius.

Streptococcus suis caused pneumonia in a pig and Pasteurella multocida in another. Streptococcus suis was septicaemic in a pig.

Klebsiella pneumoniae also caused pneumonia in a lion.

A White Rhino with an intractable conjunctivitis yielded a methicillin resistant *Staphylococcus aureus* and an ESBL positive *Aeromonas hydrophila*.

Monthly report: Dr Theo Kotzé – Moqhaka (Kroonstad) district

Veterinary Mastitis Consultant: Bovine Industry

0827849706@vodamail.co.za

0827849706

DIAGNOSTIC REPORT: January 2020

AMR: -milk

No new zoonotic or anti-microbial resistance of organisms found. No organisms of controlled diseases found.

Feedlot report received from Drs. Shaun Morris and Eben du Preez for January 2020 (edupreez1@telkomsa.net)

Condition	Comments and Specie
Intestinal roundworms	O 3

Liver fluke	В 3
Parafilaria	В 3
Cysticercosis	B 1
Blue ticks	В 3
Bont ticks	В 3
Brown earticks	В 3
Red-legged ticks	В 3, О 3
Bont-legged ticks	В 3, О 3
Nuisance flies	В 3, О 3
Blowflies	0 3
Midges	B 3, O 3
Sheep scab	01
Sarcoptes mange	В 3
Itch mite	01
Cryptosporidiosis	B 1
African red water	B 2
Asiatic red water	В 3
Anaplasmosis	В 3
Blackleg	B 2
Red gut	В 3
Blood gut	O 3
Pulpy kidney	O 3
Swelled head	0 1
E. coli	B 3, O 3

Ringworm	В 3
BVD	В 3
EBL	B 1
Warts	В 3
Organophosphate poisoning	В 3
Abortion	B 2
Joint ill	В 3
Lameness	В 3, О 3
Lungs	В 3, О 3
Diarrhoea	В 3, О 3
Eyes	В 3, О 3
Abscesses	В 3, О 3
Dystocia	B 1
Heat stroke	B 1
Trauma	В 3, О 3
Pericarditis	В 3, О 3
Diseases reported by farmers: Cattle:	
Redwater, anaplasmosis, acidosis	
Sheep: Pneumonia, bloat, foot rot	
Game: Brown ear-tick -severe	
infestation	

Monthly report for January 2020 from Dr R D Last (BVSc; M.Med.Vet(Path); MRCVS)

Specialist Veterinary Pathologist, Vetdiagnostix - Veterinary Pathology Services

LIVESTOCK DISEASE SURVEILANCE						
LIVESTOCK SPECIES	DISEASE AGENT	NO. CASES	LOCATION			

SHEEP ADULT	LISTERIA	1	MOOI RIVER, KZN
BOVINE ADULT	BVD MUCOSAL DISEASE	1	GAUTENG
			HUMANSDORP,
BOVINE CALVES	CRYPTOSPORIDIUM	1	E CAPE
			HUMANSDORP,
BOVINE ADULT	CESTRUM POISONING	1	E CAPE
	ACUTE RESPIRATORY DISTRESS		MIDDLEBURG,
BOVINE ADULT	SYNDROME	1	MPUMULANGA

WILDLIFE DISEASE SURVEILANCE								
WILDLIFE SPECIES DISEASE AGENT NO. CASES LOCATIO								
			KROONSTAD, FREE					
IMPALA LAMBS	CRYPTOSPORIDIOSIS	1	STATE					
			Grahamstown,					
WHITE RHINO, ADULT FEMALE	Genital leiomyoma	1	E. Cape					

Monthly report on Livestock and Wildlife isolations for January 2020 from IDEXX Laboratories supplied by dr. Liza du Plessis (<u>Liza-DuPlessis@idexx.com</u>)

Condition	Comments and Specie
Heartwater tick	B 1, E 1
Brown ear-tick	E 1
Red-legged tick	E 1
Red gut	B 1
Tuberculosis	B 1
E. coli	0 1
Gousiekte	B 1
Diarrhoea (bacterial)	O 1, P 1
Lung infection - bacterial	B 1, P 1
Equine sarcoid	E 1



Section of Pathology Department of Paraclinical Sciences Faculty of Veterinary Science

18th Dec, 2019 DAFF Import/Export Policy Unit Subdirectorate

Monthly report: Faculty of Veterinary Science cases Wildlife cases sent to referring veterinarians between 25th Oct and 18th Dec 2019

Cases from State vet Skukuza or Orpen (none)
Cases imported with master permit (none)

Wildlife cases sent to referring veterinarians between 18th Dec 2019 and 29th Jan 2020

Cases from State vet Skukuza or Orpen (none)
Cases imported with master permit (none)

PMDate	Species	Final	Histo No
13-Dec-19	Nile Crocodile	Starvation	S4001-19
17-Dec-19	Cheetah	Suspected choke	S4026-19
18-Dec-19	Lion	Ovarian cysts, uterine smooth muscle hyperplasia	S4048-19
23-Dec-19	Cheetah	Possible hepatic steatosis	S4079-19
30-Dec-19	Lion	Starvation	S4116-19
30-Dec-19	Macaw	Suspected anaphylaxis	S4115-19
09-Jan-20	Cheetah	Chronic renal disease	S90-20
16-Jan-20	Lion	Ovarian atrophy, leiomyomas, cystic endometrial hyperplasia	S169-20
16-Jan-20	Lion	Ovarian atrophy, leiomyomas, cystic endometrial hyperplasia	S170-20
16-Jan-20	Lion	Conjunctivitis; insect bite eyelid dermatitis	s173-19

Kind regards,

Thirly Witchell

Prof. Emily Mitchell

DISEASE DISTRIBUTION REPORT AS REPORTED BY VETERINARIANS

Table of Contents	
<u>Internal Parasites</u>	Roundworms in general, Resistant Round Worms, Wireworm, Nodular worm, Eye worm (<i>Thelazia rhodesii</i>), Tape Worms, <i>Parafilaria</i> , 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, Sucking lice (blue lice), Scab mites, Mange Mites, Nuisance Flies, Blowflies, Screwworm, Nasal bot larvae, Midges, Mosquitoes
<u>Tick-borne Diseases</u>	African red water, Asiatic red water, Anaplasmosis, Heartwater, Sweating Sickness, Theileriosis
Insect Transmittable Diseases	Lumpy skin disease, Three-day-stiffsickness, Blue tongue, Nagana
Venereal Diseases	Actinobacillus seminis, Trichomonosis, Vibriosis
Bacterial Disease (other)	Blackquarter, Botulism, Pulpy Kidney, Swelled head disease, Red gut (cattle), Blood gut (Sheep), Tetanus, Brucella abortus, Brucella ovis, Bovine Tuberculosis, Johne`s disease, Septicaemia, E. coli, Enzootic Abortion, Dermatophilosis (Lumpy Wool), Bovine Dermatophilosis (Senkobo disease), Fusibacterium necrophorum, Listeriosis, Other, Pasteurellosis
Protozoal diseases (other)	Coccidiosis, Cryptosporidium
Fungal diseases	<u>Ringworm</u>
<u>Viral Diseases (other)</u>	BMC, IBR (Infectious bovine rhinotracheitis), BRSV (Bovine respiratory syncytial virus), Foot-and-mouth Disease, Enzootic Bovine Leucosis (EBL), Orf, Warts, Rota virus, Other viral disease not listed
Poisonings (Plant) and Fungal	Cardiac glycoside poisoning, <i>Cestrum</i> , <i>Cynanchum</i> poisoning, Facial eczema, Geeldikkop/Dikoor, Gifblaar, Gousiekte, <i>Lantana</i> , Nitrate poisoning, Prussic acid poisoning, Seneciosis, Tulip Poisoning, Mycotoxicosis, Other
<u>Poisonings</u>	Water contamination, Urea Poisoning, Snake Bite, Chemical products, Other
Macro Nutritional Problems	Energy deficiency, Protein deficiency, Phosphate deficiency, Calcium deficiency
Micro Nutritional Problems	Copper deficiency, Zinc deficiency, Selenium deficiency, Magnesium deficiency, Iodine deficiency, Vitamin A deficiency, Vitamin B1 deficiency
Multi-factorial Disease Conditions	Abortions, Stillbirths, Abscesses, Abscesses in general, Bladder stones, Blindness, Bloat, Blood gut (sheep and goat), Blue udder, Diarrhoea, Epididymitis, Eye Cancer, Eye infections, Joint

	Ill, Lameness/Foot Problems, Lung infection, Mastitis in general, Navel Ill, Trauma, Downer, Other, Vestubular syndrome (Middle ear infection), Wet carcases Yellow cascses at abattoir								
Metabolic D	Acidosis, Displaced abomasum, Ketosis, Milk Fever								
Reproductiv	Dystocia (Difficult Births), Endometritis, Metritis, Poor conception, Retained afterbirth, Sheath Prolaps, Uterus prolaps, Vaqinal (Cervical) prolaps							n, <u>Retained</u> plaps	
Climatical C	<u>Cause</u>	Cold exposure, Drought, Heat stress, Lightning, Frozen to death						L	
Non specifi	<u>c diseases</u>		Cause of destablished pericarditis	l, <u>Predito</u>	rs, <u>Sabo</u>	tation/Theft,	<u>Trauma, Tr</u>	aumatic Ret	iculo-
Internal	Parasites								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.5 (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					2.5 (2)				
Free State Kroonstad,	Kroonstad Die	rehospita	al						
Sheep: 3	gepoort Dierel)					
Roundwo	orms in gene	eral							^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (3)	2.0 (2)	1.0 (2)	2.3 (3)	2.4 (9)	1.6 (7)	1.8 (6)	2.0 (4)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	2.0 (1)					1.7 (3)			
Dairy					3.0 (1)				
Sheep	2.0 (1)	2.0 (2)	1.0 (1)	2.3 (3)	2.4 (7)	1.3 (3)	2.0 (3)	2.0 (4)	

2.0 (1)	1.0 (1)	2.0	1.7.(2)	
Goat 2.0 (1)	1.0 (1)	$(1) \qquad 2.0$	0 (1) 1.7 (3)	
Mpumalanga				
Balfour, Balfour Diereklini	ek			
Beef: 2, Sheep: 2, Goat: 2				
Gauteng				
Pretoria, Anima Veterinary	Consulting Rooms			
Sheep: 3				
Pretoria, Onderstepoort A	ademic Hospital and Pr	roduction Anima	l Clinic	
Sheep: 1				
Limpopo				
Polokwane, Pietersburg Vo	eterinary Clinic			
Sheep: 1, Goat: 1				
North West				
Christiana, Christiana Dier	ehospitaal			
Sheep: 1				
Klerksdorp, Klerksdorp Die	rehospitaal			
Sheep: 3				
Ventersdorp, Ventersdorp	Dierekliniek			
Sheep: 3				
Free State				
Bloemfontein, Dr Stephan	Wessels			
Sheep: 3				
Clocolan, Clocolan Dierekl	niek			
Sheep: 1				
Hoopstad, Hoopstad Diere	kliniek			
Sheep: 3				
Parys, Parys Dierehospitaa	ıl			
Sheep: 2, Goat: 2				
Viljoenskroon, Viljoenskro	on Dierekliniek			
Sheep: 3				
Villiers, Wilgepoort Dierek	liniek Vennootskap			
Sheep: 2				
Winburg, Winburg Dierekl	iniek			
Dairy: 3, Sheep: 3				
Kwazulu-Natal				
Bergville, Tugela Vet Clinic	;			
Beef: 1, Sheep: 1				
Howick, Howick Veterinary	/ Clinic			
Sheep: 2				
Mooi River, Mooirivier Vet	Clinic			
Beef: 2, Sheep: 1				
Mtubatuba, Mtubatuba An	imal Clinic			
Beef: 2, Goat: 2				
Eastern Cape				
Graaff-Reinet, Camdeboo	Veterinary Clinic			
Sheep: 1, Goat: 1				
Graaff-Reinet, Graaff Rein	et Veterinary Clinic			
Sheep: 2, Goat: 2				
Uitenhage, Uitenhage Dier	ehospitaal			
Sheep: 3, Goat: 2				
Western Cape				
Beaufort West, Beaufort D	ierekliniek			
Sheep: 2				
Severe Nematodirus infestation	n in Merino.			

	Caledon, Caledon Dierekliniek									
	Sheep: 2									
Sheep: 2	Caledon, Overberg Veterinary Hospital									
	ırg, Tygerberg	Moorroos	hura							
Sheep: 2	iig, Tygerberg	Moorrees	bui g							
Sheep. 2										
Resistant	Round Wo	rms							^	
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average	1.0 (1)	2.5 (2)	l		2.5 (4)	1.0 (1)	1.5 (4)			
Loyal of impo	ortance scale: 1	– ono caco	2 – moro	than on	o caco b	ut loce than t	on and 3 –	more than	10 casos	
reported	ortance scale. 1	– One case	s, 2 – IIIOI e	ulan on	e case b	ut iess triair t	en anu 5 –	more than	TO Cases	
Sheep		2.5 (2)			2.5 (4)	1.0 (1)	1.5 (2)			
Goat	1.0(1)		,				1.5 (2)			
Mpumalang	. ,						(-)			
	a four Diereklin	iek								
Goat: 1	iodi Diciokiiii	i Cik								
Gauteng										
	spruit, Kerkstr	aat Dierel	kliniek							
Sheep: 2	pruny nemet	uu (XIIIII GIX							
	ima Veterinar	v Consulti	ing Rooms	3						
Sheep: 3		,								
Free State										
	in, Dr Stephan	Wessels								
Sheep: 2	,									
	loopstad Diere	ekliniek								
Sheep: 3	-									
	Ladybrand Die	erekliniek								
Sheep: 3										
Reitz, Riem	land Dierehos	oitaal								
Sheep: 2										
Kwazulu-Na	ıtal									
Bergville, Tu	ugela Vet Clini	С								
Sheep: 1										
Eastern Cape										
Graaff-Reinet, Camdeboo Veterinary Clinic										
Sheep: 1, Goat: 1										
Graaff-Reinet, Graaff Reinet Veterinary Clinic										
Sheep: 2, Goat: 2										
Wireworr	n								<u>^</u>	
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	

					2.5				
Average	2.5 (6)	2.2 (5)	2.5 (2)	2.8 (5)	2.5 (10)	2.2 (5)	3.0 (1)	2.0(1)	3.0 (1)
					(10)				
Level of imp	ortance scale: 1	= one case	e, 2 = more	e than one	e case bu	ıt less than to	en and 3 =	more than 1	0 cases
reported		00	, =						0 00000
•					0.5				
Sheep	2.5 (6)	2.7 (3)	2.5 (2)	2.8 (5)	2.5	2.0 (4)	3.0 (1)	2.0(1)	3.0 (1)
	` '				(10)			(/	
Goat		1.5 (2)				3.0 (1)			
Mpumalang	ga								
Bethal, Bet	hal Diereklinie	k							
Sheep: 1									
Lydenburg,	, Longtom Dier	ekliniek							
Sheep: 3									
Middelburg	, Neil Fourie V	eeartseny	dienste						
Sheep: 3									
3 +++									
Piet Retief,	Pets Vet Hosp	ital							
Sheep: 2									
Standerton	, Econovet								
Sheep: 3									
	Cape Cross Vol	ksrust Die	rehospita	al					
Sheep: 3									
Two died on	one farm. On sa	ame farm la	mbs with (Cryptospoi	<i>ridium</i> di	arrhoea			
Gauteng									
	spruit, Kerkstı	raat Dierel	diniek						
Sheep: 3, Go									
	raal, Themba	Animal Cli	nic						
Sheep: 2, Go									
	ft, Muldersdrif	t Animal H	ospital						
Sheep: 3									
Limpopo									
	Blouberg Diere	kliniek							
Sheep: 2									
Six cases									
	Bundu Veterir	nary Servi	ces						
Sheep: 3									
North West									
	Dierekliniek								
Sheep: 2									
	ıstad, Leeudori	ingstad Di	erekliniek	<u> </u>					
Sheep: 3									
Ottosdal, Lakensvlei Dierehospitaal									
Sheep: 3									
Potchefstroom, Morvet									
Sheep: 3									
	Reneke, Buffe	Idoorn Die	rekliniek	SR					
Sheep: 3									
Free State									
	locolan Dierek	liniek							
Sheep: 1	00000000000000000000000000000000000000	iono Desal	lato						
	Oosvrystaat D	iere Produ	кте						
Sheep: 3	F	. leli ! - !							
ггапктогt, I	Frankfort Diere	ekiiniek							

Sheep: 3									
	e, Hertzogville	Diereklini	ek						
Sheep: 2	, nerczogrine	Dici Ckiiii							
	Hoopstad, Hoopstad Dierekliniek								
Sheep: 3	loopstaa Diere	Killick							
	Kroonstad Die	rehosnita	al l						
Sheep: 3	iti oonstaa Die	renospita	aı.						
	Ladybrand Die	rokliniok							
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	land Dierehos	sitaal							
Sheep: 2	ialiu Dielelios	Jilaai							
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Sheep: 3	ilekai Dielekiii	IIICK							
	gepoort Dierek	diniak Va	nnootokan						
Sheep: 2	дероог с ртеген	tilliek vei	шооськар						
Kwazulu-Na	utal .								
	n, Camperdov	ın Vot Cli	nio.						
Sheep: 1	n, Camperdov	vii vet Ciii	IIC						
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	aumeni nera r	learui							
Sheep: 2	toourt Vot Clir	.i.a							
Sheep: 3, Go	tcourt Vet Clir	IIC							
		a, Clinia							
	wick Veterinar	y Clinic							
Sheep: 2	_								
Eastern Cap			l						
	Steynsburg D	ierenospi	taai						
Sheep: 3									
Western Ca		! 4 !							
	orge Animal Ho	ospitai							
Sheep: 2									
Northern Ca	-		- 1						
	Karoo Veterina	iry Hospit	aı						
Sheep: 3									
Nodular v	worm								^
				North	Erco	Kwazulu-	Eastern	Western	Northern
PROVINCE	Mpumalanga	Gauteng	Limpopo	West	State		Cape	Cape	Cape
Average							3.0 (1)		
Lovel of the				Hans -	!	ut loop the service	on on J 2	manun Elener	10
reported	ortance scale: 1	= one case	e, 2 = more	tnan on	e case b	ut less than t	en and 3 =	more than .	10 cases
Sheep							3.0 (1)		
Eastern Cap	e								
	Steynsburg D	ierehospi	taal						
Sheep: 3									
Eye worn	1 (Thelazia	rhodesii)						^
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)						
Free State											
Clocolan, Cl	ocolan Dierek	liniek									
Beef: 1											
Tape Wo	rms								^		
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Average	2.0 (4)	2.5 (2)	1.0 (2)		1.7 (3)	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 t	en and 3 =	more than :	10 cases		
Beef	2.0 (2)	2.0 (1)				2.0 (1)					
Sheep	2.0 (2)	3.0 (1)	1.0 (1)		1.7 (3)		3.0 (1)				
Goat			1.0(1)				2.0 (1)				
Mpumalang	a										
	Longtom Dier	ekliniek									
Beef: 2, Shee	p: 2										
Standerton,											
Beef: 2, Shee	p: 2										
Gauteng											
Beef: 2	spruit, Kerkstr	aat Dierei	Kliniek								
	elegen Dierekl	liniok									
Sheep: 3	elegeli Dieleki	IIIICK									
Lambs											
Limpopo											
Polokwane,	Pietersburg V	eterinary	Clinic								
Sheep: 1, Go	at: 1										
Free State											
	ocolan Dierek	liniek									
Sheep: 1	-										
	on, Viljoenskro	on Dierel	kliniek								
Sheep: 2	noncout Direct	dimini- W									
	Villiers, Wilgepoort Dierekliniek Vennootskap										
Sheep: 2 Kwazulu-Natal											
	zburg, Veterin	arv House	Hospital								
Beef: 2		, 110u3c	opiui								
Eastern Cap	e										
	et, Graaff Reir	net Veteri	nary Clinic								

Sheep: 3	, Steynsburg D								
Parafilari	ia								
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northeri Cape
Average			2.0 (1)	3.0 (1)		2.0 (2)			3.0 (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)	3.0 (1)		2.0 (2)			3.0 (1)
Limpopo	<u></u>					(-)			
	Pietersburg V	eterinary	Clinic						
Beef: 2		•							
North West									
	a Dierekliniek								
Beef: 3									
(wazulu-Na			_						
	Mtubatuba Ar	nimal Clin	ic						
Beef: 2									
	death Date and A	/ L							
	yheid Privaat \	/eeartse							
Beef: 2		/eeartse							
Beef: 2 Northern Ca Kimberley, I									
Beef: 2 Northern Ca Kimberley, 1 Beef: 3	ape Kimberley Die								
Beef: 2 Northern Ca Kimberley, Beef: 3 Seen at abatt	ape Kimberley Die								
Beef: 2 Northern Ca Kimberley, Beef: 3 Seen at abatt Liver fluk	ape Kimberley Die	rekliniek	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northeri Cape
Beef: 2 Northern Ca Kimberley, Beef: 3 Seen at abatt Liver fluk	ape Kimberley Die coir	rekliniek	Limpopo 1.0 (1)						
Beef: 2 Northern Ca Kimberley, Beef: 3 Been at abatt Liver fluk PROVINCE	npe Kimberley Die Toir Ke Mpumalanga	rekliniek Gauteng	1.0 (1)	West	2.0 (2)	Natal 2.0 (4)	Cape	Саре	Саре
Seef: 2 Northern Ca Kimberley, 1 Seef: 3 Seen at abatt Liver fluk PROVINCE Average Level of impore	Mpumalanga	rekliniek Gauteng	1.0 (1)	West	2.0 (2)	Natal 2.0 (4)	Cape	Саре	Саре
Seef: 2 Northern Ca Kimberley, I Seef: 3 Seen at abatt Liver fluk PROVINCE Average Level of impore ported Seef	Mpumalanga 1.7 (3) ortance scale: 1	rekliniek Gauteng	1.0 (1) e, 2 = more	West	2.0 (2) e case b	Natal 2.0 (4) ut less than t	Cape	Саре	Саре
Beef: 2 Northern Ca Kimberley, Beef: 3 Been at abatt Liver fluk PROVINCE Average Level of impore ported Beef Dairy	Mpumalanga 1.7 (3) ortance scale: 1	rekliniek Gauteng	1.0 (1) e, 2 = more	West	2.0 (2) e case b	2.0 (4) ut less than t 2.0 (3)	Cape	Саре	Саре
Beef: 2 Northern Ca Kimberley, I Beef: 3 Been at abatt Liver fluk PROVINCE Average Level of impore ported Beef Dairy Sheep	Mpumalanga 1.7 (3) ortance scale: 1 1.5 (2) 2.0 (1)	rekliniek Gauteng	1.0 (1) e, 2 = more	West	2.0 (2) e case b	2.0 (4) ut less than t 2.0 (3)	Cape	Саре	Саре
Seef: 2 Northern Ca Kimberley, 1 Seef: 3 Seen at abatt Liver fluk PROVINCE Average Level of impore ported Seef Dairy Sheep Mpumalang	Mpumalanga 1.7 (3) ortance scale: 1 1.5 (2) 2.0 (1)	Gauteng = one case	1.0 (1) e, 2 = more	West	2.0 (2) e case b	2.0 (4) ut less than t 2.0 (3)	Cape	Саре	Саре

Polokwane, Pietersburg Veterinary Clinic

Beef: 1

Free State									
	in, Dr Stephan	Wessels							
Beef: 2	ili, Di Stepliali	I WC33CI3							
	Freestate Smit	thfiold SV							
Beef: 2	rieestate Siiii	uiiieiu Sv							
Mohokare									
Kwazulu-Na	tal								
		ar Clinic							
	wick Veterinar	y Clinic							
Beef: 2, Dairy	/: ∠ Mooirivier Vet	Clinic							
Beef: 1	MOOIIIVIEI VEI	Cillic							
	Underberg Ve	torinary S	urgory						
Beef: 3	Oliderberg ve	termary 3	uigeiy						
Conical F	lukes								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)				1.7 (3)	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	1.0 (1)				2.0 (1)	2.0 (2)			
Sheep					1.5 (2)				
Mpumalang									
Balfour, Bal	four Diereklin	iek							
Beef: 1									
Free State									
	gepoort Dierel	kliniek Ve	nnootskap)					
Beef: 2, Shee									
	n, Wesselsbro	n Dierekli	niek						
Sheep: 1									
Kwazulu-Na									
	Mooirivier Vet	Clinic							
Beef: 2									
	zburg, Veterin	ary House	e Hospital						
Beef: 2									
Cysticerc	osis								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average						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						2.0 (1)			
						2.0 (1)			

Dairy						2.0 (1)			
Kwazulu-Na	ntal								
Howick, Ho	wick Veterinar	y Clinic							
Beef: 2, Dairy	<i>y</i> : 2								
External	Parasites								
EXCOLUTION	T di doices								
Blue ticks	5								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.3 (6)		2.3 (3)	2.5 (2)	2.7 (11)	2.8 (10)	2.3 (3)	2.7 (3)	
Level of impore	ortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than to	en and 3 =	more than 1	10 cases
Beef	2.2 (5)		3.0 (1)	2.5 (2)	2.7 (9)	2.8 (9)	2.5 (2)	2.5 (2)	
Dairy				•		3.0 (1)		3.0 (1)	
Sheep	3.0 (1)		2.0 (1)		3.0 (2)		2.0 (1)		
Goat			2.0 (1)						
Mpumalang	3		2.0 (1)						
	four Diereklini	iek							
Beef: 1									
Grootvlei, G	rootvlei Diere	kliniek							
Beef: 2									
Lydenburg,	Lydenburg Die	erespreek	kamer						
Beef: 3, Shee	ep: 3								
Nelspruit, N	lelspruit Anima	al Hospita	ı						
Beef: 2									
Standerton,	Econovet								
Beef: 3									
Limpopo									
	Pietersburg V	eterinary	Clinic						
	ep: 2, Goat: 2								
North West		- •	•						
Beef: 2	Klerksdorp Di	erenospit	aaı						
	. Vontoredorn	Dioroklir	iok						
Beef: 3	o, Ventersdorp	Dielekili	IIEK						
Free State									
	ocolan Dierek	liniek							
Beef: 2	Jesian Dierek	·····CK							
	rankfort Diere	kliniek							
Beef: 3	OI C DIOI C								
	loopstad Diere	ekliniek							
Beef: 3, Shee									
	Ladybrand Die	erekliniek							
Poofu 2	-								

