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

May 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 (148) submitted reports during May 2020:

Mpumalanga (13)

Balfour - Dr. Louis 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 an Van Sittert

Middelburg – Dr. Neil Fourie

Nelspruit – Dr. André Beytel

Piet Retief - Drs. Niebuhr and Weber

Standerton - Dr. Kobie Kroon

Volksrust - Dr. Johan Blaauw

Gauteng (12)

Bapsfontein – Drs. Olivier, Engelbrecht and Nagel

Bronkhorstspruit - Dr. De Bruin, De Bruin and Labuschagne

Hammanskraal – Dr. Hentie Engelbrecht

Krugersdorp - Dr. Danie Odendaal

Magaliesburg - Dr. Ryan Jeffery

Muldersdrift - Drs. Speedy and Enslin

Nigel – Dr. Cindy van der Westhuizen

Nigel – Dr. Henry Labuschagne

Onderstepoort Veterinary Academic Hospital – Prof. Holm, and Drs. Fitte, Grobler, Hentzen, Koeppel, Leask, Magadu, Magagula, Marufu, Mokoele, O'Dell, Tagwirreyi, Tshuma, Van den Hurk and Van der Leek

Pretoria – Dr. Hanneke Pienaar

Rayton -Dr. Frans Malan

Vanderbijlpark – Dr. Kobus Kok

Limpopo (5)

Bela-Bela – Dr. Nele Sabbe

Mokopane (Potgietersrus)- Dr. Henk Visser

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

Tzaneen - Dr. Danie Odendaal

Vaalwater – Dr. Hampie van Staden

North West (17)

Beestekraal - Dr. Alwyn Venter

Bloemhof - Dr. Cizelle Naudé

Brits – Dr. Boshoff and Coertze

Brits – Dr. Gerhardus Scheepers

Christiana - Dr. Pieter Nel

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

Van den Berg, Geral and Greyling

Leeudoringstad – Dr. Ian Jonker

Lichtenburg – Dr. Nelmarie-Krüger-Rall

Ottosdal - Dr. Sharnelle Pretorius

Potchefstroom - Dr. Martin Ferreira

Potchefstroom – Dr. Martin Jordaan

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

Vryburg - Drs. De Jager and Rautenbach

Free State (28)

Bethlehem – Dr. J.C. du Plessis

Bloemfontein – Dr. Lizanne Meiring

Bothaville – Dr. Gerrie Kemp

Bultfontein – Dr. Santjie Pieterse

Clocolan – Drs. Wasserman and Kleynhans

Dewetsdorp – Dr. Marike Badenhorst

Excelsior/Ladybrand – Dr. Dedré Nel

Ficksburg – Dr. Woody Kotzé

Frankfort - Drs. Lesssing, Cilliers and Janse van Rensburg

Hoopstad – Dr. Kobus Pretorius

Hoopstad – Dr. Cassie van der Walt

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

Memel – Drs. Nixon and Nixon

Oranjeville - Dr. D'Wall Hauptfleish

Parys – Drs. Wessels and Wessels

Philippolis – Dr. Stephan van Niekerk

Reitz – Dr. Murray Smith

Senekal – Dr. Jan Blignaut

Senekal – Dr. Theo Kotze

Smithfield – Dr. Nienke van Hasselt

Viljoenskroon – Dr. Johan Kahts

Villiers - Drs. Hattingh, Krüger, Maree and Muller

Vrede – Drs. Bester-Cloete, Myburgh and Roos

Vrede – Dr. Rudolph Fourie

Warden – Dr. Paul Reynolds

Wesselsbron - Dr. Johan Jacobs

Winburg – Drs. Albertyn and Albertyn

Zastron – Drs. Troskie and Strauss

KwaZulu-Natal (13)

Bergville – Dr. Jubie Muller

Bergville – 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

Kokstad - Drs. Clowes, Shrives and Lees

Mooi River – Drs. Edmunds, Fowler and Still

Mtubatuba – Dr. Trevor Viljoen

Pietermaritzburg – Dr. Philip Kretzman

Pongola – Dr. Heinz Kohrs

Underberg - Drs. King, Delaney and Huysamen

Vryheid – Drs. Theron and Theron

Eastern Cape (18)

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 – Hobson, Strydom and Hennesy

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

Jeffreys Bay - Drs. Lategan and Hoek

Port Alfred – drs. De Bruyn and Jonk

Queenstown – Drs. Du Preez, Klopper, De Klerk, Catherine en Wentzel

Queenstown – Dr. Mike Solomon

Steynsburg – Dr. Johan van Rooyen

Stutterheim – Dr Dave Watermann

Uitenhage - Drs. Mulder and Krüger

Witelsbos - Dr. Elmien Kotze

Western Cape (23)