Beef: 3

Memel, Memel Veterinary Clinic

Beef: 2									
	s Dierehospita	 al							
Beef: 3	3 Dierenospita	iai							
	on, Viljoenskr	oon Diere	kliniek						
Beef: 3, Shee		JOI: 210: 0							
	gepoort Diere	kliniek Ve	nnootskap)					
Beef: 2	<u> </u>								
Winburg, W	/inburg Dierek	liniek							
Beef: 3									
Kwazulu-Na									
Bergville, B	ergville Veteri	nary Clini	c						
Beef: 3									
	ugela Vet Clin	ic							
Beef: 2									
	dumeni Herd I	nealth							
Beef: 3	*-1 */-1- *	OI:							
	wick Veterina	ry Clinic							
Beef: 3, Dair	y: 3 Mooirivier Ve	t Clinic							
Mooi River, Beef: 2	1-100111VIEI VE	Cillic							
	Mtubatuba Aı	nimal Clin	ic						
Beef: 3	, i itabataba Al	ui Cilli							
	zburg, Veterin	arv House	e Hospital						
Beef: 3		,							
	Underberg Ve	terinary S	Surgery						
Beef: 3		•							
Vryheid, Vr	yheid Privaat \	/eeartse							
Beef: 3									
Eastern Cap	oe e								
	h, Hertzogbrug	g Dierekli	niek						
Beef: 2, Shee	•								
	et, Graaff Rei	net Veteri	nary Clinic	3					
Beef: 3									
Western Ca									
	orge Animal H	ospital							
Beef: 3, Dair		D: I - I : - :	-1-						
	y, Groenkloof	Diereklini	ек						
Beef: 2									
Resistan	t blue Ticks								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					3.0 (1)	2.0 (2)		2.0 (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 Beef					3.0 (1)	2.0 (2)			
reported						2.0 (2)		2.0 (1)	I

Winburg, W	Winburg, Winburg Dierekliniek											
Beef: 3												
Kwazulu-Na	ital											
Bergville, Be	ergville Veteri	nary Clini	С									
Beef: 2												
Pietermarit	zburg, Veterin	ary House	Hospital									
Beef: 2												
Western Ca	ре											
Caledon, Ov	erberg Veterii	nary Hosp	ital									
Dairy: 2												
Heartwat	er (Bont) ti	cks							^			
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape			
Average	2.3 (3)	3.0 (5)	3.0 (3)			1.9 (16)	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 (3)	3.0 (2)	3.0 (1)			2.0 (8)						
Dairy						2.0 (1)						
Sheep		3.0 (2)	3.0 (1)			1.3 (3)						
Goat		3.0 (1)	3.0 (1)			2.3 (4)	1.0 (1)					
Mpumalang												
	Longtom Dier	ekliniek										
Beef: 2												
	Lydenburg Die	erespreek	kamer									
Beef: 2			_									
	elspruit Anima	al Hospita										
Beef: 3												
Gauteng	aal Thomba A	nimal Cli	nic									
Beef: 3, Shee	raal, Themba A	Animai Cii	піс									
	ima Veterinar	v Concult	ina Doome									
Beef: 3, Shee		y Consuit	ing Rooms)								
Limpopo	p. 5											
	Pietersburg V	eterinary	Clinic									
Beef: 3, Shee		, , , , , , , , , , , , , , , , , , ,										
Kwazulu-Na												
	ergville Veteri	nary Clini	С									
Beef: 3		•										
Bergville, Tu	ugela Vet Clini	С										
Beef: 2, Shee												
Camperdow	n, Camperdov	vn Vet Cli	nic									
Beef: 2												
	dumeni Herd h	ealth										
Beef: 2, Shee	•											
	wick Veterinar	y Clinic										
Beef: 1, Dairy												
	Mtubatuba Ar	nimal Clin	ic									
Beef: 3, Goat												
Pietermarit	zburg, Veterin	ary House	Hospital									

Beef: 2									
	ngola Animal	Clinia							
Beef: 1, Shee		Cillic							
Eastern Cap									
-	r Jane Pistoriu	ıc							
Goat: 1	Jane Pistoriu	15							
	maintain immui	nity							
		incy							
Brown ea	r-ticks						,		_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.8 (6)	2.5 (2)	3.0 (4)	2.5 (2)	2.0 (6)	2.6 (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	2.8 (6)	2.5 (2)	3.0 (2)	2.5 (2)	2.0 (6)	2.6 (5)			
Sheep			3.0 (1)						
Goat			3.0 (1)						
Mpumalang	а		(/	<u> </u>					
	- four Diereklin	iek							
Beef: 2									
Lydenburg,	Longtom Dier	ekliniek							
Beef: 3									
Lydenburg,	Lydenburg Die	erespreek	kamer						
Beef: 3									
Piet Retief,	Pets Vet Hosp	ital							
Beef: 3									
Standerton,	Econovet								
Beef: 3									
	Cape Cross Vol	ksrust Die	erehospita	al					
Beef: 3									
Gauteng Bronkhorste	spruit, Kerkstr	aat Diara	kliniok						
Beef: 2	priuit, Kerkstr	aat Diere	KIIIIEK						
	ima Veterinar	v Consul+	ina Rooms						
Beef: 3	iu veteiiiai	, consuit	9 1.001113						
Limpopo									
	Pietersburg V	eterinary	Clinic						
Beef: 3, Shee		,							
	2 Farm Practi	ce							
Beef: 3									
North West									
	Klerksdorp Di	erehospit	aal						
Beef: 2									
	o, Ventersdorp	Diereklir	niek						
Beef: 3									
Free State	acalan Diarak								

Clocolan, Clocolan Dierekliniek

Beef: 1

Memel, Memel Veterinary Clinic Beef: 2 Parys, Parys Dierehospitaal Villiers, Wilgepoort Dierekliniek Vennootskap Vrede, Vrede Dierehospitaal Beef: 1 Winburg, Winburg Dierekliniek Beef: 3 Kwazulu-Natal **Bergville, Bergville Veterinary Clinic** Beef: 3 **Estcourt, Estcourt Vet Clinic** Beef: 3 Mtubatuba, Mtubatuba Animal Clinic Beef: 2 Pietermaritzburg, Veterinary House Hospital Beef: 2 Vryheid, Vryheid Privaat Veeartse Beef: 3 **Bont-legged ticks** Kwazulu-Western Northern North Free Eastern PROVINCE Mpumalanga Gauteng Limpopo West State Natal Cape Cape Cape **Average** 1.5 (2) 2.4(5)3.0 (4) 2.9 (8) 2.3 (4) 3.0(2) 2.0(2)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 2.6 **Beef** 1.5 (2) 2.3(3)3.0(2)2.3 (4) 3.0(1)2.0(1)3.0(1)2.8 3.0 (2) Sheep 2.5(2)3.0(1) 3.0(1)2.0(1)(5)Goat 3.0(1)**Mpumalanga Balfour, Balfour Dierekliniek** Beef: 1 Lydenburg, Longtom Dierekliniek Beef: 2 Gauteng **Bronkhorstspruit, Kerkstraat Dierekliniek** Magaliesburg, Magaliesburg; Dr Ryan Jeffrey Beef: 2 Tick bite wounds

Muldersdrift, Muldersdrift Animal Hospital Sheep: 3

Pretoria, Anima Veterinary Consulting Rooms

Beef: 2, Sheep: 2

Limpopo

Polokwane, Pietersburg Veterinary Clinic Beef: 3, Sheep: 3, Goat: 3 **Tzaneen, ZZ2 Farm Practice** Beef: 3 **North West** Christiana, Christiana Dierehospitaal Beef: 3 Klerksdorp, Klerksdorp Dierehospitaal Beef: 3, Sheep: 3 Leeudoringstad, Leeudoringstad Dierekliniek Beef: 2 Schweizer-Reneke, Buffeldoorn Dierekliniek SR Beef: 3 Stella, Stella Dierekliniek Beef: 3, Sheep: 3 Ventersdorp, Ventersdorp Dierekliniek Beef: 3 **Free State Bloemfontein, Dr Stephan Wessels** Beef: 3, Sheep: 3 Clocolan, Clocolan Dierekliniek Beef: 2 Frankfort, Frankfort Dierekliniek Hoopstad, Hoopstad Dierekliniek Beef: 3, Sheep: 3 Kroonstad, Kroonstad Dierehospitaal Beef: 3, Sheep: 3 **Memel, Memel Veterinary Clinic** Beef: 2 Parys, Parys Dierehospitaal Beef: 3 Viljoenskroon, Viljoenskroon Dierekliniek Beef: 3, Sheep: 3 Wesselsbron, Wesselsbron Dierekliniek Beef: 1, Sheep: 2 Winburg, Winburg Dierekliniek Beef: 3 Kwazulu-Natal **Bergville, Bergville Veterinary Clinic** Beef: 3 Dundee, Endumeni Herd health Beef: 3 **Mooi River, Mooirivier Vet Clinic** Beef: 2 **Pongola, Pongola Animal Clinic** Beef: 1 **Eastern Cape** Steynsburg, Steynsburg Dierehospitaal Beef: 3, Sheep: 3 **Western Cape Beaufort West, Beaufort Dierekliniek**

Sheep: 2

Beef: 2

Malmesbury, Groenkloof Dierekliniek

Piketberg										
Northern Ca	ape									
Postmasburg, Postmasburg Dierekliniek										
Beef: 3	g, i ostiliassa	ig Dicici								
Red-legg	ed ticks								^	
				Novella	Fuee	Kwazulu-	Factous	Western	Novthovo	
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	State		Eastern Cape	Western Cape	Northern Cape	
Average	3.0 (1)			3.0 (2)	2.6 (7)	2.3 (3)	2.0 (1)	2.0 (1)	3.0 (1)	
Level of impore	ortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than t	en and 3 =	more than :	10 cases	
Beef	3.0 (1)			3.0 (2)	2.5 (4)	2.3 (3)		2.0 (1)	3.0 (1)	
Sheep					2.7 (3)					
Goat							2.0 (1)			
Mpumalang	а									
Lydenburg,	Lydenburg Die	erespreek	kamer							
Beef: 3										
North West										
	Christiana Die	rehospita	al							
Beef: 3										
	Reneke, Buffe	ldoorn Die	erekliniek	SR						
Beef: 3										
Free State										
	ocolan Dierek	liniek								
Beef: 2										
	loopstad Diere	ekliniek								
Beef: 3, Shee										
	nel Veterinary	Clinic								
Beef: 2, Shee		-1								
	s Dierehospita	aı								
Beef: 3, Shee Kwazulu-Na										
	ataı ergville Veteri	nany Clini	_							
Beef: 2	ergyme veteri	nary Cimi	L							
	Mooirivier Vet	t Clinic								
Beef: 2	-iooiiiviei vei	Cinnic								
	Underberg Ve	terinary S	urgery							
Beef: 3	Judiberg Ve	community o	y							
Eastern Cap	e									
	r Jane Pistoriu	IS								
Goat: 2										
Western Ca	pe									
	y, Groenkloof I	Diereklini	ek							
Beef: 2										
Northern Ca	аре									
	nu Dierekliniek	(
Beef: 3										

Paralysis	ticks								_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average				1.0 (1)	1.3 (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					1.0 (1)				
Sheep				1.0 (1)	1.5 (2)				
North West									
	Klerksdorp Di	erehospit	aal						
Sheep: 1 Free State									
	rankfort Dioro	kliniok							
Sheep: 2	rankfort Diere	KIIIIEK							
	land Dierehos	nitaal							
Beef: 1	idiid Diciciios	ricuai							
Villiers, Wil	gepoort Dierel	diniek Ve	nnootskap						
Sheep: 1	-		•						
Sucking I	ice (blue lic	e)							^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average				2.0 (1)					3.0 (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)					
Goat									3.0 (1)
North West									3.0 (1)
	Klerksdorp Di	erehosnit	aal						
Beef: 2	MCIRSGOIP DI	Crenospit	wwI						
Northern Ca	ipe								
	g, Postmasbu	rg Dierekl	liniek						
Scab mite	es								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					3.0 (1)				

					3.0				
Sheep					(1)				
ree State						•			
heep: 3	gepoort Dierel	Kliniek Vei	nnootskap)					
lready repor	ted to State vet	erinarian, s	sheep bougl	ht in fron	n the Ea	stern Cape			
Mange M	ites								
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.0 (1)		2.0 (1)		
_evel 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
					2.0		2.0 (1)		
eef					(1)		2.0 (1)		
					(1)		2.0 (1)		
ree State /illiers, Wil	gepoort Dierel	kliniek Ver	nnootskap)	(1)		210 (1)		
ree State /illiers, Wilg Beef: 2		kliniek Ve	nnootskap)	(1)		2.0 (1)		
ree State /illiers, Wil Beef: 2 Bastern Cap Alexandria,					(1)		2.0 (1)		
ree State Villiers, Wil Beef: 2 Bastern Cap Mexandria,	e				(1)		2.0 (1)		
ree State /illiers, Wild Beef: 2 Fastern Cap Alexandria, Beef: 2	e Alexandria Pla				(1)				
Free State /illiers, Wilgeef: 2 Fastern Cap Alexandria, Beef: 2 Nuisance	e Alexandria Pla	atteland S	preekkam		Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northerr Cape
ree State Villiers, Wilgeef: 2 Gastern Cap Alexandria, Beef: 2 Nuisance PROVINCE	e Alexandria Pla Flies	atteland S	preekkam	ner North	Free State		Eastern Cape	Cape	
Free State /illiers, Wilders, Wilders, Wilders, Wilders, Wilders, 2 Alexandria, Beef: 2 Nuisance PROVINCE Average Level of impo	e Alexandria Pla Flies Mpumalanga	atteland S	preekkam Limpopo	North West	Free State	Natal 2.3 (12)	Eastern Cape 2.0 (1)	Cape 2.7 (7)	Cape
Free State //illiers, Wilders,	Flies Mpumalanga	atteland S	preekkam Limpopo	North West	Free State 2.6 (7) e case b	Natal 2.3 (12)	Eastern Cape 2.0 (1)	Cape 2.7 (7)	Cape
Beef: 2 Eastern Cap Alexandria, Beef: 2 Nuisance PROVINCE Average	Alexandria Pla Flies Mpumalanga 2.6 (5) ortance scale: 1	atteland S	preekkam Limpopo	North West 3.0 (2)	Free State 2.6 (7) e case b 2.5 (4) 3.0 (1)	Natal 2.3 (12) ut less than t	Eastern Cape 2.0 (1) en and 3 =	Cape 2.7 (7) more than	
Free State //illiers, Wilders,	Alexandria Pla Flies Mpumalanga 2.6 (5) ortance scale: 1	atteland S	preekkam Limpopo	North West 3.0 (2)	Free State 2.6 (7) e case b 2.5 (4) 3.0 (1)	2.3 (12) ut less than to 2.4 (7)	Eastern Cape 2.0 (1) en and 3 =	2.7 (7) more than 2.0 (1)	Cape

Beef: 2

Lydenburg, Longtom Dierekliniek

Beef: 3							
Lydenburg, Lydenburg Dierespreekk	camer						
Beef: 3, Sheep: 3							
Nelspruit, Nelspruit Animal Hospital							
Beef: 2							
North West							
Christiana, Christiana Dierehospitaa	ıl						
Beef: 3, Sheep: 3	··•						
Free State							
Clocolan, Clocolan Dierekliniek							
Beef: 2							
Kroonstad, Kroonstad Dierehospitaa							
Beef: 3, Dairy: 3, Sheep: 3	••						
Villiers, Wilgepoort Dierekliniek Ven	nootskan						
Beef: 2, Sheep: 2	пооскар						
Winburg, Winburg Dierekliniek							
Beef: 3							
Kwazulu-Natal							
Bergville, Bergville Veterinary Clinic							
Beef: 3							
Dundee, Endumeni Herd health							
Beef: 2, Dairy: 3							
Howick, Howick Veterinary Clinic							
Beef: 3, Dairy: 3							
Mtubatuba, Mtubatuba Animal Clinic							
Beef: 2	L .						
Pietermaritzburg, Veterinary House	Hospital						
Beef: 3	поэрна						
Pongola, Pongola Animal Clinic							
Beef: 1, Sheep: 1, Goat: 1							
Underberg, Underberg Veterinary Su	Iraory						
Beef: 3, Dairy: 3	шусту						
Eastern Cape							
Alexandria, Alexandria Platteland Sp	arookka m	^r					
Beef: 2	ргееккапп	EI					
Western Cape							
George, George Animal Hospital							
Dairy: 3							
Malmesbury, Dr Otto Kriek							
Dairy: 3	.l.e						
Malmesbury, Groenkloof Diereklinie	:K						
Dairy: 3	.:						
Malmesbury, Malmesbury Dierehosp	ntaai						
Dairy: 3	ماء						
Oudtshoorn, Oudtshoorn Diereklinie	eK .						
Beef: 2, Sheep: 2							
Swellendam, Swellendam Dierehosp	oitaai						
Dairy: 3							
Blowflies							^
PROVINCE Mpumalanga Gauteng I	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape

		l							ı
Average	2.4 (5)				2.4 (5)	2.5 (4)		2.3 (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	2.3 (3)				2.5 (2)	3.0 (1)		2.0 (1)	
Dairy						2.0 (1)		3.0 (1)	
Sheep	2.5 (2)				2.3 (3)	2.5 (2)		2.0 (1)	
Mpumalang									
	lfour Diereklin	iek							
Beef: 2, Shee									
	Longtom Dier	ekliniek							
Beef: 2									
	Lydenburg Di	erespreek	kamer						
Beef: 3, Shee	ep: 3								
Free State									
	locolan Dierek	liniek							
Beef: 2	Is south a Disco	. . ! ! . .							
Sheep: 3	Hoopstad Dier	екипіек							
	Kroonstad Die	rohocnita	اد						
Sheep: 2	KI OOIIStau Die	enospita	aı						
	gepoort Dierel	kliniek Ve	nnootskan	`					
Sheep: 2	gepoort Dierei	Killinek ve	шооскар						
	/inburg Dierek	liniek							
Beef: 3									
Kwazulu-Na	atal								
	wick Veterina	ry Clinic							
Dairy: 2, She	ep: 2	-							
Underberg,	Underberg Ve	terinary S	Surgery						
Beef: 3, Shee	ep: 3								
Western Ca									
Malmesbur	y, Malmesbury	Dierehos	pitaal						
Dairy: 3									
	, Oudtshoorn	Diereklini	ek						
Beef: 2, Shee	ep: 2								
Screw-w	orm								<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 impreported	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)								
	1.0 (1)				_				

2.0 Sheep (2)**Mpumalanga Nelspruit, Nelspruit Animal Hospital** Beef: 1 **Free State** Reitz, Riemland Dierehospitaal Sheep: 2 Senekal, Senekal Dierekliniek Sheep: 2 Nasal bot larvae North Free Kwazulu-Eastern Western Northern **PROVINCE Mpumalanga Gauteng Limpopo** West State Natal Cape Cape Cape 2.3 3.0(1) 3.0(2)1.0(1)2.0(1)Average (6)Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported 3.0(1) 3.0(2)1.0(1)Sheep 2.0(1)**Mpumalanga** Lydenburg, Longtom Dierekliniek Sheep: 3 **North West** Leeudoringstad, Leeudoringstad Dierekliniek Ottosdal, Lakensvlei Dierehospitaal Sheep: 3 **Free State** Hoopstad, Hoopstad Dierekliniek Sheep: 3 Ladybrand, Ladybrand Dierekliniek Sheep: 3 Reitz, Riemland Dierehospitaal Sheep: 2 Senekal, Senekal Dierekliniek Sheep: 1 Villiers, Wilgepoort Dierekliniek Vennootskap Sheep: 3 Wesselsbron, Wesselsbron Dierekliniek Sheep: 2 **Kwazulu-Natal Dundee, Endumeni Herd health** Sheep: 2 **Western Cape** Stellenbosch, Stellenbosch Animal Hospital Sheep: 1 **Midges**

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	3.0 (7)			3.0 (5)	2.2 (5)	3.0 (4)	3.0 (2)	1.7 (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	3.0 (3)			3.0 (3)	2.3 (4)	3.0 (2)		1.0 (1)	
Dairy						3.0 (1)			
Sheep	3.0 (3)			3.0 (2)	2.0 (1)	3.0 (1)	3.0 (1)	2.0 (2)	
Goat	3.0 (1)						3.0 (1)		
Mpumalanga Balfour, Balfour Dierekliniek Beef: 3, Sheep: 3, Goat: 3									
Lydenburg, Longtom Dierekliniek									
Beef: 3, Sheep: 3 Standerton, Econovet Beef: 3, Sheep: 3									
North West									
Christiana, Christiana Dierehospitaal									
Beef: 3, Sheep: 3									
Leeudoringstad, Leeudoringstad Dierekliniek Beef: 3									
Ventersdorp, Ventersdorp Dierekliniek									
Beef: 3, Sheep: 3									
Free State									
Clocolan, Clocolan Dierekliniek									
Beef: 3									
Memel, Memel Veterinary Clinic									
Beef: 1									
Villiers, Wilgepoort Dierekliniek Vennootskap									
Beef: 2, Sheep: 2 Winburg, Winburg Dierekliniek									
Beef: 3									
Kwazulu-Natal									
Bergville, Bergville Veterinary Clinic									
Beef: 3									
Howick, Howick Veterinary Clinic									
Beef: 3, Dairy: 3, Sheep: 3									
Eastern Cape									
Graaff-Reinet, Graaff Reinet Veterinary Clinic									
Sheep: 3, Goat: 3									
Western Cape Resultant West Resultant Disputationals									
Beaufort West, Beaufort Dierekliniek									
Sheep: 3	Oudtobases	Dioroklini	ok						
	, Oudtshoorn	Dietekiini	CK						
Beef: 1, Sheep: 1									

Mosquitoes										
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average	3.0 (4)			3.0 (1)	2.6 (5)	3.0 (1)		3.0 (1)		

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

Beef	3.0 (2)	2.7 (3)	3.0 (1)		
Sheep	3.0 (2)	2.5 (2)		3.0 (1)	

Mpumalanga

Lydenburg, Longtom Dierekliniek

Beef: 3, Sheep: 3

Standerton, Econovet

Beef: 3, Sheep: 3
North West

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 3
Free State

Clocolan, Clocolan Dierekliniek

Beef: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2, Sheep: 2

Wesselsbron, Wesselsbron Dierekliniek

Beef: 3, Sheep: 3 **Kwazulu-Natal**

Bergville, Bergville Veterinary Clinic

Beef: 3

Western Cape

Beaufort West, Beaufort Dierekliniek

Sheep: 3

Good rains in parts of the Karoo had to effect that there is a massive count of midges and mosquitoes that is seen. Farmers concerned about Bluetongue and RVF