Beaufort West - Dr. Jaco Pienaar

Beaufort West - Dr. Bennie Grobler

Caledon – Drs. Louw and Viljoen

Caledon – Drs. Drs. Retief, Coetzer and Jansen

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

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

George – Drs. Strydom, Truter and Pettifer

George – Dr. Riaan Putter

Heidelberg – Dr. Albert van Zyl

Malmesbury – Dr. Otto Kriek

Malmesbury – Drs. Bosman and Groenewald

Malmesbury – Dr. Andries Lesch

Oudtshoorn - Dr. Glen Carlisle

Oudtshoorn - Dr. Adriaan Olivier

Paarl/Wellington - Dr. William van Zyl

Paarl – Dr. Carla van der Merwe

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

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. Swart, Smith and Hyslop

Kimberley – Drs. Van de Wateren and Van de Wateren

Kimberley – State Veterinarian Group

Kuruman – Dr. Gerhard van der Westhuizen

Upington – Drs. Vorster and Visser

Feedlots (2)

Dr. Eben Du Preez

Dr. Shaun Morris

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. Annelie Cloete – Elsenburg

Dr. Sophette Gers – Pathcare, Cape Town

Dr. Mark Chimes – Dairy Standards, George

Amanda McKenzie – Vryburg Veterinary Laboratory

Livestock identification and traceability is the basis for controlling diseases such as foot and mouth disease and bovine brucellosis

The following information is available on the world wide web regarding ICAR (www.icar.org)

The International Committee for Animal Recording (ICAR) is an International Non-Governmental Organisation (INGO) which was formed on March 9th, 1951, in Rome. Presently it is composed of 115 Members from 57 countries. ICAR now strives to be the leading global provider of Guidelines, Standards and Certification for animal identification, animal recording and animal evaluation. ICAR wants to improve the profitability, and sustainability of farm animal production by:

- Establishing and maintaining guidelines and standards for best practice in all aspects of animal identification and recording.
- Certifying equipment, and processes used in animal identification, recording and genetic evaluations.
- Stimulating and leading: continuous improvement, innovation, research, knowledge development, and knowledge exchange.

 Providing services essential to achieving international collaboration in key aspects of animal recording and animal breeding.

AIMS AND OBJECTIVES

The aims of ICAR are to promote the development and improvement of animal identification, performance recording and evaluation in farm animal production.

Such objectives are achieved through the establishment of definitions and guidelines for measuring characteristics of economic importance.

The aim of ICAR is to promote the development and improvement of the activities of identification, performance recording and the evaluation of farm livestock. We achieve this through the following:

- 1. ICAR establishes rules and standards, specific for the purpose of
- identifying animals, the registration of their parentage, recording their performance, evaluating their genetics, and publication of such.
- identifying characteristics of production systems and their bearing on animal health, care, productivity, food safety and the environment.
- 2. Promoting discussion and collaboration in all activities having to do with animal performance recording and evaluation and recording and evaluation of characteristics of production systems within and among international organisations, public authorities and industry.
- 3. Encouraging the use of animal records for the purpose of assessing the value of animals and farm management systems, given that both aspects have a bearing on the profitability of animal production.
- 4. ICAR provides a platform for cooperation and collaboration in all activities related to animal performance recording and evaluation within and among international organisations, public authorities and industry service providers.
- 5. It encourages the use of performance recording data for the purpose of assessing the value on the profitability of animal production.
- 6. It facilitates the interpretation of findings at the practical level by publishing reports showing the results obtained through the application of performance recording and evaluation methods.

Section 10 - Guidelines for Testing and Certification of Animal Identification Devices Section 10 Identification Device Certification Version October, 2017

https://www.icar.org/Guidelines/10-Identification-Device-Certification.pdf

1 Background

1.1 Foreword

This section provides a general introduction to the principles and procedures developed for testing and certification of animal identification devices by ICAR.

On June 22, 2007 ISO appointed ICAR as the Registration Authority (RA) competent to

register manufacturer codes used in the radio frequency identification (RFID) of animals in accordance with ISO 11784 and ISO 11785.

ICAR has administrative procedures in place for testing the conformance of RFID devices in respect to ISO 11784 and ISO 11785.

Only those results emanating from accredited and RAapproved test centres are recognized. In addition, ICAR offers evaluations on various quality and performance features of those same devices subjected to the ICAR conformance test and these evaluations are also available for conventional plastic eartags.

1.2 Test categories

Testing of identification devices can be subdivided into three main categories.

1.2.1 RFID Conformance test (ISO 24631-1)

Conformance testing is required to demonstrate electronic transponders meet the specifications and standards in ISO 11784 and ISO 11785. The submission of identification devices to conformance testing is obligatory before they can be used in the official identification of animals.