Tick-borne Diseases

African red water										
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average	2.2 (6)	1.5 (2)	1.5 (2)	1.5 (2)	2.5 (4)	2.3 (14)	2.0 (1)	1.7 (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	2.2 (6)	1.5 (2)	1.5 (2)	1.5 (2)	2.5 (4)	2.3 (11)		1.5 (2)
Dairy						2.3 (3)	2.0 (1)	2.0 (1)
Mpumalang	a							
	rootvlei Diere	kliniek						
Beef: 2								
	looiplaas Vete	rinêre Die	nste					
Beef: 2								
Lydenburg,	Longtom Dier	ekliniek						
Beef: 3								
Lydenburg, Beef: 2	Lydenburg Di	erespreek	kamer					
	elspruit Anim	al Hospita	I					
Beef: 2	p		-					
Piet Retief.	Pets Vet Hosp	ital						
Beef: 2		-						
Gauteng								
	aal, Themba	Animal Cli	nic					
Beef: 1	,							
Muldersdrift	t, Muldersdrift	t Animal H	ospital					
Beef: 2	-							
Babesia in cat	ttle - species no	t mentione	d					
Limpopo								
	louberg Diere	kliniek						
Beef: 2								
Three cases								
Polokwane,	Pietersburg V	eterinary	Clinic					
Beef: 1								
North West								
Klerksdorp, Beef: 1	Klerksdorp Di	ierehospit	aal					
Potchefstro	om, Morvet							
Beef: 2	•							
Free State								
Frankfort, F	rankfort Diere	ekliniek						
Beef: 3								
Parys, Parys	s Dierehospita	al						
Beef: 2								
Villiers, Wil	gepoort Dierel	kliniek Ver	nnootskap)				
Beef: 2								
	e Dierehospita	aal						
Beef: 3								
Kwazulu-Na								
	ergville Veteri	nary Clinic	3					
Beef: 3								
	ugela Vet Clini	IC						
Beef: 2								
	dumeni Herd I	nealth						
Beef: 2, Dairy								
	nowe Veterina	ry Hospita	11					
Dairy: 2								
Dairy calves		CI: .:						
	wick Veterina	ry Clinic						
Beef: 3, Dairy	7: 3							

	kstad Veterin	arv Clinic							
Beef: 3		,							
Mooi River,	Mooirivier Vet	t Clinic							
Beef: 2									
Mtubatuba,	Mtubatuba Ai	nimal Clin	ic						
Beef: 2									
Newcastle,	Ncanduvet Ne	wcastle							
Beef: 1									
Pietermarit	zburg, Veterin	ary House	e Hospital						
Beef: 2									
Underberg,	Underberg Ve	terinary S	Surgery						
Beef: 3									
	yheid Privaat \	/eeartse							
Beef: 2									
Eastern Cap									
	Riverview Tra	ding Vet	Consulting	Service	es				
Dairy: 2									
Western Ca									
	ledon Dierekli	iniek							
Beef: 2									
	erberg Veteri	nary Hosp	ital						
Dairy: 2									
	orge Animal H	ospital							
Beef: 1									
Asiatic re	d water								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.1 (10)		1.7 (3)	2.7 (3)	2.0 (4)	1.9 (12)	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									
reported	ortance scale: 1	0110 0410							
-	2.1 (10)		1.7 (3)	2.7 (3)	(3)	1.9 (10)	2.0 (1)		
reported			1.7 (3)	2.7 (3)	1.7 (3) 3.0 (1)	1.9 (10) 2.0 (2)	2.0 (1)		
reported Beef Dairy Mpumalang	2.1 (10)		1.7 (3)	2.7 (3)	3.0		2.0 (1)		
reported Beef Dairy Mpumalang Balfour, Bal	2.1 (10)		1.7 (3)	2.7 (3)	3.0		2.0 (1)		
reported Beef Dairy Mpumalang Balfour, Bal Beef: 1	2.1 (10) a four Diereklin	iek	1.7 (3)	2.7 (3)	3.0		2.0 (1)		
Peef Dairy Mpumalang Balfour, Bal Beef: 1 Bethal, Beth	2.1 (10)	iek	1.7 (3)	2.7 (3)	3.0		2.0 (1)		
reported Beef Dairy Mpumalang Balfour, Bal Beef: 1 Bethal, Beth Beef: 2	2.1 (10) a four Diereklin nal Diereklinie	iek k	1.7 (3)	2.7 (3)	3.0		2.0 (1)		
reported Beef Dairy Mpumalang Balfour, Bal Beef: 1 Bethal, Beth Beef: 2 Grootvlei, G Beef: 1	2.1 (10) a four Diereklin nal Diereklinie	iek k kliniek		2.7 (3)	3.0		2.0 (1)		
reported Beef Dairy Mpumalang Balfour, Bal Beef: 1 Bethal, Beth Beef: 2 Grootvlei, G Beef: 1 Hendrina, M	2.1 (10) a four Diereklin nal Diereklinie	iek k kliniek		2.7 (3)	3.0		2.0 (1)		
reported Beef Dairy Mpumalang Balfour, Bal Beef: 1 Bethal, Beth Beef: 2 Grootvlei, G Beef: 1 Hendrina, M Beef: 2	2.1 (10) a four Diereklin nal Diereklinie frootvlei Diere	iek k kliniek rinêre Die		2.7 (3)	3.0		2.0 (1)		
reported Beef Dairy Mpumalang Balfour, Bal Beef: 1 Bethal, Beth Beef: 2 Grootvlei, G Beef: 1 Hendrina, M Beef: 2 Lydenburg,	2.1 (10) a four Diereklin nal Diereklinie	iek k kliniek rinêre Die		2.7 (3)	3.0		2.0 (1)		
reported Beef Dairy Mpumalang Balfour, Bal Beef: 1 Bethal, Beth Beef: 2 Grootvlei, G Beef: 1 Hendrina, M Beef: 2 Lydenburg, Beef: 2	2.1 (10) a four Diereklinie irootvlei Diere looiplaas Vete Longtom Dier	iek k kliniek erinêre Dic	enste	2.7 (3)	3.0		2.0 (1)		
reported Beef Dairy Mpumalang Balfour, Bal Beef: 1 Bethal, Beth Beef: 2 Grootvlei, G Beef: 1 Hendrina, M Beef: 2 Lydenburg, Beef: 2 Lydenburg,	2.1 (10) a four Diereklin nal Diereklinie frootvlei Diere	iek k kliniek erinêre Dic ekliniek	enste	2.7 (3)	3.0		2.0 (1)		
reported Beef Dairy Mpumalang Balfour, Bal Beef: 1 Bethal, Beth Beef: 2 Grootvlei, G Beef: 1 Hendrina, M Beef: 2 Lydenburg, Beef: 2 Lydenburg, Beef: 2	2.1 (10) a four Diereklinie irootvlei Diere looiplaas Vete Longtom Dier	iek kliniek erinêre Die ekliniek erespreek	enste	2.7 (3)	3.0		2.0 (1)		

Beef: 2 Piet Retief, Pets Vet Hospital Beef: 3 **Standerton, Econovet** Beef: 3 **Volksrust, Cape Cross Volksrust Dierehospitaal** Beef: 3 Three farms, 10 died. Anaplasmosis plus red water on one farm, 3 calves 7 weeks old died Limpopo Makhado, Blouberg Dierekliniek Beef: 2 Two cases **Mokopane, Bundu Veterinary Services** Polokwane, Pietersburg Veterinary Clinic Beef: 1 **North West Brits, Brits Dierekliniek** Beef: 3 Potchefstroom, Morvet Beef: 2 Ventersdorp, Ventersdorp Dierekliniek Beef: 3 **Free State** Ficksburg, Oosvrystaat Diere Produkte Frankfort, Frankfort Dierekliniek Dairy: 3 Parys, Parys Dierehospitaal Beef: 2 Villiers, Wilgepoort Dierekliniek Vennootskap Beef: 2 **Kwazulu-Natal Bergville, Bergville Veterinary Clinic** Bergville, Tugela Vet Clinic Beef: 2 Camperdown, Camperdown Vet Clinic Beef: 2 cerebral **Dundee, Endumeni Herd health** Beef: 2, Dairy: 2 **Estcourt, Estcourt Vet Clinic** Beef: 1 **Howick, Howick Veterinary Clinic** Beef: 2, Dairy: 2 **Kokstad, Kokstad Veterinary Clinic** Beef: 3 **Mooi River, Mooirivier Vet Clinic** Beef: 1 Pietermaritzburg, Veterinary House Hospital

Underberg, Underberg Veterinary Surgery

Beef: 3
Eastern Cape

Stutterheim, Stutterheim Veterinary Clinic Beef: 2											
Acute											
Acute											
Anaplasn	nosis								^		
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Average	1.5 (2)	1.7 (3)	2.0 (1)	2.3 (8)	2.1 (16)	2.1 (10)	2.0 (3)	1.5 (6)			
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported											
Beef	1.5 (2)	1.7 (3)	2.0 (1)	2.3 (8)	2.2 (14)	2.0 (7)	2.0 (3)	1.7 (3)			
Dairy					1.5 (2)	2.3 (3)		1.3 (3)			
Mpumalang	а										
Bethal, Beth	nal Diereklinie	k									
Beef: 1											
	rootvlei Diere	kliniek									
Beef: 2											
Gauteng											
	rg, Magaliesbu	ırg; Dr Ry	an Jeffrey	•							
Beef: 2											
	ima Veterinar	y Consult	ing Rooms	5							
Beef: 1											
	nderstepoort A	cademic	Hospital a	nd Produ	uction A	Inimal Clinic	C				
Beef: 2											
Two cases											
Limpopo											
	louberg Dierel	kliniek									
Beef: 2											
Two cases											
North West			•								
	Christiana Die	rehospita	al								
Beef: 3	W. I.d B'		•								
	Klerksdorp Di	erenospit	aaı								
Beef: 2											
	stad, Leeudori	ngstad Di	erekliniek								
Beef: 1											
Bull	D. CM //	Dall									
Beef: 2	, Dr CM Kruge	r-Kall									
Two outbreak	/C										
Potchefstroom, Morvet Beef: 2											
	Reneke, Buffel	ldoorn Did	rakliniak	SP							
Beef: 2	keneke, buile	acom Dit	J. CKIIIICK	J.K							
	a Dierekliniek										
Beef: 3	a Dicientifier										

Ventersdorp, Ventersdorp Dierekliniek

Beef: 3 **Free State Bloemfontein, Dr Stephan Wessels Bultfontein, Greylingsrust Dierespreekkamer** Beef: 2 Clocolan, Clocolan Dierekliniek Beef: 2 Frankfort, Frankfort Dierekliniek Beef: 2 Hoopstad, Hoopstad Dierekliniek Beef: 3 Kroonstad, Kroonstad Dierehospitaal Ladybrand, Ladybrand Dierekliniek Beef: 2 **Memel, Memel Veterinary Clinic** Beef: 3 Parys, Parys Dierehospitaal Beef: 2 Reitz, Riemland Dierehospitaal Beef: 2, Dairy: 2 Senekal, Senekal Dierekliniek Beef: 2, Dairy: 1 **Smithfield, Freestate Smithfield SV** Beef: 2 Mohokare Vrede, Vrede Dierehospitaal Winburg, Winburg Dierekliniek Beef: 2 Kwazulu-Natal **Bergville, Bergville Veterinary Clinic** Beef: 3 Bergville, Tugela Vet Clinic Beef: 2 Camperdown, Camperdown Vet Clinic Beef: 1 **Dundee, Endumeni Herd health** Dairy: 2 **Estcourt, Estcourt Vet Clinic** Dairy: 2 **Howick, Howick Veterinary Clinic** Beef: 2, Dairy: 3 **Mooi River, Mooirivier Vet Clinic** Beef: 1 Pietermaritzburg, Veterinary House Hospital Beef: 2 **Underberg, Underberg Veterinary Surgery** Beef: 3 Acute deaths **Eastern Cape** Alexandria, Alexandria Platteland Spreekkamer

Aliwal North, Hertzogbrug Dierekliniek

Beef: 2 **Graaff-Reinet, Graaff Reinet Veterinary Clinic** Beef: 1 **Western Cape Ceres, Ceres Veterinary Hospital** Beef: 2 Cows **Darling, Tygerberg Dierehospitaal Darling** Dairy: 1 Malmesbury, Dr Otto Kriek Dairy: 1 Malmesbury, Groenkloof Dierekliniek Beef: 1 Malmesbury, Malmesbury Dierehospitaal Dairy: 2 Stellenbosch, Stellenbosch Animal Hospital Beef: 2 **Heartwater** Kwazulu- Eastern North Free Western Northern **PROVINCE Mpumalanga Gauteng Limpopo** West State Natal Cape Cape Cape 1.8 (6) 2.2 (6) 3.0 (1) **Average** 2.2(5)2.0 (21) 1.9 (7) Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported **Beef** 2.3 (3) 1.5 (2) 2.3 (4) 3.0 (1) 2.1 (9) 2.0(3)**Dairy** 2.0(1)2.0(1)2.0(2)Sheep 2.0(1)1.8 (4) 2.0(2)Goat 1.5 (2) 2.0 (1) 1.9 (7) 1.0 (1) Mpumalanga Lydenburg, Longtom Dierekliniek Beef: 3, Sheep: 2 Lydenburg, Lydenburg Dierespreekkamer Beef: 2 **Nelspruit, Nelspruit Animal Hospital** Beef: 2, Sheep: 2 Gauteng **Bronkhorstspruit, Kerkstraat Dierekliniek** Beef: 1 Hammanskraal, Themba Animal Clinic Sheep: 2, Goat: 1 Magaliesburg, Magaliesburg; Dr Ryan Jeffrey Beef: 2 Cows Goat: 2 **Pretoria, Anima Veterinary Consulting Rooms** Sheep: 3

Limpopo

Beef: 3 Twelve cases

Makhado, Blouberg Dierekliniek

Mokopane, Bundu Veterinary Services Beef: 1 **Polokwane, Pietersburg Veterinary Clinic** Beef: 2, Sheep: 2, Goat: 2 **Tzaneen, ZZ2 Farm Practice** Beef: 3 **North West Brits, Brits Dierekliniek** Beef: 3 Kwazulu-Natal **Bergville, Bergville Veterinary Clinic** Beef: 3 Bergville, Tugela Vet Clinic Beef: 2, Sheep: 2, Goat: 2 Camperdown, Camperdown Vet Clinic Goat: 1 **Dundee, Endumeni Herd health** Beef: 2, Sheep: 2, Goat: 2 **Eshowe, Eshowe Veterinary Hospital** Beef: 2 Beef cows **Estcourt, Estcourt Vet Clinic** Beef: 2, Goat: 2 **Howick, Howick Veterinary Clinic** Beef: 2, Dairy: 2, Goat: 3 **Kokstad, Kokstad Veterinary Clinic** Sheep: 2 Heartwater in some sheep that were driven up from Umzimkulu about 50km from Kokstad. Heartwater was not diagnosed in Kokstad area before Mtubatuba, Mtubatuba Animal Clinic Beef: 3, Goat: 2 **Pongola, Pongola Animal Clinic** Beef: 1, Sheep: 1, Goat: 1 Vryheid, Vryheid Privaat Veeartse Beef: 2 **Eastern Cape Adelaide, Adelaide Veterinary Clinic** Beef: 2 Alexandria, Alexandria Platteland Spreekkamer Beef: 1 **Alexandria, Riverview Trading Vet Consulting Services** Beef: 3, Dairy: 2, Sheep: 2 Stutterheim, Stutterheim Veterinary Clinic Sheep: 2 Heartwater in flock of lambs **Uitenhage, Uitenhage Dierehospitaal** Goat: 1 **Sweating Sickness**

North Free

West State Natal

PROVINCE Mpumalanga Gauteng Limpopo

Kwazulu-

Eastern

Cape

Western

Cape

Northern

Cape

Average		2.0 (1)	1.8 (4)	2.0 (5)	1.8 (5)	2.0 (1)		
Level of imp	ortance scale: 1	= one case	e, 2 = more	than one	e case bu	ut less than te	en and 3 = more tha	n 10 cases
Beef		2.0 (1)	1.8 (4)	2.0 (5)	1.8 (5)	2.0 (1)		
Gauteng					. ,			
	rg, Magaliesbu	ırg; Dr Ry	an Jeffrey					
Beef: 2								
Limpopo								
	Blouberg Dierel	kliniek						
Beef: 2								
Eight cases								
	, Pietersburg V	eterinary	Clinic					
Beef: 2								
	Z2 Farm Practi	ce						
Beef: 2	V							
	Vaalwater Die	respreekk	amer					
Beef: 1								
North West		uoboonita	_I					
Beef: 3	Christiana Die	renospita	d l					
	Klerksdorp Di	arabaanit	I					
Beef: 2	Kierksdorp Di	erenospic	ddi					
	stad, Leeudori	nastad Di	orokliniok					
Beef: 2	stau, Leeuuoii	iigstau Di	CICKIIIICK					
	om, Morvet							
Beef: 2	oni, Moi vet							
	Reneke, Buffel	ldoorn Die	rekliniek (SR				
Beef: 1	Keneke, Dune	uooiii Die	i CKIIIICK	JK				
Free State								
	in, Dr Stephan	Wessels						
Beef: 1	iii, Di Ocepiiaii	11055015						
	e, Hertzogville	Diereklin	iek					
Beef: 2	-, <u>-</u>							
Four calves								
	Kroonstad Die	rehospita	al					
Beef: 2								
	nekal Dierekli	niek						
Beef: 2								
Winburg, W	/inburg Dierek	liniek						
Beef: 2								
Kwazulu-Na	atal							
Eshowe, Es	howe Veterina	ry Hospita	al					
Beef: 2								
7 cases in Ha	artebeespoort are	ea						
Theilerio	sis							_

North Free

West State Natal

PROVINCE Mpumalanga Gauteng Limpopo

Kwazulu- Eastern Western

Cape

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)

Kwazulu-Natal

Camperdown, Camperdown Vet Clinic

Beef: 1

Insect Transmittable Diseases											
Lumpy skin disease											
	PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	

 Average
 2.0 (1)
 2.0 (1)
 3.0 (1)
 2.0 (2)
 2.1 (7)
 1.7 (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	2.0 (1)	2.0 (1)	3.0 (1)	2.0 (2)	2.2 (6)	1.5 (2)
Dairy					2.0 (1)	2.0 (1)

Mpumalanga

Lydenburg, Longtom Dierekliniek

Beef: 2

Gauteng

Bronkhorstspruit, Kerkstraat Dierekliniek

Beef: 2 **Limpopo**

Polokwane, Pietersburg Veterinary Clinic

Beef: 3
North West

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 1

Potchefstroom, Morvet

Beef: 3 Free State

Clocolan, Clocolan Dierekliniek

Beef: 2, Dairy: 2

Ficksburg, Oosvrystaat Diere Produkte

Beef: 1

Hertzogville, Hertzogville Dierekliniek

Beef: 2 Six cases

Hoopstad, Hoopstad Dierekliniek

Beef: 3

Viljoenskroon, Viljoenskroon Dierekliniek

Winburg, Winburg Dierekliniek											
Beef: 3											
Kwazulu-Na											
•	dumeni Herd h	nealth									
Beef: 1											
•	wick Veterinar	y Clinic									
Beef: 2, Dairy	/: Z										
Three-da	y-stiffsickno	ess				<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)	2.5 (2)	2.6 (5)	2.5 (11)	1.8 (4)	1.0 (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											
Beef	1.0 (1)	3.0 (1)	2.5 (2)	2.6 (5)	2.5 (11)	1.7 (3)	1.0 (1)		1.0 (1)		
Dairy						2.0(1)					
Mpumalang	a										
Grootvlei, G	rootvlei Diere	kliniek									
Beef: 1											
Gauteng											
	spruit, Kerkstr	aat Diere	kliniek								
Beef: 3											
Limpopo	Kranskop Dier	okliniok									
Beef: 3	Kialiskop Diei	ekiiiiek									
Three farms											
	Pietersburg V	eterinarv	Clinic								
Beef: 2											
North West											
Bloemhof, B	Bloemhof Diere	ekliniek									
Beef: 3											
	Christiana Die	rehospita	al								
Beef: 3	Mankada D'										
	Klerksdorp Di	erenospit	aaı								
Beef: 1	stad, Leeudori	nacted Di	orokliniek								
Beef: 3	stau, Leeuuofi	ngstau Di	CICKIIIIEK								
	ses, one bull - I	R185 000 0	0: survived								
Potchefstro	· · · · · · · · · · · · · · · · · · ·	00 000,0	or survivou								
Beef: 3											
Free State											
Bloemfonte	in, Dr Stephan	Wessels									
Beef: 3											
	Greylingsrust	Dierespr	eekkamer								
Beef: 2											
	ocolan Dierek	iiniek									
Beef: 3	rankfort Diere	kliniak									
i i alikiti t _i F	ialikiuit Diele	KIIIIIEK									

Beef: 1													
Hoopstad, H	Hoopstad Diere	ekliniek											
Beef: 3													
Ladybrand,	Ladybrand Die	erekliniek	•										
Beef: 3													
Reitz, Riem	land Dierehos	pitaal											
Beef: 2													
Senekal, Senekal Dierekliniek													
Beef: 2													
Viljoenskroon, Viljoenskroon Dierekliniek													
Beef: 3													
Wesselsbro	n, Wesselsbro	n Dierekli	niek										
Beef: 3													
	inburg Dierek	liniek											
Beef: 3													
Kwazulu-Natal													
Bergville, Bergville Veterinary Clinic													
Beef: 2													
	ugela Vet Clini	ic											
Beef: 1													
	n, Camperdov	vn Vet Cli	nic										
Beef: 2													
	wick Veterina	ry Clinic											
Dairy: 2													
Eastern Cap													
	h, Hertzogbrug	g Diereklii	niek										
Beef: 1													
Northern Ca	-												
	u Dierekliniek												
Beef: 1													
Blue tong	1110								^				
Dide tong	Juc								-				
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape				
Average	2.3 (4)	2.5 (6)		1.8 (5)	1.9	2.0 (1)	2.0 (2)						
					(8)								
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				
					1.0								
Beef		2.0(1)		3.0 (1)	1.0								
		2.0 (1)		5.0 (1)	(1)								
		2 - (-)			2.0	2 0 (4)	2 0 (2)						
Sheep	2.3 (4)	2.6 (5)		1.5 (4)	(7)	2.0 (1)	2.0 (2)						
Marrae	_				(1)								
Mpumalang		oklinici:											
	Longtom Dier	екипіек											
Sheep: 2 Middelburg, Neil Fourie Veeartsenydienste													
	Noil Eassia V		dianete										
	, Neil Fourie V	eeartseny	dienste										
Sheep: 2			dienste										
Sheep: 2 Piet Retief,	, Neil Fourie V Pets Vet Hosp		dienste										
Sheep: 2	Pets Vet Hosp		dienste										

Sheep: 2									
Gauteng									
	, Bapsfontein	Diorobos	sitaal						
-	i, bapsiontein	Dierenos	JILAAI						
Sheep: 2		+ D:I	-1!!1-						
	spruit, Kerkstr	aat Dierei	кипіек						
Sheep: 3									
	rg, Magaliesbu	ırg; Dr Ry	an Jeffrey						
Beef: 2									
	tongue in Wagy	u calves							
Sheep: 3									
Pretoria, Ar	ima Veterinar	y Consulti	ing Rooms	3					
Sheep: 3									
Pretoria, Or	nderstepoort A	cademic I	Hospital a	nd Prod	uction A	Animal Clinic	3		
Sheep: 2									
Nine cases									
North West									
Brits, Brits	Dierekliniek								
Sheep: 2									
	Christiana Die	rehospita	al						
Sheep: 2		. ссор. с							
•	Klerksdorp Di	erehosnit	aal						
Sheep: 1	Michigae P	Cicilospic	uu.						
•	, Dr CM Kruge	r-Rall							
Sheep: 1	,, Di Cili Kiuge	ı ıxuıı							
One outbreak	,								
Potchefstro Beef: 3	om, Morvet								
Free State									
	in, Dr Stephan	wessels							
Sheep: 2									
	, Greylingsrust	Dierespr	eekkamer						
Beef: 1, Shee									
	Dosvrystaat Di	ere Produ	kte						
Sheep: 3									
	Kroonstad Die	rehospita	al						
Sheep: 3									
Ladybrand,	Ladybrand Die	erekliniek							
Sheep: 1									
Senekal, Se	nekal Dierekli	niek							
Sheep: 1									
Winburg, W	inburg Dierek	liniek							
Sheep: 3									
Kwazulu-Na	atal								
Camperdow	n, Camperdov	vn Vet Cli	nic						
Sheep: 2	, <u>,</u>								
Eastern Cap	ie.								
_	Riverview Tra	ding Vet (onsulting	Service) C				
Sheep: 2	KIVEIVIEW III	uning vec	son sarang	CIVIC	<i>.</i>				
	et, Graaff Reir	at Vatarii	nary Clinic	•					
Sheep: 2	ec, Graam Ken	iet veterii	iary Cillin	•					
Sneep. 2									
Nagana									^
DDOVINGE	Mnumalanga	Cautone	Limners	North	Free	Kwazulu-	Eastern	Western	Northern
PROVINCE	Mpumalanga	Gauteng	riiibobo	West	State	Natal	Cape	Cape	Cape

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** 2.0(1)Kwazulu-Natal Mtubatuba, Mtubatuba Animal Clinic Beef: 2 **Venereal Diseases** Actinobacillus seminis Northern Kwazulu-Eastern Western North Free PROVINCE Mpumalanga Gauteng Limpopo West State Natal Cape Cape Cape 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 2.0(1)**Beef Eastern Cape** Stutterheim, Stutterheim Veterinary Clinic Beef: 2 Two bulls **Trichomonosis** Kwazulu- Eastern North Free Western Northern PROVINCE Mpumalanga Gauteng Limpopo West State Natal Cape Cape Cape 1.0 (1) 3.0 (1) 1.0(2)2.0(1)2.0(1)**Average** (4) Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported **Beef** 1.0 (1) 3.0 (1 1.0(2)2.0(1)Goat 2.0(1)**Mpumalanga** Ermelo, Môregloed Veterinêre Spreekkamer Goat: 2 Limpopo Makhado, Blouberg Dierekliniek Beef: 1 **North West** Stella, Stella Dierekliniek

Beef: 3
Free State

Beef: 3

Frankfort, Frankfort Dierekliniek

Hoopstad, H	loopstad Diere	ekliniek										
Beef: 3												
Kroonstad,	Kroonstad Die	rehospita	al									
Beef: 2												
Winburg, Winburg Dierekliniek												
Beef: 3												
Kwazulu-Na	ital											
Bergville, Be	ergville Veteri	nary Clini	С									
Beef: 1												
Dundee, End	dumeni Herd h	ealth										
Beef: 1												
Eastern Cap	е											
Stutterheim	, Stutterheim	Veterinar	y Clinic									
Beef: 2	-											
Two bulls												
Vibriosis									^			
VIDITOSIS									_			
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape			
Average				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 to	en and 3 =	more than	10 cases			
Beef				3.0 (1)	1.8 (6)	1.0 (1)						
North West												
	a Dierekliniek											
Beef: 3												
Free State												
	in, Dr Stephan	Wessels										
Beef: 1												
	rankfort Diere	KIINIEK										
Beef: 3	. Hauler!!!	Diamateli d	lal.									
	e, Hertzogville	Dierekiin	IEK									
Beef: 2	hulle on one fam	n										
	bulls on one farr											
Beef: 1	nekal Dierekli	IIIEK										
	an Viliaansku	on Diaral	diniak									
Beef: 1	on, Viljoenskro	ושוש ווטכ	MIIIIEK									
	inburg Dierek	liniak										
Beef: 3	induig bierek	IIIIEK										
Kwazulu-Na	uta l											
	ıtaı ergville Veteri	nanı Clini	_									
Beef: 1	ergville veteri	nary Cilili	C									
	l Disease (other)										
Blackqua									^			

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)	1.0 (1)		1.5 (2)	1.2 (5)	2.3 (4)	2.0 (1)	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 1	10 cases
Beef	2.0 (1)	1.0 (1)		1.5 (2)	1.2 (5)	2.0 (3)	2.0 (1)	1.0 (1)	
Dairy						3.0 (1)			
Mpumalang	а								
	Pets Vet Hosp	ital							
Beef: 2									
Gauteng									
Hammansk	raal, Themba <i>l</i>	Animal Cli	nic						
Beef: 1									
North West									
	Klerksdorp Di	erehospit	aal						
Beef: 1									
	, Bergbos Dier	rekliniek							
Beef: 2									
Free State	la a a la sa Di a sa la	!!!!-							
Beef: 1	locolan Dierek	liniek							
	nel Veterinary	Clinic							
Beef: 1	nei vetermaiy	Cillic							
	nekal Dierekli	niek							
Beef: 1	nekai bierekii	·········							
	on, Viljoenskro	oon Diere	kliniek						
Beef: 1	, <u>,</u>								
Winburg, W	inburg Dierek	liniek							
Beef: 2									
Kwazulu-Na	atal								
	ergville Veteri	nary Clini	С						
Beef: 2									
	ugela Vet Clini	ic							
Beef: 1		.							
	wick Veterina	ry Clinic							
Dairy: 3	Maainindau Va	L Clinia							
Beef: 3	Mooirivier Vet	CIINIC							
Eastern Cap	10								
	delaide Veterii	nary Clinia	_						
Beef: 2	acidide Veterri	idiy Cilili							
Western Ca	pe								
	gerberg Diereh	ospitaal I	Darling						
Beef: 1	,	p							
Botulism									^

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average			2.0 (1)	2.0 (1)	2.0 (3)	1.0 (1)		3.0 (1)	1.5 (2)
Level of impore	ortance scale: 1	= one case				ut less than to	en and 3 =	more than 1	10 cases
Beef			2.0 (1)	2.0 (1)	2.0 (3)	1.0 (1)			1.0 (1)
Sheep								3.0 (1)	2.0 (1)
Limpopo									
	Vaalwater Die	respreekk	amer						
Beef: 2									
North West			_						
	Christiana Die	rehospita	al						
Beef: 2 Free State									
	Greylingsrust	Diereenr	ookkamer						
Beef: 2	Greyningsrust	Dielespi	CCKKaiiiCi						
	loopstad Diere	ekliniek							
Beef: 2	loopotaa Diere								
	n, Wesselsbro	n Dierekli	niek						
Beef: 2	,								
Bultfontein di	strict								
Kwazulu-Na	ital								
Newcastle,	Ncanduvet Ne	wcastle							
Beef: 1									
Western Ca									
	Piketberg Dier	ehospitaa							
Sheep: 3									
	, baboon drown	ed in wate	r reservoir						
Northern Ca									
	Kimberley Die	rekliniek							
Beef: 1	nington Vocas		ialr						
Sheep: 2	pington Veear	CSenykiin	iek						
	edlot, 4 out of 1	120 sheen	died Susne	ct lucern	e hale co	ould be the so	nurce - snak	ce ratetcii	n hales
Dotalishi ili ic	calot, 4 out of 1	120 SHCCP	dica. Saspe	ct lucciii	c baic co	did be the se	Juice Silai	c, rat etc. ii	Daics
Pulpy Kid	lney								<u>^</u>
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0.(2)				1.8	2.0 (1)	1 2 (2)	2.0 (1)	3.0 (1)

Pulpy Kidney												
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape			
Average	2.0 (2)				1.8 (6)	2.0 (1)	1.3 (3)	2.0 (1)	3.0 (1)			
Level of importance scale: 1 - one case 2 - more than one case but less than ten and 3 - more than 10 case												

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

Sheep	2.0 (2)	1	1.8 (6)	2.0 (1)	1.5 (2)	2.0 (1)	3.0 (1)
-------	---------	---	------------	---------	---------	---------	---------

Goat							1.0 (1)		
Mpumalang							1.0 (1)		
	Longtom Dier	akliniak							
Sheep: 2	Longton Dien	CKIIIICK							
	Cape Cross Vol	kernet Dia	rehosnita	 al					
Sheep: 2	cape cross von	KSI USC DIC	пеноэрна	Q1					
Free State									
	in, Dr Stephan	Wessels							
Sheep: 2	,								
	Kroonstad Die	rehospita	al						
Sheep: 2									
Reitz, Riem	land Dierehos	pitaal							
Sheep: 2									
Senekal, Se	nekal Dierekli	niek							
Sheep: 2									
Viljoenskro	on, Viljoenskro	oon Diere	kliniek						
Sheep: 1									
	gepoort Dierek	diniek Ve	nnootskap						
Sheep: 2									
Kwazulu-Na		_							
	yheid Privaat \	/eeartse							
Sheep: 2									
Eastern Cap		Clii	_						
	delaide Veterii	nary Clinic	<u>C</u>						
Sheep: 2	at Camdahaa	Votorino	ar Climia						
Sheep: 1, Go	et, Camdeboo	vetermai	y Clinic						
Western Ca									
	est, Beaufort [)iereklinia	ak						
Sheep: 2	csy beautore i	JICI CKIIIII	⊌1 \						
Northern Ca	ane								
	Karoo Veterina	rv Hosnit	al						
Sheep: 3		,оор	··						
	head diseas	е							^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)	2.0 (2)			1.5 (2)	1.5 (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	2.0 (1)	2.0 (1)			1.0 (1)	2.0 (2)			
Sheep		2.0 (1)			2.0 (1)	1.0 (2)			
Mpumalang	a								
Standerton	, Econovet								
Beef: 2									
Gauteng									

Bronkhorstspruit, Kerkstraat Dierekliniek

Poof. 3												
	Beef: 2 Pretoria, Anima Veterinary Consulting Rooms											
Sheep: 2	iiiia veteiiiiai	y Consuit	ilig Koollis									
	Free State											
Bultfontein, Greylingsrust Dierespreekkamer												
Sheep: 2												
	genoort Dierel	kliniak Va	nnootskan	<u> </u>								
Villiers, Wilgepoort Dierekliniek Vennootskap Beef: 1												
Kwazulu-Na	atal											
	ergville Veteri	nary Clini	r									
Beef: 2	ergvine veteri	nary Chini	•									
	tcourt Vet Clir	nic										
Sheep: 1												
	Ncanduvet Ne	wcastle										
Beef: 2												
Underberg,	Underberg Ve	terinary S	urgery									
Sheep: 1												
Red gut ((cattle)								_			
PROVINCE	Mpumalanga	Gauteng	Limpono	North		Kwazulu-		Western	Northern			
. KOVIKE	. ipamalanga	Cuutchig	Limpopo	West	State	Natal	Cape	Cape	Cape			
Average	1.5 (2)					2.0(2)		1.0(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												
Beef	1.5 (2)					2.0 (1)						
	1.5 (2)							1.0 (1)				
Dairy						2.0 (1)		1.0 (1)				
Mpumalang												
	four Diereklin	iek										
Beef: 1												
	Longtom Dier	ekliniek										
Beef: 2												
Kwazulu-Na		Cli!	_									
	ergville Veteri	nary Ciini	С									
Beef: 2	iak Vatarina	Clinia										
	wick Veterina	ry Clinic										
Dairy: 2 Western Ca	n o											
	pe Jerberg Diereh	ocnitaal [)arling									
Dairy: 1	jeibeig Dielei	iospitaai t	Jailing									
Daily. 1												
Blood gui	t (Sheep)								^			
				_		V	Eastern	\\/ b	Naudh ann			
				North	Free	Kwazuiu-	castern	Western	Northern			
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal			Northern Cape			
PROVINCE	Mpumalanga	Gauteng	Limpopo				Cape	Cape				
PROVINCE	Mpumalanga	Gauteng	Limpopo		State			Cape				
PROVINCE Average	Mpumalanga	Gauteng	Limpopo		State 2.0							
	Mpumalanga	Gauteng	Limpopo		State			Cape				
Average				West	2.0 (1)	Natal	Cape	2.0 (1)	Cape			
Average Level of impo	Mpumalanga ortance scale: 1			West	2.0 (1)	Natal	Cape	2.0 (1)	Cape			
Average				West	2.0 (1)	Natal	Cape	2.0 (1)	Cape			

Sheep					2.0 (1)			2.0 (1)	
Free State									
Villiers, Wil	gepoort Dierel	diniek Ve	nnootskap)					
Sheep: 2									
Western Cap	ре								
Worcester, I	Durban Straat	Diereklin	iek Worce	ster					
Sheep: 2									
Tetanus									_
Tetalius									<u> </u>
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)				
Free State									
Villiers, Wil	gepoort Dierel	diniek Ve	nnootskap)					
Sheep: 2									,
Brucella a	abortus								_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average			2.0 (1)	3.0 (2)	2.3 (6)				
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 (2)	2.3 (6)				
Limpopo									
	louberg Dierel	kliniek							
Beef: 2									
Five cases									
North West									
	Klerksdorp Di	erehospit	aal						
Beef: 3									
	, Dr CM Kruge	r-Rall							
Beef: 3									
Ten cases									
Free State	- D. C								
	in, Dr Stephan	Wessels							
Beef: 2	Lange in Disease								
	case in Bloemfo		i, one positi	ve case					
noopstaa, H	loopstad Diere	ekiiniek							

Beef: 3 Kroonstad, Kroonstad Dierehospitaal Beef: 3 Parys, Parys Dierehospitaal Beef: 1 Cattle from drought-stricken area for humanitarian aid - kept under quarantine on farm **Smithfield, Freestate Smithfield SV** Beef: 2 Mohokare: Four more cases on a farm under quaranteen Winburg, Winburg Dierekliniek Beef: 3 Brucella ovis Kwazulu-**Eastern** Western Northern North Free PROVINCE Mpumalanga Gauteng Limpopo Natal West State Cape Cape Cape **Average** 1.0(1)3.0(1)Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported 3.0(1)Sheep 1.0(1)**Eastern Cape Graaff-Reinet, Graaff Reinet Veterinary Clinic** Sheep: 1 **Western Cape** George, George Animal Hospital Sheep: 3 **Bovine Tuberculosis** North Free Kwazulu-**Eastern** Western Northern **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 **Dairy** 1.0(1)Limpopo Makhado, Blouberg Dierekliniek Dairy: 1 Johne's disease Kwazulu- Eastern North Free Western Northern **PROVINCE Mpumalanga Gauteng Limpopo** West Natal State 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

Beef						1.0(1)			
Kwazulu-Na	ntal					()			
Mooi River,	Mooirivier Vet	Clinic							
Beef: 1									
Septicaer	mia								^
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 one	e case b	ut less than t	en and 3 =	more than 1	10 cases
Beef						2.0 (1)			
Kwazulu-Na	ntal								
	dumeni Herd l	nealth							
Beef: 2									
E. coli									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (4)	3.0 (1)	2.0 (1)	2.1 (7)	2.7 (14)	2.0 (3)		2.0 (1)	
Level of impore	ortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than t	en and 3 =	more than :	10 cases
Beef	2.0 (3)	3.0 (1)	2.0 (1)	2.0 (4)	2.8 (5)	1.5 (2)			
Dairy					2.5 (2)	3.0 (1)			
Sheep	2.0 (1)			2.3 (3)	2.7 (7)			2.0 (1)	
Mpumalang									
	four Diereklin	iek							
Beef: 2			•						
Lydenburg, Beef: 2	Lydenburg Die	erespreek	kamer						
Standerton,	Econovet								
Beef: 2, Shee									
Gauteng									
	elegen Dierek	liniek							
Beef: 3									
E. coli diarrho	oea in calves								
Limpopo Makhado, B	louberg Dierel	kliniek							
Beef: 2	Juberg Diere	ICK							
Calves, 7 case	es								
North West									

	Christiana Die	rehospita	al						
Beef: 1	Manhadam Di	la							
	Klerksdorp Di	erenospit	aaı						
Beef: 3, Shee									
Leeuaoring: Beef: 1	stad, Leeudori	ngstad Di	erekiiniek	(
	anna in anluan d			to b				thind was	
	seen in calves, a	autogenous	vaccine se	ems to n	ave more	e success in s	econa ana	tnira year	
Sheep: 1	accominantus d			to b				Hatual vanau	
	seen in calves, a p, Ventersdor p			ems to n	ave more	e success in s	econa ana	tniru year	
Beef: 3, Shee		Dierekiin	нек						
ree State	:p: 3								
	in Dr Stonbor	. Wossels							
	in, Dr Stephan	i wessels							
Beef: 3, Shee		liniak							
	locolan Dierek	liniek							
	y: 2, Sheep: 2	aldiniale							
-	o, Platkop Dier	екипіек							
Sheep: 3									
10 plus!	Joonstad Dis	oklini ele							
	Hoopstad Diero	EKIINIEK							
Beef: 3, Shee									
•	Kroonstad Die	renospita	aı						
Dairy: 3	mal Vatarinary	Clinia							
	mel Veterinary	Cimic							
Sheep: 3	on Vilioonales	oon Dierel	dimiak						
	on, Viljoenskro	Jon Dierei	KIIIIEK						
Beef: 3, Shee		leliminte Va		_					
	gepoort Dierel	kiiniek vei	ппоосѕкар)					
Sheep: 2	inburg Dierek	diniak							
winburg, w Beef: 3	indurg Dierek	imek							
beer: 3 Kwazulu-Na	-4-1								
		Clinia							
	wick Veterina	ry Clinic							
Dairy: 3	NA	. 61: .:.							
	Mooirivier Vet	t Clinic							
Beef: 1									
	zburg, Veterin	ary nouse	поѕрітаі						
Beef: 2									
Western Ca	-	N' 1 1' - '							
	est, Beaufort I	Jierekiinie	ek						
Sheep: 2									
Enzootic	Abortion								
									1
PROVINCE	Mpumalanga	Gauteng	Limpopo	North	Free	Kwazulu-	Eastern	Western	Northern
	- p			West	State	Natal	Cape	Cape	Cape
Avor	1.0 (1)				2.0				
Average	1.0 (1)				(1)				
					(1)				
		= one cas	2 - more	than on	e case h	ut locc than t	on and 3 -	more than	10 cases
	ortance scale: 1	- One case	, Z – IIIOIC	ulan on	c case b	ut iess tilali t	en and 5 –	more than	10 00000
	ortance scale: 1	- One case	2, Z = 11101C	c diair oir	c case b	ut less triair t	en and 5 –	more triair	10 cases
Level of imported	1.0 (1)	- One case	., Z – more	e diam on	2.0	ut less than t	en and 5 –	more triair	10 cases

Mpumalang	Mpumalanga												
Standerton, Econovet													
Sheep: 1													
Free State													
Wesselsbron, Wesselsbron Dierekliniek													
Sheep: 2													
Confirmed													
Dermato	philosis (Lu	mpy Wo	ol)						^				
Dermato	Jillosis (Lui	пру ис							_				
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape				
Average		2.0 (1)		2.0 (1)	2.0 (1)		3.0 (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		2.0 (1)		2.0 (1)	2.0 (1)		3.0 (1)						
Gauteng													
Bronkhorsts	pruit, Kerkstr	aat Diere	kliniek										
Sheep: 2													
North West													
Schweizer-I	Reneke, Buffel	doorn Die	erekliniek	SR									
Sheep: 2													
Free State													
	gepoort Dierek	diniek Ve	nnootskap										
Sheep: 2													
Eastern Cap													
	Steynsburg D	ierehospi	itaal										
Sheep: 3													
Bovine D	ermatophilo	osis (Ser	nkobo di	sease)					^				
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				
Beef	2.0(1)												
Mpumalang	a												
Lydenburg,	Longtom Dier	ekliniek											
Beef: 2													
Fusibacte	erium necro	phorum	,						^				

Average	2.0 (1)	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		1.0 (1)						1.0(1)	
Sheep	2.0 (1)								
Mpumalang Lydenburg,	a Longtom Dier	ekliniek							
Sheep: 2									
Gauteng Hammanski	raal, Themba A	Animal Cli	nic						
Beef: 1	,								
Western Ca									
Stellenbosc Beef: 1	h, Stellenbosc	h Animai i	Hospital						
Listeriosi	S								^
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
Sheep								2.0 (1)	
Western Ca									
Sheep: 2	erberg Veterii	nary Hosp	ital						
Other									^
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 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)	1.0 (1)			
Gauteng			1-cc						
Magaliesbu Beef: 2	rg, Magaliesbu	irg; Dr Ry	an Jeffrey						
	ers and peritoni	tis in calves	5						
Free State									
Clocolan, Cl Beef: 3	ocolan Dierek	liniek							
Kwazulu-Na	ıtal								
Vryheid, Vr	heid Privaat \	/eeartse							

Beef: 1									
Actinobacillus	5								
Pasteure	llosis (see lu	ungs)							_
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 one	e case b	ut less than t	en and 3 =	more than 1	10 cases
Sheep								1.0(1)	
Western Ca	pe								
	est, Beaufort [Diereklinie	ek						
Sheep: 1									1
Protozo	al diseases	(other)						
Coccidios	sis								_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (4)	2.0 (1)	2.0 (2)	2.0 (3)	2.0 (2)	2.0 (3)	2.3 (4)	1.5 (2)	
Level of imported	ortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than t	en and 3 =	more than 1	10 cases
Beef	1.0(1)	2.0 (1)	2.0 (1)			1.5 (2)			
Dairy	, í	, ,				, ,		1.0(1)	
Sheep	2.3 (3)		2.0 (1)	2.0 (3)	2.0 (2)	3.0 (1)	3.0 (1)	2.0 (1)	
Goat							2.0 (3)		
Mpumalang	a						, ,		_
•	hal Diereklinie	k							
Beef: 1	Longtom Dier	akliniak							
Sheep: 2	Longton Dien	CKIIIICK							
Piet Retief,	Pets Vet Hosp	ital							
Sheep: 2									
Volksrust, C Sheep: 3	Cape Cross Vol	ksrust Die	erenospita	aı					
Gauteng									
Magaliesbu	rg, Magaliesbu	ırg; Dr Ry	an Jeffrey						
Beef: 2									
Coccidiosis in Limpopo	calves								
	louberg Dierel	kliniek							
Beef: 2									
Calves									

Sheep: 2 Lambs **North West** Klerksdorp, Klerksdorp Dierehospitaal Ottosdal, Lakensvlei Dierehospitaal Sheep: 3 Schweizer-Reneke, Buffeldoorn Dierekliniek SR Sheep: 2 Free State **Memel, Memel Veterinary Clinic** Sheep: 2 Villiers, Wilgepoort Dierekliniek Vennootskap Sheep: 2 Kwazulu-Natal Bergville, Bergville Veterinary Clinic **Estcourt, Estcourt Vet Clinic** Sheep: 3 **Mooi River, Mooirivier Vet Clinic** Beef: 1 **Eastern Cape Bathurst, Dr Jane Pistorius Graaff-Reinet, Camdeboo Veterinary Clinic Graaff-Reinet, Graaff Reinet Veterinary Clinic** Sheep: 3, Goat: 3 **Western Cape** Caledon, Caledon Dierekliniek Sheep: 2 **Darling, Tygerberg Dierehospitaal Darling** Dairy: 1 Cryptosporidium North Free Kwazulu-Eastern Western Northern PROVINCE Mpumalanga Gauteng Limpopo West State Natal Cape Cape Cape 2.3 3.0(2)2.0(2)2.5(2)2.3(7)1.7(3)**Average** (7)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)3.0(1) 3.0(1)2.5 (4) 2.0 **Dairy** 2.0(2)1.7(3)(2) 2.3 2.0(1)3.0(1)2.0(1)Sheep (3) Mpumalanga

Bethal, Bethal Dierekliniek

	Longtom Dier	ekliniek							
Beef: 2									
Gauteng									
	elegen Dierek	liniek							
Beef: 3									
Cryptosporid			D	_					
	ima Veterinar	y Consult	ing Rooms	5					
Sheep: 2 North West									
	p, Ventersdorp	Dioroklin	iok						
Beef: 3, Shee		DICIERIII	IICK						
Free State	.p. 5								
	ocolan Dierek	liniek							
	y: 2, Sheep: 2								
	Kroonstad Die	rehospita	al						
	y: 2, Sheep: 3	•							
	gepoort Dierel	kliniek Ve	nnootskap)					
Sheep: 2	-		_						
Kwazulu-Na	atal								
	ergville Veteri	nary Clini	С						
Beef: 2									
	tcourt Vet Clir	nic							
Dairy: 2									
	wick Veterinar	ry Clinic							
	y: 2, Sheep: 2								
	kstad Veterin	ary Clinic							
Beef: 3									
Beef calves	Underberg Ve	torinary S	IIPAOPV						
Beef: 3	Underberg Ve	termary 5	urgery						
Western Ca	na								
	ledon Dierekli	niek							
Dairy: 2	iledon Bierekii	IIICK							
	erberg Veterii	narv Hosp	ital						
Dairy: 2		,оор							
	h, Stellenbosc	h Animal I	Hospital						
Dairy: 1	•		•						
Cryptosporidi	osis found in sm	all intestin	e of 8 days	old dairy	calf. Die	ed - diarrhoea	3		
Fungal d	liseases								
Ringwori	m								_
Kingwori	"								-
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape

				West	State	Natal	Cape	Cape	Cape
Average	1.0 (1)	2.0 (1)	2.5 (2)	2.7 (3)	2.5 (2)	2.0 (4)		1.0 (1)	1.0 (1)
Level of impore	ortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than to	en and 3 =	more than 1	.0 cases
Beef	1.0 (1)		2.5 (2)	2.7 (3)	2.5 (2)	1.7 (3)		1.0 (1)	1.0 (1)

3.0 (1) **Dairy** 2.0(1)Sheep Mpumalanga **Balfour, Balfour Dierekliniek** Beef: 1 Gauteng Pretoria, Anima Veterinary Consulting Rooms Sheep: 2 Limpopo Makhado, Blouberg Dierekliniek Beef: 2 Four cases **Tzaneen, ZZ2 Farm Practice** Beef: 3 **North West** Christiana, Christiana Dierehospitaal Schweizer-Reneke, Buffeldoorn Dierekliniek SR Stella, Stella Dierekliniek Beef: 3 **Free State Bloemfontein, Dr Stephan Wessels** Ladybrand, Ladybrand Dierekliniek Beef: 2 Kwazulu-Natal **Bergville, Bergville Veterinary Clinic Howick, Howick Veterinary Clinic** Dairy: 3 Pietermaritzburg, Veterinary House Hospital **Underberg, Underberg Veterinary Surgery** Beef: 1 **Western Cape** Stellenbosch, Stellenbosch Animal Hospital Beef: 1 **Northern Cape** Kathu, Kathu Dierekliniek Beef: 1

Viral Dis	eases (oth	er)							
BMC (sno	otsiekte)								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average				1.0 (1)	2.0 (1)	1.0 (1)			1.0 (1)

Level of imported	ortance scale: 1 = one case, 2 = more	than one	case bu	it less than te	en and 3 = more than 1	0 cases
Beef		1.0 (1)	2.0	1.0 (1)		1.0 (1

North West

Potchefstroom, Morvet

Beef: 1

Snotsiekte confirmed in a Beefmaster bull, recovered and was tested fertile

Free State

Kroonstad, Kroonstad Dierehospitaal

Beef: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 1

Northern Cape

Kimberley, Kimberley Dierekliniek

Beef: 1

IBR (Infe	ectious bovi	ne rhind	tracheit	is)				<u>^</u>
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	 Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average		2.0 (1)			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

2.0 (1) 2.0 (2)

Gauteng

Bronkhorstspruit, Kerkstraat Dierekliniek

Beef: 2

Kwazulu-Natal

Bergville, Tugela Vet Clinic

Beef: 1

Pietermaritzburg, Veterinary House Hospital

Beef: 3

BRSV (Bo	ovine respira	atory sy	ncytial v	irus)					<u>^</u>
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western 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)

North West

Schweizer-Reneke, Buffeldoorn Dierekliniek SR

Foot-and	-mouth Disc	ease							_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State		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
Beef			2.0 (1)						
Beef: 2	Pietersburg V Bovine Leuc								
	Mpumalanga			North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					3.0 (1)	2.0 (1)		2.0 (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)				
Dairy						2.0 (1)		2.0 (2)	
Free State	'.l D 'l.								
winburg, w Beef: 3	inburg Dierek	liniek							
Kwazulu-Na									
Underberg, Dairy: 2	Underberg Ve	terinary S	Surgery						
Western Ca	ре								
	erberg Veterii	nary Hosp	ital						
Dairy: 3 Darling, Tyg Dairy: 1	erberg Diereh	ospitaal I	Darling						
Orf									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average		3.0 (2)	3.0 (1)	2.5 (2)	2.7	1.5 (4)	2.3 (3)	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

	_							
Sheep		3.0 (1)	3.0 (1) 2.5 (2)	2.7 (3)	2.0 (1)	3.0 (1)	3.0 (1)	
		2.0.(1)		(3)	1.0.(0)	2.0.(2)	1.0.(1)	2.0.(1)
Goat		3.0 (1)			1.3 (3)	2.0 (2)	1.0 (1)	2.0 (1)
Gauteng								
	raal, Themba A	nimal Clin	nic					
Sheep: 3, Go	at: 3							
Limpopo								
Makhado, E	Blouberg Dierek	liniek						
Sheep: 3								
North West								
	Christiana Dier	ehospitaa	l					
Sheep: 2								
Potchefstro	om, Morvet							
Sheep: 3								
Free State								
Bloemfonte	in, Dr Stephan	Wessels						
Sheep: 2								
Hoopstad, I	Hoopstad Diere	kliniek						
Sheep: 3								
	lgepoort Dierek	liniek Ven	nootskap					
Sheep: 3								
Kwazulu-Na								
Estcourt, Es	stcourt Vet Clin	ic						
Goat: 2								
Mooi River,	Mooirivier Vet	Clinic						
Goat: 1								
Pongola, Po	ongola Animal (Clinic						
Goat: 1								
Underberg,	Underberg Vet	erinary Su	ırgery					
Sheep: 2								
Eastern Cap								
	Riverview Trac	ling Vet C	onsulting Services	S				
Goat: 2								
	, Steynsburg D	ierehospit	taal					
Sheep: 3, Go								
Western Ca	•							
	orge Animal Ho	spital						
Sheep: 3								
Oudtshoorn	n, Oudtshoorn D	Diereklinie	ek					
Goat: 1								
Northern Ca	аре							

Northern Cape
Postmasburg, Postmasburg Dierekliniek

Goat: 2

Warts									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.5 (2)	1.0 (1)		2.0 (1)	2.0 (5)	1.8 (4)	3.0 (1)	1.5 (4)	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	1.5 (2)	1.0 (1)		2.0 (4)	1.8 (4)	3.0 (1)	3.0 (1)	2.0 (1)
Dairy				2.0 (1)			1.0 (3)	
Sheep			2.0(1)					

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Lydenburg, Longtom Dierekliniek

Beef: 2

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 1 North West

Klerksdorp, Klerksdorp Dierehospitaal

Sheep: 2
Free State

Clocolan, Clocolan Dierekliniek

Beef: 2

Kroonstad, Kroonstad Dierehospitaal

Dairy: 2

Senekal, Senekal Dierekliniek

Beef: 1

Villiers, Wilgepoort Dierekliniek Vennootskap

Beer: 2

Winburg, Winburg Dierekliniek

Beef: 3

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Newcastle, Ncanduvet Newcastle

Beef: 1

Pongola, Pongola Animal Clinic

Beef: 1

Underberg, Underberg Veterinary Surgery

Beef: 3

Eastern Cape

Steynsburg, Steynsburg Dierehospitaal

Beef: 3

Western Cape

Caledon, Caledon Dierekliniek

Dairy: 1

Darling, Tygerberg Dierehospitaal Darling

Dairy: 1

George, George Animal Hospital

Beef: 3

Stellenbosch, Stellenbosch Animal Hospital

Dairy: 1

Northern Cape

Kimberley, Kimberley Dierekliniek

Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported 3.0 (1) Dairy 1.0 (1) 2.0 (1) Free State Clocolan, Clocolan Dierekliniek Beef: 3 Kroonstad, Kroonstad Dierehospitaal Dairy: 1 Western Cape Darling, Tygerberg Dierehospitaal Darling Dairy: 2 Other viral disease not listed PROVINCE Mpumalanga Gauteng Limpopo North West State Natal Cape Cape Cape Average 3.0 (1) Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Beef 3.0 (1) North West Schweizer-Reneke, Buffeldoorn Dierekliniek SR	Rota viru	s								^
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) Dairy 1.0 (1) 2.0 (1) Free State Clocolan, Clocolan Dierekliniek Beef: 3 Kroonstad, Kroonstad Dierehospitaal Darling Dairy: 1 Western Cape Darling, Tygerberg Dierehospitaal Darling Dairy: 2 Other viral disease not listed PROVINCE Mpumalanga Gauteng Limpopo North West State Natal Eastern Cape Average 3.0 (1) Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Beef North West Schweizer-Reneke, Buffeldoorn Dierekliniek SR Beef: 3 Foglever in weaners Poisonings (Plant) and Fungal Cardiac glycoside poisoning PROVINCE Mpumalanga Gauteng Limpopo North West State Natal Cardiac glycoside poisoning Limpopo North West State Natal Eastern Western Northern Cape Average 3.0 (1) Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported 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	PROVINCE	Mpumalanga	Gauteng	Limpopo						
Beef 3.0 (1) PROVINCE Mpumalanga Gauteng Limpopo North West Schweizer-Reneke, Buffeldoorn Dierekliniek SR Beef: 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 Average 3.0 (1) Cardiac glycoside poisoning PROVINCE Mpumalanga Gauteng Limpopo North West Schweizer-Reneke, Buffeldoorn Dierekliniek SR Beef: 3.0 (1) Cardiac glycoside poisoning PROVINCE Mpumalanga Gauteng Limpopo North State Natal Eastern Cape Northern Cape Northern Cape Northern Cape North West Schweizer-Reneke, Buffeldoorn Dierekliniek SR Beef: 3.0 (1) Cardiac glycoside poisoning Limpopo North West State Natal Eastern Cape Northern Northe	Average								2.0 (1)	
Dairy 1.0 (1) Dairy 2.0 (1) Free State Clocolan, Clocolan Dierekliniek Beef: 3 Kroonstad, Kroonstad Dierehospitaal Dairy: 1 Western Cape Dairy: 2 Other viral disease not listed PROVINCE Mpumalanga Gauteng Limpopo North State State Natal Eastern 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 3.0 (1) North West Schweizer-Reneke, Buffeldoorn Dierekliniek SR Beef: 3 Free Kwazulu- Eastern Cape Northern Cape Cape Northern Cape Cape Northern Cape Average 3.0 (1) Cardiac glycoside poisoning PROVINCE Mpumalanga Gauteng Limpopo North West State Natal Eastern Cape Cape Northern Cape Cape Cape Cape Cape Cape Cape Cape		ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than :	10 cases
PROVINCE Mpumalanga Gauteng Limpopo Beef 3 Softweizer-Reneke, Buffeldoorn Dierekliniek Seef 3 Fogfever in weaners PROVINCE Mpumalanga Gauteng Limpopo Beef 3 Fogfever in weaners PROVINCE Mpumalanga Gauteng Limpopo Beef 3 Free Wazulu- Cape 3.0 (1) Beef Mpumalanga Gauteng Limpopo Beef Beef Beef Beef Beef Beef Beef Bee	Beef									
Clocolan, Clocolan Dierekliniek Beef: 3 Kroonstad, Kroonstad Dierehospitaal Dairy: 1 Western Cape Darling, Tygerberg Dierehospitaal Darling Dairy: 2 Other viral disease not listed PROVINCE Mpumalanga Gauteng Limpopo North West State Natal Cape Cape Cape Average Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported PROVINCE Mpumalanga Gauteng Limpopo North Free Natal Cape Cape Northern Cape Average Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported PROVINCE Mpumalanga Gauteng Limpopo North Free Kwazulu- Rastern Western Northern Cape Average Limpopo North Free Kwazulu- Rastern Western Northern Cape Cape Cape Cape Cape Cape Cape Cape	Dairy								2.0 (1)	
Beef: 3 Kroonstad, Kroonstad Dierehospitaal Dairy: 1 Western Cape Darling, Tygerberg Dierehospitaal Darling Dairy: 2 Other viral disease not listed PROVINCE Mpumalanga Gauteng Limpopo North West State Natal Cape Cape Cape Cape Average 3.0 (1) Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Beef 3.0 (1) North West Schweizer-Reneke, Buffeldoorn Dierekliniek SR Beef: 3 Fogfever in weaners Poisonings (Plant) and Fungal Cardiac glycoside poisoning PROVINCE Mpumalanga Gauteng Limpopo North West State Natal Cape Cape Cape Average Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported 3.0 (1) 1.0 (1) Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported	Free State									
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Dairy: 1 Western Cape Darling, Tygerberg Dierehospitaal Darling Dairy: 2 Other viral disease not listed PROVINCE Mpumalanga Gauteng Limpopo West State State Western Cape State Schweizer-Reneke, Buffeldoorn Dierekliniek SR Beef 3.0 (1) North West Schweizer-Reneke, Buffeldoorn Dierekliniek SR Beef: 3 Fogfever in weaners Poisonings (Plant) and Fungal Cardiac glycoside poisoning PROVINCE Mpumalanga Gauteng Limpopo North West State S	Beef: 3									
Western Cape Darling, Tygerberg Dierehospitaal Darling Dairy: 2 Other viral disease not listed PROVINCE Mpumalanga Gauteng Limpopo North West State Natal Cape Cape Cape Average Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Beef 3.0 (1) North West Schweizer-Reneke, Buffeldoorn Dierekliniek SR Beef: 3 Fogfever in weaners Poisonings (Plant) and Fungal Cardiac glycoside poisoning 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 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		Kroonstad Die	rehospita	al						
Darling, Tygerberg Dierehospitaal Darling Dairy: 2 Other viral disease not listed PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu- State Kwazulu- Cape Cape Northern Cape Average 3.0 (1) Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported North West Schweizer-Reneke, Buffeldoorn Dierekliniek SR Beef: 3 Fogfever in weaners Poisonings (Plant) and Fungal Cardiac glycoside poisoning PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu- Natal State Natal State Natal State Natal State Natal State Natal State Northern Cape N	•									
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PROVINCE Mpumalanga Gauteng Limpopo North West State Natal Eastern Cape Northern Cape Average Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Beef 3.0 (1) North West Schweizer-Reneke, Buffeldoorn Dierekliniek SR Beef: 3 Fogfever in weaners Poisonings (Plant) and Fungal Cardiac glycoside poisoning PROVINCE Mpumalanga Gauteng Limpopo North West State Natal Eastern Cape Northern Cape Average Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported		erberg Dieren	ospitaai L	arling						
PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu- Cape Cape Northern Cape 3.0 (1) Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported 8eef 3.0 (1) North West Schweizer-Reneke, Buffeldoorn Dierekliniek SR 8eef: 3 Fogfever in weaners Poisonings (Plant) and Fungal Cardiac glycoside poisoning PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu- Cape Cape Cape Average 3.0 (1) 1.0 (1) Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported	Daliy: 2									
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 Beef 3.0 (1) North West Schweizer-Reneke, Buffeldoorn Dierekliniek SR Beef: 3 Fogfever in weaners Poisonings (Plant) and Fungal Cardiac glycoside poisoning PROVINCE Mpumalanga Gauteng Limpopo West State Sta	Other vira	al disease n	ot listed							^
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Beef 3.0 (1) North West Schweizer-Reneke, Buffeldoorn Dierekliniek SR Beef: 3 Fogfever in weaners Poisonings (Plant) and Fungal Cardiac glycoside poisoning PROVINCE Mpumalanga Gauteng Limpopo North West State Natal Eastern Cape Cape Average 3.0 (1) 1.0 (1) Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported					1					
Reef 3.0 (1) North West Schweizer-Reneke, Buffeldoorn Dierekliniek SR Beef: 3 Fogfever in weaners Poisonings (Plant) and Fungal Cardiac glycoside poisoning PROVINCE Mpumalanga Gauteng Limpopo North West State Natal Eastern Cape Northern Cape Average 3.0 (1) 1.0 (1) Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported	PROVINCE	Mpumalanga	Gauteng	Limpopo						
Schweizer-Reneke, Buffeldoorn Dierekliniek SR Beef: 3 Fogfever in weaners Poisonings (Plant) and Fungal Cardiac glycoside poisoning PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu-Natal Eastern Cape Northern Cape Average 3.0 (1) 1.0 (1) Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported		Mpumalanga	Gauteng	Limpopo	West	State				
Schweizer-Reneke, Buffeldoorn Dierekliniek SR Beef: 3 Fogfever in weaners Poisonings (Plant) and Fungal Cardiac glycoside poisoning PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu-Natal Eastern Cape Northern Cape Average 3.0 (1) 1.0 (1) Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported	Average Level of impo				West 3.0 (1)	State	Natal	Cape	Cape	Cape
Schweizer-Reneke, Buffeldoorn Dierekliniek SR Beef: 3 Fogfever in weaners Poisonings (Plant) and Fungal Cardiac glycoside poisoning PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu- 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	Average Level of imporeported				3.0 (1)	State e case b	Natal	Cape	Cape	Cape
Poisonings (Plant) and Fungal Cardiac glycoside poisoning PROVINCE Mpumalanga Gauteng Limpopo North West State Natal Eastern Cape Northern Cape Average Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported	Average Level of imporeported Beef				3.0 (1)	State e case b	Natal	Cape	Cape	Cape
Poisonings (Plant) and Fungal Cardiac glycoside poisoning PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu-Natal Eastern Cape Cape Average Limpopo North North Natal State	Average Level of imporeported Beef North West	ortance scale: 1	= one case	e, 2 = more	3.0 (1) than on 3.0 (1)	State e case b	Natal	Cape	Cape	Cape
Province Mpumalanga Gauteng Limpopo North West State Kwazulu- Rate Cape Cape Cape Average Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported	Average Level of imporeported Beef North West Schweizer-F	ortance scale: 1	= one case	e, 2 = more	3.0 (1) than on 3.0 (1)	State e case b	Natal	Cape	Cape	Саре
PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu- Ratal Eastern Cape Northern Cape Average Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported	Average Level of imporeported Beef North West Schweizer-F Beef: 3	ortance scale: 1 Reneke, Buffel	= one case	e, 2 = more	3.0 (1) than on 3.0 (1)	State e case b	Natal	Cape	Cape	Cape
Average Limpopo West State Natal Cape Cape Cape 3.0 (1) 1.0 (1) Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported	Average Level of imporeported Beef North West Schweizer-F Beef: 3 Fogfever in w	ortance scale: 1 Reneke, Buffel reaners	= one case	e, 2 = more	3.0 (1) than on 3.0 (1)	State e case b	Natal	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	Average Level of imporeported Beef North West Schweizer-F Beef: 3 Fogfever in w	ortance scale: 1 Reneke, Buffel reaners gs (Plant)	= one case doorn Die	e, 2 = more	3.0 (1) than on 3.0 (1)	State e case b	Natal	Cape	Cape	Cape
reported	Average Level of imporeported Beef North West Schweizer-F Beef: 3 Fogfever in w Poisonin Cardiac g	ortance scale: 1 Reneke, Buffel reaners res (Plant) llycoside po	= one case doorn Die and Fu	e, 2 = more	West 3.0 (1) than on 3.0 (1) SR	State e case b	Natal ut less than t	en and 3 =	more than :	Cape 10 cases Northern
3.0 (1)	Average Level of imporeported Beef North West Schweizer-F Beef: 3 Fogfever in w Poisonin Cardiac g PROVINCE	ortance scale: 1 Reneke, Buffel reaners res (Plant) llycoside po	= one case doorn Die and Fu	e, 2 = more	West 3.0 (1) than on 3.0 (1) SR	State e case b	Natal ut less than t	en and 3 = Eastern Cape	Mestern Cape	Cape 10 cases Northern
	Average Level of impore reported Beef North West Schweizer-F Beef: 3 Fogfever in w Poisonin Cardiac g PROVINCE Average Level of impore	Reneke, Buffel reaners regs (Plant) relycoside po Mpumalanga	= one case doorn Die and Full isoning Gauteng	e, 2 = more erekliniek s	West 3.0 (1) than on 3.0 (1) SR North West	State e case b Free State	Natal ut less than t	en and 3 = Eastern Cape 3.0 (1)	Western Cape	Cape 10 cases Northern Cape

Sheep								1.0(1)	
astern Cap	e								
	delaide Veterii	nary Clinic	С						
Beef: 3									
· · · · · · · · · · · · · · · · · · ·	ng, many bulbou	ıs plants af	ter first rain	IS .					
Vestern Ca	pe est, Beaufort [Noroklini	alz.						
Sheep: 1	est, beautort t	легекини	ek						
Cestrum									,
Cestrum									-
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
Goat							1.0(1)		
astern Cap	e								
Graaff-Rein	et, Camdeboo	Veterina	ry Clinic						
Goat: 1									
Cynanch	<i>um</i> poisonin	ıg							_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average							3.0 (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
Beef							3.0 (1)	2.0(1)	
Eastern Cap	e						, ,	, ,	
	Alexandria Pla	atteland S	Spreekkam	er					
Beef: 3									
Nestern Ca	•								
	orge Animal H	ospital							
Beef: 2									
Facial ecz	zema								
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					1.7 (6)		3.0 (1)		

				2.0				
				(1)				
				1.6 (5)		3.0 (1)		
Dosvrystaat Di	ere Produ	kte						
rankfort Diere	kliniek							
land Dierehos	oitaal							
nekal Dierekli	niek							
gepoort Dierei	diniek Ve	nnootskap						
m Wassalshra	n Diarakli	nial:						
ii, wesselsbro	ıı Dierekli	IIIEK						
Α								
	ierehosni	taal						
, Steynsburg E	петенозрі	taai						
op/Dikoor								<u>^</u>
Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
	2.0 (1)	l	3.0 (1)	2.4 (5)		2.0 (1)		2.0 (1)
ortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than t	en and 3 =	more than :	10 cases
	2.0 (1)		3.0 (1)	2.4 (5)		2.0 (1)		2.0 (1)
raal, Themba <i>l</i>	Animal Cli	nic						
staa, Leeudori	ngstad Di	erekiiniek						
choon put in ch	ado nain k	illore and co	oft food					
sneep put in sn	aue, pain k	illers and sc	ort 100a					
ocolan Dierek	liniek							
Jestian Dierek								
rankfort Diere	kliniek							
loopstad Diere	ekliniek							
loopstad Diere	ekliniek							
loopstad Diere Kroonstad Die		al						
		al						
	rehospita							
Kroonstad Die	rehospita							
	rankfort Diereklingepoort Diereklingepoort Diereklinge, Steynsburg Dop/Dikoor Mpumalanga ortance scale: 1 raal, Themba A stad, Leeudori sheep put in sha	rankfort Dierekliniek land Dierehospitaal nekal Dierekliniek gepoort Dierekliniek Ver n, Wesselsbron Diereklinie e, Steynsburg Dierehospi op/Dikoor Mpumalanga Gauteng 2.0 (1) ortance scale: 1 = one case 2.0 (1) raal, Themba Animal Cli stad, Leeudoringstad Di sheep put in shade, pain k ocolan Dierekliniek	land Dierehospitaal nekal Dierekliniek gepoort Dierekliniek Vennootskap n, Wesselsbron Dierekliniek ne , Steynsburg Dierehospitaal op/Dikoor Mpumalanga Gauteng Limpopo 2.0 (1) ortance scale: 1 = one case, 2 = more 2.0 (1) raal, Themba Animal Clinic stad, Leeudoringstad Dierekliniek sheep put in shade, pain killers and scoolan Dierekliniek frankfort Dierekliniek	land Dierehospitaal nekal Dierekliniek gepoort Dierekliniek Vennootskap n, Wesselsbron Dierekliniek ne n, Steynsburg Dierehospitaal op/Dikoor Mpumalanga Gauteng Limpopo North West 2.0 (1) 2.0 (1) 3.0 (1) ortance scale: 1 = one case, 2 = more than one 2.0 (1) 3.0 (1) raal, Themba Animal Clinic stad, Leeudoringstad Dierekliniek sheep put in shade, pain killers and soft food ocolan Dierekliniek strankfort Dierekliniek	Opposyrystaat Diere Produkte Frankfort Dierekliniek Iland Dierehospitaal Inekal Dierekliniek Igepoort Dierekli	Opposyrystaat Diere Produkte Frankfort Dierekliniek Jand Dierekliniek	Obsvrystaat Diere Produkte Frankfort Dierekliniek Jand Dierehospitaal Inekal Dierekliniek Gepoort Dierekli	Opposyrystaat Diere Produkte Frankfort Dierekliniek Jand Dierekliniek

Northern Ca	ape								
	Kimberley Die	rekliniek							
Sheep: 2									
Gifblaar									-
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 1	10 cases
Beef			1.0(1)						
Limpopo									
Polokwane,	Pietersburg V	eterinary	Clinic						
Beef: 1									
Gousiekt	е								
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average		2.0 (1)	1.0 (1)						
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than :	10 cases
Beef			1.0(1)						
Sheep		2.0 (1)							
Gauteng			"						
	nima Veterinar	y Consult	ing Rooms	3					
Sheep: 2	iftiging								
Eadonia vora	irugirig								
	Pietersburg V	eterinary	Clinic						
Limpopo Polokwane,	Pietersburg V	eterinary	Clinic						
Limpopo	Pietersburg V	eterinary	Clinic						
impopo Polokwane, Beef: 1 Lantana	Pietersburg V			North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northerr Cape
Limpopo Polokwane, Beef: 1 Lantana PROVINCE		Gauteng							Northern Cape
Limpopo Polokwane, Beef: 1 Lantana PROVINCE Average		Gauteng 1.0 (1)	Limpopo 1.5 (2)	West	State	Natal 2.0 (3)	Cape	Cape	Cape
Limpopo Polokwane, Beef: 1 Lantana PROVINCE Average Level of impositions	Mpumalanga	Gauteng 1.0 (1)	Limpopo 1.5 (2) e, 2 = more	West	State	Natal 2.0 (3)	Cape	Cape	Cape

Regivable Regi										
Beef: 2 Sik: cases Tzaneen, Z22 Farm Practice Beef: 1 Bergville, Bergville Veterinary Clinic Beef: 3 Camperdown, Camperdown Vet Clinic Beef: 2 Nitrate poisoning PROVINCE Mpumalanga Gauteng Limpopo North West State Natal Eastern Cape Cape Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Goat: 2 Western Cape Oudtshoorn, Ostrimed Goat: 2 Average Limpopo North West State Natal Eastern Natal Eastern Cape Oudtshoorn, Ostrimed Goat: 2 Average Limpopo North Free Kwazulu- Eastern Province P										
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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 Goat 2.0 (1) Western Cape Oudtshoorn, Ostrimed Goat: 2 Thunderstorm, highly fertilized seed-bed, numerous small weeds; heat wave - nitrate poisoning Prussic acid poisoning PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu- Katal Cape Cape Cape Average 2.3 (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 Beef 3.0 (1) Sheep 2.0 (2) Sheep: 3 Villiers, Wilgepoort Dierekliniek Beef: 3, Sheep: 3 Villiers, Wilgepoort Dierekliniek Vennootskap Sheep: 1 Eastern Cape Steynsburg, Steynsburg Dierehospitaal	PROVINCE	Mpumalanga	Gauteng	Limpopo						
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Oudtshoorn, Ostrimed Goat: 2 Thunderstorm, highly fertilized seed-bed, numerous small weeds; heat wave - nitrate poisoning Prussic acid poisoning PROVINCE Mpumalanga Gauteng Limpopo North State State Kwazulu- Cape Cape Cape Average Limpopo State State Clocolan, Clocolan Dierekliniek Beef: 3, Sheep: 3 Villiers, Wilgepoort Dierekliniek Vennootskap Sheeps Steynsburg, Steynsburg Dierehospitaal	Goat								2.0 (1)	
Thunderstorm, highly fertilized seed-bed, numerous small weeds; heat wave - nitrate poisoning Prussic acid poisoning PROVINCE Mpumalanga Gauteng Limpopo North West State St	Western Ca	ре								
Thunderstorm, highly fertilized seed-bed, numerous small weeds; heat wave - nitrate poisoning Prussic acid poisoning PROVINCE Mpumalanga Gauteng Limpopo West State Kwazulu-State Natal Cape Cape Cape Average Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Sheep Sheep 2.0 (1) Sheep 2.0 (2) Free State Clocolan, Clocolan Dierekliniek Beef: 3, Sheep: 3 Villiers, Wilgepoort Dierekliniek Vennootskap Sheep: 1 Eastern Cape Steynsburg, Steynsburg Dierehospitaal	Oudtshoorn	, Ostrimed								
PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu- Cape Cape Northern Cape Average Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Beef Sheep	Goat: 2									
PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu- Cape Cape Northern Cape 2.3 (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 3.0 (1) Sheep 2.0 (2) Free State Clocolan, Clocolan Dierekliniek Beef: 3, Sheep: 3 Villiers, Wilgepoort Dierekliniek Vennootskap Sheep: 1 Eastern Cape Steynsburg, Steynsburg Dierehospitaal	Thunderstorn	n, highly fertilize	ed seed-bed	d, numerous	s small w	eeds; he	eat wave - nit	rate poison	ing	
Average Average Limpopo West State Natal Cape Cape Cape 2.3 (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 3.0 (1) Sheep Free State Clocolan, Clocolan Dierekliniek Beef: 3, Sheep: 3 Villiers, Wilgepoort Dierekliniek Vennootskap Sheep: 1 Eastern Cape Steynsburg, Steynsburg Dierehospitaal	Prussic a	cid poisonin	ıg							^
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) 2.0 (1) Sheep Pree State Clocolan, Clocolan Dierekliniek Beef: 3, Sheep: 3 Villiers, Wilgepoort Dierekliniek Vennootskap Sheep: 1 Eastern Cape Steynsburg, Steynsburg Dierehospitaal	PROVINCE	Mpumalanga	Gauteng	Limpopo						_
Beef 3.0 (1) 2.0 (1) Sheep 2.0 (2) Free State Clocolan, Clocolan Dierekliniek Beef: 3, Sheep: 3 Villiers, Wilgepoort Dierekliniek Vennootskap Sheep: 1 Eastern Cape Steynsburg, Steynsburg Dierehospitaal	Average							2.0 (1)		
Sheep 2.0 (2) Free State Clocolan, Clocolan Dierekliniek Beef: 3, Sheep: 3 Villiers, Wilgepoort Dierekliniek Vennootskap Sheep: 1 Eastern Cape Steynsburg, Steynsburg Dierehospitaal		ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than to	en and 3 =	more than	10 cases
Free State Clocolan, Clocolan Dierekliniek Beef: 3, Sheep: 3 Villiers, Wilgepoort Dierekliniek Vennootskap Sheep: 1 Eastern Cape Steynsburg, Steynsburg Dierehospitaal										
Clocolan, Clocolan Dierekliniek Beef: 3, Sheep: 3 Villiers, Wilgepoort Dierekliniek Vennootskap Sheep: 1 Eastern Cape Steynsburg, Steynsburg Dierehospitaal	Beef						,	2.0 (1)		
Beef: 3, Sheep: 3 Villiers, Wilgepoort Dierekliniek Vennootskap Sheep: 1 Eastern Cape Steynsburg, Steynsburg Dierehospitaal	Beef Sheep					(1) 2.0		2.0 (1)		
Villiers, Wilgepoort Dierekliniek Vennootskap Sheep: 1 Eastern Cape Steynsburg, Steynsburg Dierehospitaal						(1) 2.0		2.0 (1)		
Sheep: 1 Eastern Cape Steynsburg, Steynsburg Dierehospitaal	Sheep Free State	ocolan Dierek	liniek			(1) 2.0		2.0 (1)		
Eastern Cape Steynsburg, Steynsburg Dierehospitaal	Sheep Free State Clocolan, Cl Beef: 3, Shee	p: 3				(1) 2.0		2.0 (1)		
Steynsburg, Steynsburg Dierehospitaal	Sheep Free State Clocolan, Cl Beef: 3, Shee	p: 3		nnootskap		(1) 2.0		2.0 (1)		
	Sheep Free State Clocolan, Cl Beef: 3, Shee Villiers, Wil	p: 3		nnootskap		(1) 2.0		2.0 (1)		
Beef: 2	Sheep Free State Clocolan, Cl Beef: 3, Shee Villiers, Will Sheep: 1	p: 3 gepoort Dierel		nnootskap		(1) 2.0		2.0 (1)		
	Sheep Free State Clocolan, Cl Beef: 3, Shee Villiers, Wild Sheep: 1 Eastern Cap Steynsburg,	p: 3 gepoort Dierel e	diniek Ve			(1) 2.0		2.0 (1)		

Seneciosi	is		<u>^</u>						
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 (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							2.0 (1)		
Goat						1.0(1)		2.0 (1)	
Goat: 1 Kokstad, Ko	ntal n, Camperdov kstad Veterina		nic						
Sheep: 2	, Stutterheim		-						
Western Ca	o poisoning in yo pe Durban Straat								
Tulip Pois	soning								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average				2.0 (1)		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 1	10 cases
Beef				2.0(1)		1.0(1)	1.0 (1)		
Beef: 2	Klerksdorp Di	erehospit	aal						
Kwazulu-Na Mooi River, Beef: 1	Mooirivier Vet	Clinic							
Eastern Cap Graaff-Rein Beef: 1	e et, Graaff Reir	net Veteri	nary Clinic	:					
Mycotoxi	cosis								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern 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 **Dairy** 2.0(1)1.0(1)Kwazulu-Natal **Howick, Howick Veterinary Clinic** Dairy: 2 **Western Cape Darling, Tygerberg Dierehospitaal Darling** Dairy: 1 Other 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, Anima Veterinary Consulting Rooms** Sheep: 1 Amaranthus poisoning Poisonings **Water contamination** North Free Kwazulu-**Eastern** Western Northern PROVINCE Mpumalanga Gauteng Limpopo 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 **Dairy** 1.0(1)**Western Cape Darling, Tygerberg Dierehospitaal Darling** Dairy: 1 **Urea Poisoning** North Free Kwazulu-Eastern Western Northern **PROVINCE Mpumalanga Gauteng Limpopo** State Natal Cape Cape Cape **Average**

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							2.0 (1)		
Sheep							3.0 (1)		
Beef: 2	e Riverview Tra , Steynsburg D) Service	es				
Snake Bit	te								_
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 one		ut less than to	en and 3 =	more than	10 cases
Beef					2.0 (1)				
Sheep	1.0(1)								
Sheep: 1 Free State Winburg, W Beef: 2	Longtom Dier								
	products 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 to	en and 3 =	more than	10 cases
Beef		1.0 (1)							
Gauteng	waal Theresh : 1								
н аттапsкі Beef: 1	raal, Themba <i>I</i>	Animai Cli	IIIC						
Other									
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

Beef				1.0 (1)))	1.0(1)			
North West	<u>. </u>								
Christiana,	Christiana Die	rehospita	al						
Beef: 1									
Slangkop									
Kwazulu-Na	atal								
Pietermarit	zburg, Veterin	ary House	Hospital						
Beef: 1									
2 cases lead _l	poisoning in bef	cows							
Macro N	utritional F	Problem	าร						
Energy d	eficiency								<u>^</u>
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average						2.3 (4)	2.8 (5)	1.0 (1)	3.0 (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 1	.0 cases
Beef						2.0 (2)	3.0 (1)		3.0 (1)
Dairy						2.0 (1)	3.0 (1)	1.0(1)	
Sheep						3.0 (1)	2.5 (2)		3.0 (1)
Goat							3.0 (1)		3.0 (1)
Kwazulu-Na	ital								
Howick, Ho	wick Veterina	y Clinic							
Dairy: 2		•							
Mooi River,	Mooirivier Vet	Clinic							
Beef: 1									
Underberg,	Underberg Ve	terinary S	Surgery						
Beef: 3									
Drought									
Sheep: 3									
Eastern Cap	e								
Graaff-Rein	et, Graaff Reir	net Veteri	nary Clinic	3					
Sheep: 2									
Steynsburg	, Steynsburg D	Dierehospi	itaal						
Beef: 3, Dairy	y: 3, Sheep: 3, 0	Goat: 3							
Western Ca									
	y, Dr Otto Krie	k							
Dairy: 1									
Northern Ca									
	g, Postmasbu	rg Dierek	liniek						
Beef: 3, Shee	ep: 3, Goat: 3								
Protein d	eficiency								^

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average		1.0 (3)				1.5 (2)	3.0 (4)	1.0 (2)	3.0 (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		1.0(1)				1.5 (2)	3.0 (1)		3.0 (1)
Dairy							3.0 (1)	1.0(2)	, í
Sheep		1.0 (1)					3.0 (1)	110 (=)	3.0 (1)
Goat		1.0 (1)	,				3.0 (1)		3.0 (1)
Gauteng		1.0 (1)					3.0 (1)		3.0 (1)
	aal, Themba A	nimal Cli	nic						
Beef: 1, Shee									
Kwazulu-Na									
	Mooirivier Vet	Clinic							
Beef: 1									
	Underberg Ve	terinary S	urgery						
Beef: 2									
Drought E astern Cap	0								
-	e Steynsburg D	ierehoeni	taal						
	: 3, Sheep: 3, G		Laai						
Western Ca		Jour. J							
	, Dr Otto Kriel	k							
Dairy: 1	,,								
	, Invitrotech								
Dairy: 1									
	w in poor condi	tion							
Northern Ca	•								
	g, Postmasbu	rg Dierekl	iniek						
Beef: 3, Shee	p: 3, Goat: 3								
Phosphat	e deficiency	/							_
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 1	10 cases
Beef									2.0(1)
Northern Ca	pe								
Postmasbur	g, Postmasbu	rg Dierekl	iniek						
Beef: 2									
Calcium o	leficiency								
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape

Average						2.0 (2)		1.0 (3)	
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 1	l0 cases
Beef						1.0(1)			
Dairy						3.0 (1)		1.0(2)	
Sheep						· · · · · · · · · · · · · · · · · · ·		1.0 (1)	
Kwazulu-Na	ntal								
	wick Veterinar	y Clinic							
Dairy: 3									
Mooi River, Beef: 1	Mooirivier Vet	Clinic							
Western Ca	ne								
	ledon Dierekli	niek							
Dairy: 1									
	erberg Diereh	ospitaal [arling						
Dairy: 1	Douban Chast	Diavaldia	iale Wassa						
Sheep: 1	Durban Straat	Dierekiin	iek worce	ster					
	and the second of		_						
MICTO NU	itritional P	robiem	S						
Copper d	eficiency								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average						2.0 (1)		1.0 (1)	
	ortanco cealou 1		2 – more	than on	e case b	ut less than to	en and 3 =	more than 1	10 cases
Level of impore	ortance scale: 1	= one case	z, 2 – more			at 1655 than t		more enam s	
	ortance scale: 1	= one case	z, 2 – more			2.0 (1)			
reported	ortance scale. 1	= one case	z, 2 – more					1.0 (1)	
reported Beef		= one case	., 2 – more						
reported Beef Sheep Kwazulu-Na									
reported Beef Sheep Kwazulu-Na Underberg, Beef: 2	ital Underberg Ve								
reported Beef Sheep Kwazulu-Na Underberg, Beef: 2 Western Ca	ntal Underberg Ve	terinary S	urgery						
reported Beef Sheep Kwazulu-Na Underberg, Beef: 2 Western Ca Stellenbosc	ital Underberg Ve	terinary S	urgery						
reported Beef Sheep Kwazulu-Na Underberg, Beef: 2 Western Ca	ntal Underberg Ve pe h, Stellenbosc	terinary S	urgery						
reported Beef Sheep Kwazulu-Na Underberg, Beef: 2 Western Ca Stellenbosc Sheep: 1 Zinc defice	ntal Underberg Ve pe h, Stellenbosc	terinary S h Animal I	urgery Hospital	North	Free State		Eastern Cape		^ Northern Cape
reported Beef Sheep Kwazulu-Na Underberg, Beef: 2 Western Ca Stellenbosc Sheep: 1 Zinc defice	ntal Underberg Ver pe h, Stellenbosch	terinary S h Animal I	urgery Hospital	North	Free	2.0 (1) Kwazulu-	Eastern	1.0 (1) Western	^ Northern
reported Beef Sheep Kwazulu-Na Underberg, Beef: 2 Western Ca Stellenbosc Sheep: 1 Zinc defic PROVINCE	ntal Underberg Ver pe h, Stellenbosch	terinary S h Animal I Gauteng	urgery Hospital Limpopo	North	Free	2.0 (1) Kwazulu- Natal 2.0 (1)	Eastern Cape	1.0 (1) Western Cape 2.0 (1)	Northern Cape
reported Beef Sheep Kwazulu-Na Underberg, Beef: 2 Western Ca Stellenbosc Sheep: 1 Zinc defic PROVINCE Average Level of impo	ntal Underberg Ver pe h, Stellenbosch ciency Mpumalanga	terinary S h Animal I Gauteng	urgery Hospital Limpopo	North	Free	2.0 (1) Kwazulu- Natal 2.0 (1)	Eastern Cape	1.0 (1) Western Cape 2.0 (1)	Northern Cape

Dairy								2.0(1)	
Kwazulu-Na	tal								
Underberg,	Underberg Ve	terinary S	urgery						
Beef: 2									
Western Cap									
	erberg Veterii	nary Hosp	ital						
Dairy: 2									
Selenium	deficiency								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average				3.0 (2)		2.5 (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 1	10 cases
Beef						2.5 (2)			
Sheep				3.0 (1)			_		
Goat				3.0 (1)					
North West									
Christiana, (Christiana Die	rehospita	al						
Sheep: 3, Go									
Kwazulu-Na									
	dumeni Herd h	ealth							
Beef: 2	11 dl \/								
Beef: 3	Underberg Ve	terinary S	urgery						
	ım deficienc	S Y							^
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 1	10 cases
Beef					2.0 (1)				
Free State									
Ladybrand, Beef: 2	Ladybrand Die	erekliniek							
Iodine de	ficiency								^
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	out less than t	en and 3 =	more than	10 cases
Beef						1.0(1)			
Kwazulu-Na	atal						_		
Bergville, B Beef: 1	ergville Veteri	nary Clini	С						
Vitamin /	A deficiency								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average				3.0 (2)	2.0 (1)			1.0 (1)	
Level of impore	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				3.0 (1)					
Sheep				3.0 (1)	2.0 (1)			1.0 (1)	
North West	li .								
	Christiana Die	rehospita	al						
Beef: 3, Shee Free State	ep: 3								
	gepoort Dierel	rliniek Ve	nnootskan						
Sheep: 2	дероогт Бісісі	tilliek ve	шоосэкар						
Western Ca	ре								
	h, Stellenbosc	h Animal	Hospital						
Sheep: 1 Vitamin E	31 deficienc	v							^
	Mpumalanga		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	out less than t	en and 3 =	more than	10 cases
Sheep								1.0(1)	
Goat								1.0(1)	
Western Ca	ре								
	est, Beaufort [Diereklinie	ek						
Goat: 1	h Challanha	h Ami	llaan!tal						
Stellenbosc Sheep: 1	h, Stellenbosc	n Animal	nospitai						
			124.5						
Multi-fa	ctorial Dise	ease Co	nditions	5					

Abortions									4
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)			1.0 (1)	2.5 (4)	2.1 (7)	2.0 (1)	1.8 (5)	
Level of imported	ortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than t	en and 3 =	more than	10 cases
Beef	1.0 (1)				2.3 (3)	2.2 (5)	2.0 (1)	2.0 (1)	
Dairy						2.0 (2)		1.8 (4)	
Sheep				1.0 (1)	3.0 (1)				
Beef: 1 North West	four Diereklin		_						
	Christiana Die	rehospita	al						
Sheep: 1									
Free State	loopstad Diere	akliniak							
Beef: 3, Shee		ekiiiiek							
	Kroonstad Die	rehospita	al						
Beef: 2		•							
Winburg, W	inburg Dierek	liniek							
Beef: 2									
Kwazulu-Na									
	ergville Veteri	nary Clini	С						
Beef: 2	dumeni Herd h	aalth							
Dandee, End Dairy: 1	ишнен пета т	learui							
	wick Veterina	rv Clinic							
Beef: 3, Dairy		,							
	Mooirivier Vet	t Clinic							
Beef: 1									
	zburg, Veterin	ary House	Hospital						
Beef: 2									
	Underberg Ve	terinary S	urgery						
Beef: 3 Eastern Can	•								
Eastern Cap Alexandria	e Alexandria Pla	atteland C	nreekkam	ner .					
Beef: 2	AICAGIIUI IG PI	accelanu S	PICCKRAII						
Western Ca _l	pe								
	erberg Diereh	ospitaal I	Darling						
Beef: 2	<u> </u>	-							
George, Geo	orge Animal H	ospital							
Dairy: 2		_							
	, Dr Otto Krie	k							

Dairy: 2												
Culled 3 cows												
Stellenbosch, Stellenbosch Animal Hospital												
Dairy: 1												
Stillbirths	5								_			
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape			
Average					3.0 (2)	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												
Beef					3.0 (1)	2.0 (1)		1.0 (1)				
Sheep					3.0 (1)							
Beef: 2 Western Ca	h, Stellenbosc											
	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape			
Average	1.8 (4)	1.6 (5)		2.7 (3)	3.0 (3)	2.0 (5)	2.5 (4)	2.0 (2)				
Level of imported	ortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than t	en and 3 =	more than	10 cases			
Beef	1.7 (3)	1.5 (2)		2.5 (2)	3.0 (2)	2.0 (3)		2.0 (1)				
Sheep	2.0 (1)	1.5 (2)		3.0 (1)	3.0 (1)	3.0 (1)	2.5 (2)	2.0 (1)				
Goat		2.0 (1)				1.0 (1)	2.5 (2)					
Mpumalang Balfour, Bal Beef: 1	a four Diereklin	iek										
Grootvlei, G Beef: 2	rootvlei Diere											
	Longtom Dier	ekliniek										
Beef: 2, Shee	:p: 2											

Gauteng									
		·! CI:							
	raal, Themba A	ınımai Cii	nic						
	ep: 2, Goat: 2		Usanital s	ad Duad		Animal Clini			
	nderstepoort A	cademic	Hospitai ai	na Proa	uction A	Animai Ciini	<u> </u>		
Beef: 1, Shee	•								
North West									
	Christiana Die	renospita	aı						
Beef: 3, Shee									
	p, Ventersdorp	Diereklir	nek						
Beef: 2									
Free State									
	loopstad Diere	ekliniek							
Beef: 3, Shee									
	inburg Dierek	liniek							
Beef: 3									
Kwazulu-Na									
	ngola Animal	Clinic							
Beef: 1, Goat									
	Underberg Ve	terinary S	Surgery						
Beef: 3, Shee									
	yheid Privaat \	eeartse							
Beef: 2									
Eastern Cap									
	r Jane Pistoriu	S							
Goat: 3									
Foot abscess									
	et, Graaff Reir	et Veteri	nary Clinic	:					
Sheep: 2, Go									
	, Steynsburg D	ierehosp	itaal						
Sheep: 3									
Western Ca	-								
	est, Beaufort [Diereklini	ek						
Sheep: 2									
Darling, Tyg	gerberg Diereh	ospitaal I	Darling						
Beef: 2									
Abscesse	s in general								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (2)	2.3 (3)			2.3 (3)	2.0 (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	2.0 (1)	2.0 (1)			3.0 (1)	2.0 (3)			
Dairy		2.0 (1)							
Sheep	2.0 (1)				2.0				
					(2)				

2.0 (1)

3.0 (1)

Goat

N4	_								
Mpumalang	a Longtom Dier	akliniak							
Beef: 2, Shee		ckiiiiek							
Gauteng	μ. Ζ								
_	aal, Themba A	nimal Cli	nic						
Beef: 2, Dairy		Allilliai Cii	IIIC						
Free State	. 2, 0000. 3								
	loopstad Diere	kliniek							
Beef: 3, Shee									
	n, Wesselsbro	n Dierekli	niek						
Sheep: 1	,								
Kwazulu-Na	tal								
Bergville, B	ergville Veteri	nary Clini	С						
Beef: 2									
Mooi River,	Mooirivier Vet	Clinic							
Beef: 2									
Mtubatuba,	Mtubatuba Ar	nimal Clin	ic						
Beef: 2, Goat	: 2								
Bladder s	tones								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State		Eastern Cape	Western Cape	Northern Cape
Average	1.0(1)				2.0			1.0(1)	
Average	1.0 (1)				(3)			1.0 (1)	
reported Sheep	1.0 (1)				2.0 (3)			1.0 (1)	
Mpumalang	a					<u>.</u>			
	Longtom Dier	ekliniek							
Sheep: 1									
Free State									
Frankfort, F	rankfort Diere	kliniek							
Sheep: 2									
	loopstad Diere	ekliniek							
Sheep: 3									
	Kroonstad Die	rehospita	al						
Sheep: 1									
Western Ca									
	erberg Veterii	nary Hosp	ital						
Sheep: 1									
Blindness	;								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)				2.3 (8)	2.0 (1)	3.0 (2)	1.0 (1)	

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

2.0 (1)	The state of the s	2.3 (3)	2.0 (1)	3.0 (1)		
		2.2		3.0 (1)	1.0 (1)	
	2.0 (1)	2.0 (1)	2.2	(3) 2.0 (1)	2.0 (1) (3) 2.0 (1) 3.0 (1) 2.2 3.0 (1)	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$

Mpumalanga

Lydenburg, Longtom Dierekliniek

Beef: 2 Free State

Clocolan, Clocolan Dierekliniek

Beef: 2, Sheep: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Ladybrand, Ladybrand Dierekliniek

Sheep: 3

Senekal, Senekal Dierekliniek

Sheep: 1

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Winburg, Winburg Dierekliniek

Beef: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Eastern Cape

Steynsburg, Steynsburg Dierehospitaal

Beef: 3, Sheep: 3
Western Cape

Beaufort West, Beaufort Dierekliniek

Sheep: 1

Bloat									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (2)	2.0 (2)			2.7 (3)	1.5 (2)		1.3 (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 1	l0 cases
Beef	1.0 (2)	2.0 (1)			2.5 (2)	2.0 (1)		1.0 (1)	
Sheep					3.0 (1)			1.5 (2)	
Goat		2.0 (1)				1.0 (1)			

Mpumalanga

Grootvlei, Grootvlei Dierekliniek

Beef: 1

Lydenburg, Longtom Dierekliniek

Gauteng									
	raal, Themba <i>l</i>	Animal Cli	nic						
Beef: 2, Goat	t: 2								
ree State									
	locolan Dierek	liniek							
Beef: 3, Shee									
	inburg Dierek/	liniek							
Beef: 2									
(wazulu-Na			•						
	vn, Camperdov	vn Vet Cli	nic						
Goat: 1		111							
	dumeni Herd l	neartn							
Beef: 2									
Nestern Ca		nawa Uaam	!+-I						
	verberg Veteri	nary Hosp	itai						
Sheep: 2	Durban Straat	Diarablin	iak Waraa						
Beef: 1, Shee	Durban Straat	Dierekiin	iek worce	ster					
Blood gu	t (sheep and	d goat)							-
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average								2.0 (1)	
Level of impo	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =		10 cases
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =		10 cases
Level of imported		= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
reported Sheep Western Ca Caledon, Ov				than on	e case b	ut less than t	en and 3 =	more than	10 cases
Level of impore reported Sheep Western Ca Caledon, Ox	pe			than on	e case b	ut less than t	en and 3 =	more than	10 cases
Level of impore reported Sheep Western Ca Caledon, Over the control of the cont	pe verberg Veteri			than on	e case b	ut less than t	en and 3 =	more than	10 cases
Level of impore reported Sheep Western Ca Caledon, Ox Sheep: 2 Blue udd	pe verberg Veteri	nary Hosp	ital	North West		Kwazulu-		more than	-
Level of impore reported Sheep Western Ca Caledon, Over the control of the cont	pe verberg Veteri er	nary Hosp	ital	North	Free	Kwazulu-	Eastern	more than 2.0 (1) Western	Northern
Level of impereported Sheep Western Ca Caledon, Over Sheep: 2 Blue udd PROVINCE Average Level of imperess and impere	pe verberg Veteri er Mpumalanga	nary Hosp Gauteng	ital	North West	Free State 1.8 (5)	Kwazulu- Natal	Eastern Cape	western Cape 2.0 (2)	Northern Cape
Level of impore reported Sheep Western Ca Caledon, Over Sheep: 2 Blue udd PROVINCE	er Mpumalanga	nary Hosp Gauteng	ital	North West	Free State 1.8 (5)	Kwazulu- Natal	Eastern Cape	western Cape 2.0 (2)	Northern Cape
Level of impore reported Sheep Western Ca Caledon, Over Sheep: 2 Blue udd PROVINCE Average Level of impore reported	pe verberg Vetering er Mpumalanga 2.0 (1) ortance scale: 1	nary Hosp Gauteng	ital	North West	Free State 1.8 (5) e case b	Kwazulu- Natal 1.0 (1) ut less than t	Eastern Cape	western Cape 2.0 (2) more than	Northern Cape
Level of impore reported Sheep Western Ca Caledon, Ox Sheep: 2 Blue udd PROVINCE Average Level of impore reported Sheep Goat	pe verberg Vetering Per vetering Pe	nary Hosp Gauteng	ital	North West	Free State 1.8 (5) e case b	Kwazulu- Natal 1.0 (1) ut less than t	Eastern Cape	western Cape 2.0 (2) more than 2.0 (1)	Northern Cape
Level of impore reported Sheep Western Ca Caledon, Ox Sheep: 2 Blue udd PROVINCE Average Level of impore reported Sheep Goat Mpumalang	pe verberg Vetering vete	Gauteng = one case	ital	North West	Free State 1.8 (5) e case b	Kwazulu- Natal 1.0 (1) ut less than t	Eastern Cape	western Cape 2.0 (2) more than 2.0 (1)	Northern Cape
Level of impore reported Sheep Western Ca Caledon, Over Sheep: 2 Blue udd PROVINCE Average Level of impore reported Sheep Goat Mpumalang Lydenburg,	pe verberg Vetering Per vetering Pe	Gauteng = one case	ital	North West	Free State 1.8 (5) e case b	Kwazulu- Natal 1.0 (1) ut less than t	Eastern Cape	western Cape 2.0 (2) more than 2.0 (1)	Northern Cape
Level of impore reported Sheep Western Ca Caledon, Ox Sheep: 2 Blue udd PROVINCE Average Level of impore reported Sheep Goat Mpumalang	pe verberg Vetering vete	Gauteng = one case	ital	North West	Free State 1.8 (5) e case b	Kwazulu- Natal 1.0 (1) ut less than t	Eastern Cape	western Cape 2.0 (2) more than 2.0 (1)	Northern Cape

Sheep: 2 Clocolan, Clocolan Dierekliniek Sheep: 2 Kroonstad, Kroonstad Dierehospitaal Sheep: 1 Villiers, Wilgepoort Dierekliniek Vennootskap Sheep: 2 Winburg, Winburg Dierekliniek Sheep: 2 Kwazulu-Natal **Bergville, Tugela Vet Clinic** Sheep: 1 **Western Cape Caledon, Overberg Veterinary Hospital** Sheep: 2 **Ceres, Ceres Veterinary Hospital** Goat: 2 Diarrhoea Kwazulu- Eastern North Free Western Northern PROVINCE Mpumalanga Gauteng Limpopo West State Natal Cape Cape Cape 2.3 (10) 2.0 (2) 1.5 (2) 2.8 (9) 2.0(5)2.0(3)**Average** (20)Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported 2.4 2.0 (1) 1.5 (2) 2.8 (5) 3.0(1) **Beef** 2.0(4)2.5 (6) (9)2.3 2.0(2)1.5 (2) **Dairy** (3) 2.4 2.8(4)2.0(1)2.0(2)Sheep (8)Goat 2.0(1)**Mpumalanga Balfour, Balfour Dierekliniek** Beef: 1 Grootvlei, Grootvlei Dierekliniek Beef: 2 Hendrina, Mooiplaas Veterinêre Dienste Beef: 3 Calves Lydenburg, Longtom Dierekliniek Beef: 2, Sheep: 2 Gautena Hammanskraal, Themba Animal Clinic Beef: 2, Goat: 2 Limpopo **Tzaneen, ZZ2 Farm Practice**

Beef: 1

Vaalwater, Vaalwater Dierespreekkamer

Beef: 2 Two calves chronic diarrhoea **North West Brits, Brits Dierekliniek** Beef: 3, Sheep: 3 Christiana, Christiana Dierehospitaal Beef: 3, Sheep: 3 Klerksdorp, Klerksdorp Dierehospitaal Beef: 2, Sheep: 2 Potchefstroom, Morvet Beef: 3 Calves Sheep: 3 Lambs Schweizer-Reneke, Buffeldoorn Dierekliniek SR Beef: 3 **Free State** Clocolan, Clocolan Dierekliniek Beef: 3, Dairy: 3, Sheep: 3 Frankfort, Frankfort Dierekliniek Beef: 3, Sheep: 3 Hoopstad, Hoopstad Dierekliniek Beef: 3, Sheep: 3 **Kroonstad, Kroonstad Dierehospitaal** Beef: 2, Dairy: 2, Sheep: 2 Ladybrand, Ladybrand Dierekliniek Beef: 3 **Memel, Memel Veterinary Clinic** Sheep: 3 Parys, Parys Dierehospitaal Beef: 2 Reitz, Riemland Dierehospitaal Beef: 2 Senekal, Senekal Dierekliniek Dairy: 2, Sheep: 1 Villiers, Wilgepoort Dierekliniek Vennootskap Sheep: 2 Vrede, Vrede Dierehospitaal Sheep: 2 Lambs Wesselsbron, Wesselsbron Dierekliniek Winburg, Winburg Dierekliniek Beef: 3 Kwazulu-Natal **Bergville, Bergville Veterinary Clinic** Beef: 3 Bergville, Tugela Vet Clinic Beef: 1, Sheep: 1 **Dundee, Endumeni Herd health** Beef: 3, Dairy: 1

Howick, Howick Veterinary Clinic

Mooi River, Mooirivier Vet Clinic

Beef: 3, Dairy: 3

Beef: 2

Beef: 3, Shee	Underberg Ve	ccimai y s	IIITAETV						
			urgery						
Western Cap Caledon, Cal	pe ledon Dierekli	niek							
Dairy: 1	icaon Dicient	mek							
	erberg Diereh	ospitaal [Darling						
Beef: 3 Malmosbury	, Dr Otto Krie	l _r							
Dairy: 2	, Di Otto Kile	Λ							
Epididym	itis								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)							1.0 (1)	
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Sheep	1.0(1)							1.0 (1)	
Mpumalanga									
Lydenburg, Sheep: 1	Longtom Dier	ekliniek							
Western Cap	pe								
	est, Beaufort [Diereklinie	ek						
Sheep: 1									
Eye Canc	er								^
				North	Free				
PROVINCE	Mpumalanga	Gauteng	Limpopo	West	State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
PROVINCE Average	Mpumalanga	Gauteng	Limpopo						
Average				West	1.3 (6)	3.0 (1)	Cape	2.0 (1)	Саре
Average Level of impo	1.0 (1)			West	1.3 (6)	3.0 (1)	Cape	2.0 (1)	Саре
Average Level of imporeported	1.0 (1) ortance scale: 1			West	1.3 (6) e case b	3.0 (1)	Cape	2.0 (1)	Саре
Average Level of imporeported Beef	1.0 (1) ortance scale: 1			West	1.3 (6) e case b 2.0 (1) 1.3	Natal 3.0 (1) ut less than t	Cape	Cape 2.0 (1) more than	Саре
Average Level of impore reported Beef Dairy Sheep	1.0 (1) ortance scale: 1 1.0 (1)	= one case		West	1.3 (6) e case b 2.0 (1) 1.3 (4) 1.0	Natal 3.0 (1) ut less than t	Cape	Cape 2.0 (1) more than	Саре
Average Level of impore reported Beef Dairy Sheep Mpumalang: Lydenburg,	1.0 (1) ortance scale: 1 1.0 (1)	= one case		West	1.3 (6) e case b 2.0 (1) 1.3 (4) 1.0	Natal 3.0 (1) ut less than t	Cape	Cape 2.0 (1) more than	Саре
Average Level of imporeported Beef Dairy Sheep Mpumalanga Lydenburg, Beef: 1	1.0 (1) ortance scale: 1 1.0 (1)	= one case		West	1.3 (6) e case b 2.0 (1) 1.3 (4) 1.0	Natal 3.0 (1) ut less than t	Cape	Cape 2.0 (1) more than	Саре
Average Level of impore reported Beef Dairy Sheep Mpumalanga Lydenburg, Beef: 1 Free State Kroonstad, I	1.0 (1) ortance scale: 1 1.0 (1)	= one case	e, 2 = more	West	1.3 (6) e case b 2.0 (1) 1.3 (4) 1.0	Natal 3.0 (1) ut less than t	Cape	Cape 2.0 (1) more than	Саре
Average Level of imporeported Beef Dairy Sheep Mpumalanga Lydenburg, Beef: 1 Free State Kroonstad, I Dairy: 2	1.0 (1) ortance scale: 1 1.0 (1) a Longtom Dier Kroonstad Die	= one case ekliniek rehospita	e, 2 = more	West	1.3 (6) e case b 2.0 (1) 1.3 (4) 1.0	Natal 3.0 (1) ut less than t	Cape	Cape 2.0 (1) more than	Саре
Average Level of imporeported Beef Dairy Sheep Mpumalanga Lydenburg, Beef: 1 Free State Kroonstad, I Dairy: 2	1.0 (1) ortance scale: 1 1.0 (1) 1.0 (1)	= one case ekliniek rehospita	e, 2 = more	West	1.3 (6) e case b 2.0 (1) 1.3 (4) 1.0	Natal 3.0 (1) ut less than t	Cape	Cape 2.0 (1) more than	Саре

Dairy: 1, Sheep: 1 Wesselsbron, Wesselsbron Dierekliniek Winburg, Winburg Dierekliniek Beef: 2 Kwazulu-Natal **Howick, Howick Veterinary Clinic** Dairy: 3 **Western Cape** Malmesbury, Invitrotech Dairy: 2 Culled 2 cows **Eye infections** North Free Kwazulu-Eastern Western Northern **PROVINCE Mpumalanga Gauteng Limpopo** West State Natal Cape Cape Cape 2.6 **Average** 2.5 (10) 1.5 (2) 1.0 (1) 2.8 (6) 2.1 (14) 3.0 (2) 1.8 (6) 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 **Beef** 2.5 (6) 2.0(1)1.0(1)3.0 (4) 2.1 (9) 3.0 (1) 2.0(3)2.0(1)(11)2.0 **Dairy** 2.5 (2) 2.0(2)(1) 2.6 Sheep 2.5 (4) 2.0(1)3.0 (1) 1.0(1)(9)1.0 1.0(1)3.0(1) Goat 1.5(2)(1) **Mpumalanga Balfour, Balfour Dierekliniek** Beef: 2, Sheep: 2 Grootvlei, Grootvlei Dierekliniek Beef: 2 Lydenburg, Longtom Dierekliniek Beef: 3, Sheep: 2 Lydenburg, Lydenburg Dierespreekkamer Beef: 2 Standerton, Econovet Beef: 3, Sheep: 3 **Volksrust, Cape Cross Volksrust Dierehospitaal** Beef: 3, Sheep: 3 Gauteng Hammanskraal, Themba Animal Clinic **Pretoria, Anima Veterinary Consulting Rooms** Beef: 2 Limpopo **Tzaneen, ZZ2 Farm Practice**

Beef: 1

North West Christiana, Christiana Dierehospitaal Beef: 3, Sheep: 3 Klerksdorp, Klerksdorp Dierehospitaal Beef: 3, Sheep: 2 Leeudoringstad, Leeudoringstad Dierekliniek Beef: 3 Moraxella Ventersdorp, Ventersdorp Dierekliniek Beef: 3 **Free State Bloemfontein, Dr Stephan Wessels** Beef: 3, Sheep: 3 Clocolan, Clocolan Dierekliniek Beef: 2, Dairy: 2, Sheep: 2 Frankfort, Frankfort Dierekliniek Beef: 3, Sheep: 3 **Hoopstad, Hoopstad Dierekliniek** Beef: 3, Sheep: 3 Kroonstad, Kroonstad Dierehospitaal Beef: 3 **Memel, Memel Veterinary Clinic** Beef: 3 Parys, Parys Dierehospitaal Beef: 3, Sheep: 3 Reitz, Riemland Dierehospitaal Beef: 3, Sheep: 2 Senekal, Senekal Dierekliniek Goat: 1 Viljoenskroon, Viljoenskroon Dierekliniek Beef: 3, Sheep: 3 Vrede, Vrede Dierehospitaal Sheep: 2 Moraxella Wesselsbron, Wesselsbron Dierekliniek Beef: 2, Sheep: 2 Winburg, Winburg Dierekliniek Beef: 3 Kwazulu-Natal **Bergville, Bergville Veterinary Clinic** Beef: 3 Bergville, Tugela Vet Clinic Beef: 2, Sheep: 2, Goat: 2 Camperdown, Camperdown Vet Clinic Beef: 1 **Dundee, Endumeni Herd health** Beef: 2, Dairy: 2 **Howick, Howick Veterinary Clinic** Beef: 2, Dairy: 3 **Mooi River, Mooirivier Vet Clinic** Beef: 3 Mtubatuba, Mtubatuba Animal Clinic Beef: 2 Pongola, Pongola Animal Clinic

Beef: 1, Goat: 1

Beef: 3
Eastern Cape

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Beef: 3, Sheep: 3
Western Cape

Caledon, Caledon Dierekliniek

Beef: 2

Darling, Tygerberg Dierehospitaal Darling

Beef: 2

Malmesbury, Dr Otto Kriek

Dairy: 1

Moorreesburg, Tygerberg Moorreesburg

Beef: 2

Stellenbosch, Stellenbosch Animal Hospital

Sheep: 1

Swellendam, Swellendam Dierehospitaal

Dairy: 3

Northern Cape

Kimberley, Kimberley Dierekliniek

Beef: 2 Pink eyes

Postmasburg, Postmasburg Dierekliniek

Goat: 3

Joint Ill									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.5 (2)			2.0 (2)	2.0 (3)	1.5 (2)	1.0 (1)		

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

Beef	1.5 (2)	2.0 (3.0 (1)	1.5 (2)		
Sheep		2.0 (1) 1.5 (2)		1.0 (1)	

Mpumalanga

Grootvlei, Grootvlei Dierekliniek

Beef: 1

Lydenburg, Longtom Dierekliniek

Beef: 2 North West

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 2, Sheep: 2
Free State

Senekal, Senekal Dierekliniek

Sheep: 1

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 2

Winburg, Winburg Dierekliniek

Beef: 3									
Kwazulu-Na	ıtal								
Bergville, Be Beef: 2	ergville Veteri	nary Clini	С						
	n, Camperdov	vn Vet Cli	nic						
Beef: 1	ii, camperaer								
Eastern Cap	e								
	et, Graaff Reir	net Veteri	nary Clinic	3					
Sheep: 1									
Lamenes	s/Foot Prob	lems							_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.2 (6)	2.4 (7)		3.0 (2)	2.7 (20)	1.8 (12)		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 (4)	2.5 (2)		3.0 (1)	2.7 (9)	1.9 (8)			
Dairy					2.7 (3)	3.0 (1)		2.0 (3)	
Sheep	2.5 (2)	2.3 (3)		3.0 (1)	2.6 (8)	1.0 (1)			
Goat		2.5 (2)				1.5 (2)			
Mpumalang	a		·			-			
	four Diereklin	iek							
Beef: 2									
	rootvlei Diere	kliniek							
Beef: 2									
	Longtom Dier	ekliniek							
Beef: 2, Shee		:4-1							
Beef: 2	Pets Vet Hosp	ıtaı							
	Cape Cross Vol	kernet Die	rehoenita	al					
Sheep: 3	ape Ci USS VUII	nai uat Dit	. enospita	aı					
Foot rot									
Gauteng									
_	raal, Themba A	Animal Cli	nic						
Beef: 3, Shee	p: 2, Goat: 3								
Pretoria, An	ima Veterinar	y Consult	ing Rooms	5					
Beef: 2, Shee	•								
	iderstepoort A	cademic	Hospital a	nd Prod	uction A	Animal Clinic	3		
Sheep: 3									
Fifteen cases									
Goat: 2									
Two cases North West									
TOPUI West									

Christiana, Christiana Dierehospitaal

Beef: 3, Sheep: 3

Free State Bloemfontein, Dr Stephan Wessels Beef: 3, Sheep: 3 **Bultfontein, Greylingsrust Dierespreekkamer** Beef: 3 Clocolan, Clocolan Dierekliniek Beef: 2, Dairy: 3, Sheep: 3 Frankfort, Frankfort Dierekliniek Sheep: 3 Kroonstad, Kroonstad Dierehospitaal Beef: 3, Dairy: 3, Sheep: 3 **Memel, Memel Veterinary Clinic** Sheep: 3 Parys, Parys Dierehospitaal Beef: 3 Reitz, Riemland Dierehospitaal Beef: 2, Dairy: 2, Sheep: 2 Senekal, Senekal Dierekliniek Viljoenskroon, Viljoenskroon Dierekliniek Beef: 3 Villiers, Wilgepoort Dierekliniek Vennootskap Sheep: 2 Wesselsbron, Wesselsbron Dierekliniek Sheep: 2 Winburg, Winburg Dierekliniek Beef: 3 Kwazulu-Natal **Bergville, Bergville Veterinary Clinic** Beef: 3 Bergville, Tugela Vet Clinic Beef: 1, Goat: 1 Camperdown, Camperdown Vet Clinic Beef: 1 Locking stifle joint **Dundee, Endumeni Herd health** Sheep: 1 **Howick, Howick Veterinary Clinic** Beef: 2, Dairy: 3 **Mooi River, Mooirivier Vet Clinic** Beef: 1 Mtubatuba, Mtubatuba Animal Clinic Goat: 2 **Ticks Newcastle, Ncanduvet Newcastle** Pietermaritzburg, Veterinary House Hospital Beef: 3 **Underberg, Underberg Veterinary Surgery** Beef: 3 **Western Cape Darling, Tygerberg Dierehospitaal Darling** George, George Animal Hospital

Dairy: 2

Malmesbury Dairy: 2	y, Invitrotech										
Lung infe	ection								^		
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Average	1.8 (5)	2.0 (2)		2.4 (5)	2.4 (16)	2.1 (8)	1.3 (3)	1.5 (2)	1.0 (1)		
Level of imported	ortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than t	en and 3 =	more than 1	LO cases		
Beef 1.7 (3) 2.3 (3) 2.3 (7) 2.2 (6) 1.5											
Dairy					1.5 (2)			1.5 (2)			
Sheep	2.0 (2)	2.0 (2)		2.5 (2)	2.9 (7)	2.0 (1)			1.0 (1)		
Goat						2.0 (1)	1.3 (3)				
Beef: 2, Shee Grootvlei, G Beef: 1 Lydenburg, Beef: 2, Shee Gauteng Bapsfonteir Sheep: 2 Pretoria, An Sheep: 2 North West Brits, Brits I Beef: 3 Christiana, G Sheep: 3	Longtom Diere Longtom Diere Lop: 2 I, Bapsfontein Lima Veterinar Dierekliniek Christiana Die Stad, Leeudori	kliniek ekliniek Dierehosj y Consult rehospita	ing Rooms								
	Reneke, Buffe	ldoorn Die	rekliniek	SR							
Beef: 2 Free State											
	in, Dr Stephan	Wessels									
Beef: 3, Shee	:p: 3										
	Greylingsrust	Dierespr	eekkamer								
Sheep: 3	ocolan Dierek	liniek									
Beef: 2, Dairy	/: 1, Sheep: 3										
Frankfort, F	rankfort Diere	Kliniek									

Beef: 2, Shee	ep: 3								
	Hoopstad Diere	ekliniek							
Beef: 3, Shee									
	Kroonstad Die	rehosnita	al						
Dairy: 2	iti oonstaa Dic	Споэрга	u.						
	on, Viljoenskr	oon Dierel	kliniek						
Beef: 3, Shee		Joil Dielei	KIIIIEK						
	le Dierehospita	ıaı							
Beef: 2, Shee		n Diavaldi							
	n, Wesselsbro	л ріегекііі	піек						
Beef: 1									
Kwazulu-Na			_						
	ergville Veteri	nary Clinic	E						
Beef: 2		• -							
	ugela Vet Clini	IC							
	ep: 2, Goat: 2	117							
	dumeni Herd l	nealth							
Beef: 2									
	wick Veterina	ry Clinic							
Beef: 2									
	Mooirivier Vet	Clinic							
Beef: 2									
	Underberg Ve	terinary S	urgery						
Beef: 3									
Eastern Cap									
	et, Camdeboo	Veterinar	y Clinic						
Goat: 2									
Graaff-Rein	et, Graaff Rei	net Veterir	nary Clinic						
Goat: 1									
Uitenhage,	Uitenhage Die	rehospita	al						
Goat: 1									
Western Ca	ре								
Caledon, Ca	ledon Dierekli	niek							
Dairy: 1									
Malmesbury	y, Dr Otto Krie	k							
Dairy: 2									
Northern Ca	аре								
Upington, U	Ipington Veea i	rtsenyklin	iek						
Sheep: 1									
Pasteurella p	neumonia in we	aner lambs	in one feed	llot					
Mastitis i	n general								_
						17 - 1			
PROVINCE	Mnumalanga	Gauteng	Limnono	North	Free	Kwazulu-	Eastern	Western	Northern
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	State	Natal	Cape	Western Cape	Northern Cape
PROVINCE	Mpumalanga	Gauteng	Limpopo						
		Gauteng		West	State	Natal		Cape	
PROVINCE Average	Mpumalanga	Gauteng	Limpopo 1.0 (1)	West	State 2.2				
		Gauteng		West	State	Natal		Cape	
Average	1.3 (3)		1.0 (1)	West 2.3 (3)	2.2 (6)	Natal 1.9 (8)	Cape	2.4 (5)	Саре
Average Level of impo			1.0 (1)	West 2.3 (3)	2.2 (6)	Natal 1.9 (8)	Cape	2.4 (5)	Саре
Average	1.3 (3)		1.0 (1)	West 2.3 (3)	2.2 (6)	Natal 1.9 (8)	Cape	2.4 (5)	Саре
Average Level of imporeported	1.3 (3) ortance scale: 1		1.0 (1) e, 2 = more	West 2.3 (3) than one	2.2 (6) e case b	Natal 1.9 (8) ut less than to	Cape	2.4 (5)	Саре
Average Level of impo	1.3 (3)		1.0 (1)	West 2.3 (3) than one	2.2 (6) e case b	Natal 1.9 (8)	Cape	2.4 (5)	Саре

Dairy	1.0 (1)			2.0 (1)	2.5 (2)	2.4 (5)	
Sheep			3.0 (1)	2.0 (1)			
Goat			1.0(1)		1.0(1)		
Mpumalang	ia			<u> </u>	"		
	lfour Diereklin	iek					
Beef: 2							
Lydenburg,	, Longtom Dier	ekliniek					
Dairy: 1							
Lydenburg,	, Lydenburg Di	erespreekkamer					
Beef: 1							
Limpopo							
Mokopane,	Bundu Veterir	nary Services					
Beef: 1							
North West	t						
	Christiana Die	rehospitaal					
Beef: 3, She	ep: 3						
Klerksdorp	, Klerksdorp Di	ierehospitaal					
Goat: 1							
Free State							
	ein, Dr Stephar	n Wessels					
Beef: 3							
Clocolan, C	locolan Dierek	liniek					
Sheep: 2							
	Kroonstad Die	erehospitaal					
Dairy: 2							
	s Dierehospita	al					
Beef: 3							
	enekal Dierekli	niek					
Beef: 1							
	Vinburg Dierek	liniek					
Beef: 2							
Kwazulu-N							
	Bergville Veteri	nary Clinic					
Beef: 2		•					
	Tugela Vet Clin	ic					
Beef: 1	. 6						
	wn, Camperdov	wn vet Clinic					
Goat: 1		! -					
	ndumeni Herd I	neartn					
Dairy: 2	iak Vatarina	m. Climia					
	wick Veterina	ry Clinic					
Dairy: 3	Maairiyiar Va	t Clinia					
Beef: 2	, Mooirivier Ve	Clinic					
	ongola Animal	Clinic					
Beef: 1	ongola Animal	Cillic					
	Underberg Vo	terinary Surgery	•				
Beef: 3	, onderberg ve	cermary Surgery					
Western Ca	ne						
	ape aledon Dierekl	iniek					
Dairy: 3	aledon Dieleki	IIIICR					
	orge Animal H	osnital					
George, de	orge Ammai H	ospitai					

	, Dr Otto Krie								
Dairy: 1	, Invitrotech								
Maiinesbury Dairy: 2	, invitiotech								
	onformation cull	ed 6 cows:	mastitis cu	lled 3 co	ws: culle	ed one cow w	ith E. coli m	astitis	
	, Swellendam				,				
Dairy: 3									
Navel Ill									4
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)				1.3 (3)			1.0 (1)	
Level of impo 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)				1.5 (2)			_	
Dairy								1.0(1)	
Sheep					1.0 (1)				
Mpumalang	a								
	Longtom Dier	ekliniek							
Beef: 1									
Free State	n, Wesselsbro	n Dierekli	niek						
Beef: 1, Shee		ii Diciekii	ilick						
	inburg Dierek	liniek							
Beef: 2	_								
Western Ca									
	h, Stellenbosc	h Animal	Hoenital						
Jaimu 1			iiospitai						
Dairy: 1			поэрісаі						
			поэрісаі						_
Trauma	Mpumalanga			North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Trauma	Mpumalanga	Gauteng							
Trauma PROVINCE Average		Gauteng 1.7 (3)	Limpopo 2.0 (1)	West	1.0 (1)	Natal	Cape	2.0 (2)	1.0 (1)
PROVINCE Average Level of impore properties	2.0 (2)	Gauteng 1.7 (3)	Limpopo 2.0 (1)	West	1.0 (1)	Natal	Cape	2.0 (2)	1.0 (1) 10 cases
Trauma PROVINCE Average Level of impo	2.0 (2) ortance scale: 1	Gauteng 1.7 (3) = one case	Limpopo 2.0 (1) e, 2 = more	West	1.0 (1) e case b	Natal	Cape	2.0 (2)	1.0 (1)

Goat 2.0 (1)
Mpumalanga

Lydenburg, Longtom Dierekliniek

Beef: 2, Sheep: 2

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 2, Goat: 2

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1 Laceration

Mokopane, Bundu Veterinary Services

Beef: 2 Free State

Bultfontein, Greylingsrust Dierespreekkamer

Beef: 1

Western Cape

Malmesbury, Invitrotech

Dairy: 2

Nine cows culled (slipped, trauma)

Worcester, Durban Straat Dierekliniek Worcester

Sheep: 2

Northern Cape

Kimberley, Kimberley Dierekliniek

Beef: 1

Bruising, seen at abattoir

Downer									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average		2.0 (1)			2.0 (4)	2.0 (1)		2.0 (2)	3.0 (1)

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

Beef	2.0 (1)	2.0 (3)		1.0 (1)	3.0 (1)
Dairy		2.0 (1)	2.0 (1)	3.0 (1)	

Gauteng

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 2

Four cases (PEM), protein, energy malnutrition

Free State

Bultfontein, Greylingsrust Dierespreekkamer

Beef: 1

Clocolan, Clocolan Dierekliniek

Beef: 3, Dairy: 2

Ladybrand, Ladybrand Dierekliniek

Beef: 2

Kwazulu-Natal

Howick, Hov	wick Veterinar	v Clinic							
Dairy: 2		,							
Western Ca	pe								
	erberg Veterii	narv Hosp	ital						
Beef: 1		ш, поор							
	, Invitrotech								
Dairy: 3	, 11111110100011								
ourteen cow	s culled								
Northern Ca									
	g, Postmasbu	ra Dierekl	iniek						
Beef: 3	g, 1 00 amao b a	. 9 <i>-</i> 10.0.							
Other									4
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	3.0 (1)	1.0 (1)		2.0 (1)				3.0 (1)	1.0 (1)
Level of impo 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	3.0 (1)	1.0(1)							1.0(1)
Dairy								3.0 (1)	
Sheep				2.0(1)					
Mpumalang:	a								
Volksrust, C	ape Cross Vol	ksrust Die	rehospita	al					
Beef: 3			-						
our months	old calves with	clostridial d	iarrhoea - 1	0 died, d	ows we	re not vaccina	ated		
Gauteng									
Pretoria, On	derstepoort A	cademic I	Hospital a	nd Prod	uction A	Animal Clinic	C		
Beef: 1	<u> </u>		-						
Colic									
North West									
eeudorings.	tad, Leeudori	ngstad Di	erekliniek						
Sheep: 2	•								
•	ses in feedlot								
Western Ca									
	, Invitrotech								
Dairy: 3	,								
	production figure	es culled 12	25 cows: 2 o	cows died	d with a	ddhesions: on	e cow died	with peritor	nitis
Northern Ca							a.ca	pericor	
	Kimberley Die	rekliniek							
Beef: 1									
cterus, seen	at abattoir								
	ar syndrom	e (Middl	e ear inf	ection)				2
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western 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

D = -£	1.0 (1)								
Beef	1.0 (1)								
Mpumalang									
Lydenburg, Beef: 1	Longtom Dier	ekliniek							
веет: 1									
Wet carca	ases Yellow	cascses	at abat	toir					^
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 1	10 cases
Beef									1.0(1)
Northern Ca	ipe								
	Kimberley Die	rekliniek							
Beef: 1									
Metaboli	ic Diseases	•							
Acidosis									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)				2.0 (4)	1.3 (3)		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 1	10 cases
Beef	1.0 (1)				2.0 (2)	1.0 (1)		1.0 (1)	
Dairy						1.0(1)			
Sheep					2.0 (2)			2.0 (1)	
Goat						2.0 (1)			
Mpumalang	a								
Lydenburg,	Longtom Dier	ekliniek							
Beef: 1									
Free State									
	Oosvrystaat Di	ere Produ	kte						
Beef: 2, Shee	p: 2 inburg Dierek	liniek							
Beef: 2, Shee		IIIIIEK							
Kwazulu-Na	•								
	n, Camperdov	vn Vet Cli	nic						
Beef: 1, Goat			-						

Dundee En	dumeni Herd h	nealth							
Danace, Em Dairy: 1	admem nera i	icaitii							
Western Ca	20								
	rerberg Veterii	nary Hoen	ital						
	erberg vetern	нагу поѕр	ılaı						
Sheep: 2	Day Diattonh	ora Dov A	Doit-						
Piettenberg Beef: 1	Bay, Plettenb	ery bay A	Keitz						
			م مامیاریامی م			h Canaumad	+ mah .		
cow on oats	pasture and mai	ize meai. u	naeriying p	горіеті р	oor teet	n. Consumed	too much i	maize meai	
Displaced	l abomasun	n							
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)				1.0 (1)	2.7 (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	10 cases
Beef	1.0(1)								
Dairy					1.0 (1)	2.7 (3)		1.0(1)	
Mpumalang	a								
	Longtom Dier	ekliniek							
Beef: 1									
Free State									
	n, Wesselsbro	n Dierekli	niek						
Dairy: 1	11, 11 033013010	ii Dicickii	III.C.K						
Kwazulu-Na	ıtal								
	dumeni Herd h	nealth							
Dairy: 3	uumem neru r	icaitii							
	wick Veterina	ar Clinic							
Dairy: 3	wick veterina	y Cillic							
	Underberg Ve	torinary S	urgory						
Dairy: 2	onderberg ve	termary S	urgery						
Western Ca									
	Bay, Plettenb	ove Dov A	Doit-						
Dairy: 1	bay, Piettelib	ery bay A	Reitz						
Daily. 1 Died									
Ketosis									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.0 (1)	2.0 (1)		1.5 (2)	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
Dairy						2.0 (1)			

Sheep					2.0 (1)			1.5 (2)	3.0 (1)
Free State	ll .					<u>.</u>			
Winburg, W	inburg Dierek	liniek							
Sheep: 2									
Kwazulu-Na	ital								
Dundee, En	dumeni Herd h	nealth							
Dairy: 2									
Western Ca	ре								
Caledon, Ov	erberg Veterii	nary Hosp	ital						
Sheep: 2									
Stellenbosc	h, Stellenbosc	h Animal	Hospital						
Sheep: 1									
Northern Ca	ре								
Colesberg, I	Karoo Veterina	ry Hospit	al						
Sheep: 3									
Ketosis in hea	avy pregnant ew	res							,
Milk Feve	er								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.0 (1)	2.0 (3)		1.0 (1)	1.3 (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)
Deei									1.0 (1)
Dairy					2.0 (1)	2.0 (3)			1.5 (2)
Sheep								1.0(1)	
Free State								110 (1)	
	nel Veterinary	Clinic							
Dairy: 2	ner vetermary	Cillic							
Kwazulu-Na	ntal								
	dumeni Herd l	nealth							
Dairy: 2	aamem nera i	icui (ii							
	tcourt Vet Clir	nic							
Dairy: 1									
	wick Veterinar	v Clinic							
Dairy: 3									
Western Ca	pe								
	Durban Straat	Diereklin	iek Worce	ster					
Sheep: 1									
Northern Ca	ре								
	Karoo Veterina	ry Hospit	al						
Dairy: 2									
A few cases in									
	Kimberley Die	rekliniek							
Beef: 1									
Postmasbur	rg, Postmasbu	rg Dierek	liniek						

Dairy: 1												
Reprodu	ctive disea	ises										
Dystocia (Difficult Births)												
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape			
Average 2.0 (4) 1.6 (5) 3.0 (1) 2.2 (5) 1.9 (18) 1.8 (11) 1.0 (1) 1.9 (7)												
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 c reported												
Beef	2.0 (4)	1.7 (3)	3.0 (1)	2.2 (5)	2.0 (15)	1.8 (9)	1.0 (1)	1.5 (4)	1.7 (3)			
Dairy					1.0 (2)	2.0 (2)		2.3 (3)				
Sheep		1.5 (2)			3.0 (1)				2.0 (1)			
Beef: 1 Grootvlei, G Beef: 2 Volksrust, C Beef: 3 Gauteng Bapsfontein Beef: 2, Shee Bronkhorsts Beef: 1 Pretoria, An Sheep: 1 Pretoria, On Beef: 2 Limpopo Mokopane, Beef: 3 North West Christiana, G Beef: 3 Klerksdorp, Beef: 2 Leeudorings Beef: 2 Schweizer-F Beef: 1	nal Diereklinie rootvlei Dierek ape Cross Voll a, Bapsfontein p: 2 spruit, Kerkstra ima Veterinar derstepoort A Bundu Veterin Christiana Die Klerksdorp Di stad, Leeudori Reneke, Buffel	kliniek ksrust Die Dierehosp aat Dierel y Consult cademic l ary Servic rehospita erehospita doorn Die	oitaal kliniek ing Rooms Hospital a	nd Produ	uction A	Animal Clinic						

Bloemfontein, Dr Stephan Wessels Beef: 2 Clocolan, Clocolan Dierekliniek Ficksburg, Oosvrystaat Diere Produkte Beef: 2, Dairy: 1 Frankfort, Frankfort Dierekliniek Beef: 3 Hertzogville, Hertzogville Dierekliniek Beef: 2 **Hoopstad, Hoopstad Dierekliniek** Beef: 3, Sheep: 3 **Kroonstad, Kroonstad Dierehospitaal Memel, Memel Veterinary Clinic** Beef: 1 Parys, Parys Dierehospitaal Beef: 2 Reitz, Riemland Dierehospitaal Beef: 2 Senekal, Senekal Dierekliniek Beef: 2, Dairy: 1 Viljoenskroon, Viljoenskroon Dierekliniek Vrede, Vrede Dierehospitaal Beef: 1 Wesselsbron, Wesselsbron Dierekliniek Beef: 1 Winburg, Winburg Dierekliniek Beef: 3 Kwazulu-Natal **Bergville, Bergville Veterinary Clinic** Beef: 2 **Dundee, Endumeni Herd health** Beef: 1, Dairy: 1 **Howick, Howick Veterinary Clinic** Beef: 1, Dairy: 3 **Mooi River, Mooirivier Vet Clinic** Beef: 2 **Newcastle, Ncanduvet Newcastle** Beef: 3 Pietermaritzburg, Veterinary House Hospital Beef: 2 Pongola, Pongola Animal Clinic Beef: 1 **Underberg, Underberg Veterinary Surgery Vryheid, Vryheid Privaat Veeartse** Beef: 1 **Eastern Cape Humansdorp, Humansdorp Veterinary Clinic** Beef: 1 **Western Cape** Caledon, Caledon Dierekliniek

Dairy: 2

	verberg Veterii	nary Hosp	ital						
Dairy: 2									
	s Veterinary H	ospital							
Beef: 2									
	gerberg Diereh	ospitaal [Darling						
Beef: 1									
	y, Groenkloof I	Diereklini	ek						
Beef: 2									
	h, Stellenbosc	h Animal	Hospital						
Beef: 1									
	n, Swellendam	Dierehos	pitaal						
Dairy: 3									
Northern Ca									
	Kimberley Die	rekliniek							
Beef: 1									
	rg, Postmasbu	rg Dierekl	liniek						
Beef: 2									
	Ipington Veear	rtsenyklin	iek						
Beef: 2									
A few distoci	as in cows								
Sheep: 2									
A few distoci	as in sheep ewe	S							
Endomet	ritis								_
				North	Free	Kwazulu-	Eastern	Western	Northern
PROVINCE	Mpumalanga	Gauteng	Limpopo	West	State	Natal	Cape	Cape	Cape
Average					1.0 (1)	2.0 (1)		3.0 (1)	
Level of impereported	ortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than t	en and 3 =	more than :	LO cases
Doine					1.0	2.0 (1)		2.0 (1)	
Dairy					(1)	2.0 (1)		3.0 (1)	
Free State									
Clocolan, Cl	locolan Dierek	liniek							
Dairy: 1									
Kwazulu-Na	atal								
Howick, Ho	wick Veterina	y Clinic							
Dairy: 2									
Western Ca									
Caledon, Ca	iledon Dierekli	niek							
Dairy: 3									
Metritis									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
					1.5				

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

Beef	3.0 (1)		2.5 (2)	3.0 (1)	
Dairy		1.5 (2)		2.3 (3)	
Sheep	1.0(1)				

Gauteng

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 1
North West

Christiana, Christiana Dierehospitaal

Beef: 3
Free State

Clocolan, Clocolan Dierekliniek

Dairy: 1

Senekal, Senekal Dierekliniek

Dairy: 2

Kwazulu-Natal

Mooi River, Mooirivier Vet Clinic

Beef: 2

Underberg, Underberg Veterinary Surgery

Beef: 3

Western Cape

Caledon, Caledon Dierekliniek

Dairy: 3

Darling, Tygerberg Dierehospitaal Darling

Beef: 3

Malmesbury, Dr Otto Kriek

Dairy: 1

Swellendam, Swellendam Dierehospitaal

Dairy: 3

Poor con	ception								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average			1.0 (1)		1.5 (2)	2.3 (3)		2.6 (5)	

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)	1.0 (1)		
Dairy			3.0 (2)	2.6 (5)	
Sheep		1.0 (1)			

Limpopo

Mokopane, Bundu Veterinary Services

Beef: 1

Infertility in a bull

Free State									
Villiers, Wil	gepoort Dierel	kliniek Ve	nnootskap)					
Sheep: 1	-		•						
Winburg, W	inburg Dierek	liniek							
Beef: 2									
Kwazulu-Na	atal								
Howick, Ho	wick Veterinar	y Clinic							
Dairy: 3									
Mooi River,	Mooirivier Vet	Clinic							
Beef: 1									
Underberg,	Underberg Ve	terinary S	Surgery						
Dairy: 3									
Poor concept	ion - early foetu	s deaths o	n scanning ·	- unchara	acteristic	hot weather	and nutriti	onal stress	
Western Ca	-								
	iledon Dierekli	niek							
Dairy: 3									
	y, Dr Otto Krie	k							
Dairy: 2									
	els, needed to b			e sense	of urgen	cy by nutritio	nists and fa	armers	
	y, Groenkloof I	Diereklini	ek						
Dairy: 2									
Good and po									
	y, Invitrotech								
Dairy: 3									
	ction, culled 11								
	n, Swellendam	Dierehos	pitaal						
Dairy: 3									
Cystic ovaries	S								
Retained	afterbirth								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.0 (1)	2.0 (6)		1.3 (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					2.0 (1)	1.8 (4)		1.0 (1)	
Dairy						2.5 (2)		1.5 (2)	
Free State									
Winburg, W	inburg Dierek	liniek							
Beef: 2									
Kwazulu-Na	atal								
	ergville Veteri	narv Clini	C						
Beef: 2	J 3 3.3.1	, , , , , , , , , , , , , , , , , , , ,							
	dumeni Herd h	nealth							
Dairy: 2									
	wick Veterina	y Clinic							
Dairy: 3									

Mooi River, Mooirivier Vet Clinic

D 6.4									
Beef: 1	-burg Votorin	smr Hause	Lacuital						
Beef: 1	zburg, Veterin	ary nouse	поѕрітаі						
· · ·	Undarbara Va	torinary C							
Beef: 3	Underberg Ve	termary S	urgery						
Western Ca	no								
	pe ledon Dierekli	niok							
	ledon Dierekii	шек							
Dairy: 2	, Dr Otto Krie	L _z							
Dairy: 1	, Di Otto Kile	<u> </u>							
	h, Stellenbosc	h Animal	Hosnital						
Beef: 1	ii, Stellelibose	ii Aiiiiiidi	поэрпсан						
Deer. 1									
Sheath P	rolaps								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)				1.7 (3)	1.0 (3)		1.0 (1)	
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 1	.0 cases
Beef	1.0 (1)				1.7 (3)	1.0 (3)		1.0 (1)	
Mpumalang									
	nal Diereklinie	k							
Beef: 1									
Free State									
	loopstad Diere	ekliniek							
Beef: 2			•						
	Kroonstad Die	rehospita	al						
Beef: 1									
	land Dierehos _l	pitaal							
Beef: 2 Kwazulu-Na									
		manı Climi	_						
Beef: 1	ergville Veteri	nary Ciini	C						
	Mtubatuba Ar	simal Clin	ic						
Beef: 1	Mitubatuba Ai	IIIIIai Ciiii	IC .						
	ngola Animal	Clinic							
Beef: 1	iligola Allilliai	Cillic							
Western Ca	ne								
	h, Stellenbosc	h Animal	Hospital						
Beef: 1	.,								
Uterus pr	olaps								^
	•			Nouth	Fuee	Va=l	Factous	Western	
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)			1.0 (1)	1.8 (5)	1.5 (2)		1.0 (2)	1.5 (2)

Level of im reported	nportance scale: 1 = one ca	ase, 2 = more than one case bu	it less than ten a	nd 3 = more than 1	0 cases
Торогсов		1.0			
Beef	1.0 (1)	1.0 (1) 1.8 (5)		1.0 (1)	1.5 (2)
Dairy			1.5 (2)	1.0(1)	
Mpumalar	nga				
Lydenburg	g, Longtom Dierekliniek	•			
Beef: 1					
North We	st				
Schweizer	r-Reneke, Buffeldoorn [Dierekliniek SR			
Beef: 1					
Free State	•				
Ficksburg	, Oosvrystaat Diere Pro	dukte			
Beef: 1					
Frankfort,	, Frankfort Dierekliniek				
Beef: 2					
Hoopstad	, Hoopstad Dierekliniek				
Beef: 2					
Reitz, Rie	mland Dierehospitaal				
Beef: 2					
Winburg,	Winburg Dierekliniek				
Beef: 2					
Kwazulu-l	Natal				
Estcourt,	Estcourt Vet Clinic				
Dairy: 1					
	lowick Veterinary Clinic				
Dairy: 2					
Western C	Cape				
Malmesbu	ıry, Invitrotech				
Dairy: 1					
Stellenbo	sch, Stellenbosch Anima	al Hospital			
Beef: 1					
Northern	Cape				
Kimberley	, Kimberley Diereklinie	k			
Beef: 1					
Postmasb	urg, Postmasburg Diere	ekliniek			
Beef: 2					

Vaginal (Cervical) prolaps								^	
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (3)	2.0 (1)		1.0 (1)	1.7 (7)	1.3 (6)		2.0 (3)	
Level of impore	ortance scale: 1	= one case	•				en and 3 =	more than 1	l0 cases
Beef	1.0 (2)	2.0 (1)		1.0 (1)	1.6 (5)	1.4 (5)		1.5 (2)	
Dairy						1.0 (1)		3.0 (1)	

2.0 Sheep 1.0(1)(2)**Mpumalanga** Grootvlei, Grootvlei Dierekliniek Beef: 1, Sheep: 1 **Volksrust, Cape Cross Volksrust Dierehospitaal** Beef: 1 Gauteng Hammanskraal, Themba Animal Clinic Beef: 2 **North West Brits, Brits Dierekliniek** Beef: 1 **Free State Bultfontein, Greylingsrust Dierespreekkamer** Clocolan, Clocolan Dierekliniek Beef: 1 Frankfort, Frankfort Dierekliniek Beef: 2 Ladybrand, Ladybrand Dierekliniek Beef: 1 **Memel, Memel Veterinary Clinic** Sheep: 2 Reitz, Riemland Dierehospitaal Beef: 2 Winburg, Winburg Dierekliniek Beef: 2 **Kwazulu-Natal** Bergville, Bergville Veterinary Clinic Camperdown, Camperdown Vet Clinic Beef: 1, Dairy: 1 **Howick, Howick Veterinary Clinic** Beef: 2 Mtubatuba, Mtubatuba Animal Clinic Pietermaritzburg, Veterinary House Hospital Beef: 1 **Western Cape** Caledon, Caledon Dierekliniek Beef: 1 **Caledon, Overberg Veterinary Hospital** Swellendam, Swellendam Dierehospitaal Dairy: 3 **Climatical Cause Cold exposure** Northern North Free Kwazulu-Eastern Western **PROVINCE Mpumalanga Gauteng Limpopo** West State Natal Cape Cape Cape

									_
Average						1.0 (2)		3.0 (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
Sheep						1.0(1)		3.0 (2)	
Goat						1.0 (1)			
Sheep: 1, Go Western Ca Caledon, Ca Sheep: 3 Caledon, Ov	ongola Animal at: 1	niek	ital						
Sheep: 3 Drought									^
	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average							2.4 (10)	2.0 (1)	3.0 (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							2.3 (3)		3.0 (1)
Dairy							3.0 (1)		
Sheep							2.3 (3)	2.0(1)	3.0 (1)
Goat							2.3 (3)		3.0 (1)
Beef: 3, Shee Steynsburg, Beef: 3, Dairy Witelsbos, N Beef: 1, Shee Western Ca Vredenburg Sheep: 2 Dry and wind	adock Veterin pp: 3, Goat: 3 , Steynsburg E y: 3, Sheep: 3, (Witelsbos Vete pp: 1, Goat: 1 pe y, Vredenburg y, South Easterl	Dierehosp Goat: 3 Prinary Co Dierehosp	nsulting R	cooms					
	a pe r g, Postmasbu ep: 3, Goat: 3	rg Dierek	liniek						
Heat stre	ess								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average						2.8 (4)	3.0 (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	2.7 (3)	3.0 (1)		
Dairy	3.0 (1)		1.0(1)	
Sheep			2.0(1)	

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 3

Howick, Howick Veterinary Clinic

Beef: 2, Dairy: 3

Underberg, Underberg Veterinary Surgery

Beef: 3 **Eastern Cape**

Alexandria, Alexandria Platteland Spreekkamer

Beef: 3

Western Cape

Caledon, Overberg Veterinary Hospital

Sheep: 2

Stellenbosch, Stellenbosch Animal Hospital

Dairy: 1

Lightnir	ıg								^
PROVINC	E Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.8 (4)			2.0 (1)	2.0 (10)	2.5 (4)		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	1.8 (4)	2.0 (1)	2.0 (9)	2.5 (4)		
Sheep			2.0 (1)		2.0 (1)	

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Lydenburg, Longtom Dierekliniek

Beef: 2

Piet Retief, Pets Vet Hospital

Beef: 2

Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 2

North West

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 2

Free State

Bloemfontein, Dr Stephan Wessels Beef: 2

Clocolan, Clocolan Dierekliniek

Beef: 2									
	rankfort Diere	ekliniek							
Beef: 2									
	loopstad Dier	ekliniek							
Beef: 3									
	Ladybrand Die	erekliniek							
Sheep: 2									
	nel Veterinary	Clinic							
Beef: 2									
	land Dierehos	pitaal							
Beef: 2									
	gepoort Dierel	kliniek Ve	nnootskap)					
Beef: 2									
	n, Wesselsbro	n Dierekli	niek						
Beef: 1									
	inburg Dierek	liniek							
Beef: 2									
Kwazulu-Na		C'' '							
	ergville Veteri	nary Clini	С						
Beef: 2	d	14/-							
	dumeni Herd I	nearth							
Beef: 2	Maainindan Ve	L Clinia							
Mooi River, Beef: 3	Mooirivier Ve	CIINIC							
	Nassaluurat Na								
Beef: 3	Ncanduvet Ne	wcastie							
Western Ca									
western ca	De								
		Dioroklinia	ale						
Beaufort W	est, Beaufort I	Diereklinie	ek						
		Diereklinie	ek						
Beaufort W	est, Beaufort I	Diereklinie	ek						_
Beaufort Wo Sheep: 2	est, Beaufort I	Diereklinie	ek						^
Beaufort Wo Sheep: 2 Frozen to	est, Beaufort I			North	Free	Kwazulu-	Eastern	Western	^ Northern
Beaufort Wo Sheep: 2 Frozen to	est, Beaufort I			North West	Free State		Eastern Cape	Western Cape	^ Northern Cape
Beaufort Wo Sheep: 2 Frozen to	est, Beaufort I								
Beaufort Wo Sheep: 2 Frozen to	est, Beaufort I							Саре	
Beaufort Wo Sheep: 2 Frozen to PROVINCE	est, Beaufort I								
Beaufort Wo Sheep: 2 Frozen to PROVINCE	est, Beaufort I	Gauteng	Limpopo	West	State	Natal	Cape	Cape 3.0 (1)	Cape
Beaufort Wo Sheep: 2 Frozen to PROVINCE	death Mpumalanga	Gauteng	Limpopo	West	State	Natal	Cape	Cape 3.0 (1)	Cape
PROVINCE Average Level of imporeported	death Mpumalanga	Gauteng	Limpopo	West	State	Natal	Cape	3.0 (1) more than	Cape
Beaufort Wo Sheep: 2 Frozen to PROVINCE Average Level of imporeported Sheep	death Mpumalanga ortance scale: 1	Gauteng	Limpopo	West	State	Natal	Cape	Cape 3.0 (1)	Cape
Beaufort Wo Sheep: 2 Frozen to PROVINCE Average Level of imporeported Sheep Western Ca	death Mpumalanga ortance scale: 1	Gauteng = one case	Limpopo e, 2 = more	West	State	Natal	Cape	3.0 (1) more than	Cape
PROVINCE Average Level of imporeported Sheep Western Ca Caledon, Ov	death Mpumalanga ortance scale: 1	Gauteng = one case	Limpopo e, 2 = more	West	State	Natal	Cape	3.0 (1) more than	Cape
Beaufort Wo Sheep: 2 Frozen to PROVINCE Average Level of imporeported Sheep Western Ca	death Mpumalanga ortance scale: 1	Gauteng = one case	Limpopo e, 2 = more	West	State	Natal	Cape	3.0 (1) more than	Cape
PROVINCE Average Level of imporeported Sheep Western Ca Caledon, Ov Sheep: 3	death Mpumalanga ortance scale: 1 pe verberg Veteri	Gauteng = one case	Limpopo e, 2 = more	West	State	Natal	Cape	3.0 (1) more than	Cape
PROVINCE Average Level of imporeported Sheep Western Ca Caledon, Ov Sheep: 3	death Mpumalanga ortance scale: 1	Gauteng = one case	Limpopo e, 2 = more	West	State	Natal	Cape	3.0 (1) more than	Cape
PROVINCE Average Level of imporeported Sheep Western Ca Caledon, Ov Sheep: 3	death Mpumalanga ortance scale: 1 pe verberg Veterio	Gauteng = one case nary Hosp	Limpopo e, 2 = more	West	State	Natal	Cape	3.0 (1) more than	Cape
PROVINCE Average Level of imporeported Sheep Western Ca Caledon, Ov Sheep: 3	death Mpumalanga ortance scale: 1 pe verberg Veteri	Gauteng = one case nary Hosp	Limpopo e, 2 = more	West	State	Natal	Cape	3.0 (1) more than	Cape
PROVINCE Average Level of imporeported Sheep Western Ca Caledon, Ov Sheep: 3	death Mpumalanga ortance scale: 1 pe verberg Veterio	Gauteng = one case nary Hosp	Limpopo e, 2 = more	west than on	State e case b	Natal ut less than t	Cape en and 3 =	3.0 (1) more than 3.0 (1)	Cape 10 cases
Beaufort Wo Sheep: 2 Frozen to PROVINCE Average Level of imporeported Sheep Western Ca Caledon, Ou Sheep: 3 Non Spe Cause of	death Mpumalanga ortance scale: 1 pe verberg Veterio	Gauteng = one case nary Hosp ses	Limpopo e, 2 = more	west than on	e case b	Natal ut less than t	Cape en and 3 =	3.0 (1) more than 3.0 (1) Western	Cape 10 cases A Northern
Beaufort Wo Sheep: 2 Frozen to PROVINCE Average Level of imporeported Sheep Western Ca Caledon, Ou Sheep: 3 Non Spe Cause of	death Mpumalanga ortance scale: 1 pe verberg Veterior cific disease death not e	Gauteng = one case nary Hosp ses	Limpopo e, 2 = more	west than on	State e case b	Natal ut less than t	Cape en and 3 =	3.0 (1) more than 3.0 (1)	Cape 10 cases
Beaufort Wo Sheep: 2 Frozen to PROVINCE Average Level of imporeported Sheep Western Ca Caledon, Ou Sheep: 3 Non Spe Cause of	death Mpumalanga ortance scale: 1 pe verberg Veterior cific disease death not e	Gauteng = one case nary Hosp ses	Limpopo e, 2 = more	west than on	e case b	Natal ut less than t	Cape en and 3 =	3.0 (1) more than 3.0 (1) Western	Cape 10 cases A Northern
Beaufort Wo Sheep: 2 Frozen to PROVINCE Average Level of imporeported Sheep Western Ca Caledon, Ov Sheep: 3 Non spe Cause of	death Mpumalanga ortance scale: 1 pe verberg Veterior cific disease death not e	Gauteng = one case nary Hosp ses	Limpopo e, 2 = more	west than on	e case b	Natal ut less than t	Cape en and 3 =	3.0 (1) more than 3.0 (1) Western	Cape 10 cases A Northern
Beaufort Wo Sheep: 2 Frozen to PROVINCE Average Level of imporeported Sheep Western Ca Caledon, Ou Sheep: 3 Non Spe Cause of	death Mpumalanga ortance scale: 1 pe verberg Veterior cific disease death not e	Gauteng = one case nary Hosp ses	Limpopo e, 2 = more	west than on	e case b	Natal ut less than t	Cape en and 3 =	3.0 (1) more than 3.0 (1) Western	Cape 10 cases A Northern

eef					1.0 (1)				
ree State	u .								
Clocolan, Cl Beef: 1	ocolan Dierek	liniek							
Preditors									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northeri Cape
Average	2.0 (2)				2.3 (4)				
_evel 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 (2)				
Sheep	2.0 (1)				2.5 (2)				
eef: 2, Shee	ocolan Dierek								
seef: 2, Shee	ep: 3	kliniek ve	nnootskap						
Seef: 2, Shee	ep: 3			North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northeri Cape
Sabotation	ep: 3 on/Theft			North					
Sabotation PROVINCE Average Level of impose	ep: 3 on/Theft Mpumalanga	Gauteng	Limpopo	North West	2.6 (8)	2.0 (1)	Cape	Cape	Cape
Sabotation PROVINCE Average Level of important	ep: 3 on/Theft Mpumalanga 2.0 (1)	Gauteng	Limpopo	North West	2.6 (8) e case b 2.8 (4)	2.0 (1)	Cape	Cape	Cape
Sabotation PROVINCE Average	Mpumalanga 2.0 (1) ortance scale: 1	Gauteng	Limpopo	North West	2.6 (8) e case b	Natal 2.0 (1) ut less than t	Cape	Cape	

Free State	s Dierehospita								
Beef					1.0 (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	10 cases
Average					1.0 (1)				
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Traumat	ic Reticulo-p	pericard	itis						
racture									
Sheep: 1									
Beef: 1 Fracture									
	nderstepoort A	cademic I	Hospital ar	nd Prod	uction A	Animal Clinic	С		
Beef: 2, Goat		ammar CII	1110						
Gauteng Hammansk	raal, Themba A	Animal CI:	nic						
Sheep: 1									
Bethal, Bet	hal Diereklinie	k							
1pumalang	ıa	2.0 (1)							
Goat		2.0 (1)							
Sheep	1.0(1)	1.0 (1)	,						
Beef		1.5 (2)							
reported	ortanice scale, I	- one case	.,	ulali Ull	c case D	ut 1635 tildli t	ciraliu 3 =	more triail .	ro cases
	ortance scale: 1	. /	2 - more	than on	e case h	ut less than t	en and ? –	more than	10 cases
Average	1.0 (1)	1.5 (4)							
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northerr Cape
Trauma									
Bergville, B Beef: 2	ergville Veteri	nary Clini	C						
Kwazulu-Na									
Beef: 2	arg Diciek								
	ep: 3 /inburg Dierek	liniek							
/illiers, Wil Beef: 3, Shee	gepoort Dierel	kliniek Ve	nnootskap						
Beef: 3, Shee	•								
rankfort, F	rankfort Diere	ekliniek							
	y: 1, Sheep: 3								
ree State Clocolan, C	locolan Dierek	liniek							
ree State									