Conformance tests are coordinated by Service-ICAR. Acting as the Registration Authority (RA) on behalf of ISO, ICAR issues a Certificate of Conformance for RFID devices conforming with ISO 11784 and ISO 11785.

1.2.2 RFID Performance test (ISO 24631-3)

Performance testing is an evaluation of the following characteristics of an RFID device: modulation amplitude, bit length stability, minimum activation field strength resonance frequency and amplitude voltage response (Vss). These RFID performance test results are not subject to pass or fail criteria but provide useful additional information on device behaviour when communicating with a reader. Acting as the Registration Authority (RA) on behalf of ISO, ICAR evaluates RFID devices through the RFID performance test and issues an evaluation report to the submitting manufacturer accordingly.

1.2.3 Device Composition and Environmental Performance test (ICAR)

ICAR offers a device composition and environmental performance test for both conventional plastic and RFID external devices. The objective of these tests is to give extensive information on device durability and performance in diverse animal management conditions. Procedures will vary depending on the device type. ICAR issues an evaluation report and ICAR certificate for devices in accordance with the specifications of the respective ICAR standards described in sections 4 and 5.

Visit https://www.icar.org/Guidelines/10-Identification-Device-Certification.pdf for details regarding certification of devices

Agricultural Produce Agents Council (APAC)

The Act and the Rules

The Agricultural Produce Agents Council was established by Section 2 of the Agricultural Produce Agents Act (Act 12 of 1992), as amended by the Agricultural Produce Agents Amendment Act, No. 47 of 2003.

The Rules in respect of Fresh Produe Agents, Export Agents and Livestock Agents are issued in terms of Section 10 of the Agricultural Produce Agents Act, Act 12 of 1992.

https://www.apacweb.org.za/legislation

New rules have been drawn up and when becoming available will be forwarded to the public.

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

Get a traceability system in place

Biosecurity guidelines

http://nahf.co.za/wp-content/uploads/FMD-Basic-Biosecurity-Guidelines-2019-11-19-Ver-3-1.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 2019-11-19 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 cattle should be quarantined at least 100 meters for 21 days away from the herd.
- b. There will be absolutely no contact with the herd 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!!!!!!!

The basis of Disease Control is Animal Identification and Tracebility

Visit: https://www.icar.org/index.php/certifications/animal-identification-certifications/

Summary of disease report for May 2020

148 Reports from veterinary practices and laboratories were received (Mpumalanga (MP) 13; Gauteng (G) 12; Limpopo (L) 5; Northwest (NW) 17; Free State (FS) 28; KwaZulu-Natal (KZN) 13; Eastern Cape (EC)

18; Western Cape (WC) 23: Northern Cape (NC) 9; Feedlots (FL) 2; 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 (internal parasite, Haemonchus contortus)	9
Eye infections	9
Lung infections	9
Dystocia	9
Coccidiosis	8
Blue ticks	8
Anaplasmosis	8
Pulpy kidney	8
BMC (snotsiekte)	8
Orf (vuilbek)	8
Warts	8
Ringworm	8
Protein deficiency	8
Abscesses	8
Lameness/foot problems	8
Mastitis	8
Roundworms	7

African red water Blue tongue	7
Blue tongue	7
Energy deficiency	7
Abortions	7
Poor conception	7
Uterine prolaps	7
Trauma	7
Cryptosporidiosis	6
Bont-legged ticks	6
Asiatic red water	6
Heartwater	6
Blackquarter	6
Bloodgut	6
E. coli	6
Pasteurellosis	6
Diarrhoea	6
Eye cancer	6
Joint ill	6
Acidosis	6
Resistant roundworms	5
Tapeworms	5

Brown ear-ticks	5
Lumpy skin disease	5
Trichomonosis	5
Vibriosis	5
Lantana poisoning	5
Phosphate deficiency	5
Bloat	5
Downer animals	5
Milk fever	5
Vaginal prolaps	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.

http://nahf.co.za/brucellosis-legal-aspects-2018-12-11/

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.	6. I have actively looked for Ovine Johne's Disease and have had tests done for this.							
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.								
8.	The sheep on my properties have been vaccinated against Ovine Johne's Disease and are clearly marked with the approved ear tag.	YES	NO					
9.	All lambs born are vaccinated	YES	NO					
10	If vaccinated, the number of years that the vaccinations have been done is		years					
NC	OTE: Vaccination does not mean freedom from OJD, vaccinated animals can still be carriers							
	atement 8 and 9 apply only to already infected flocks, and such sheep can only be sold to ot		ected					
flo	cks by law.							
Bu	yers should consult their veterinary advisor before any purchases.							
Sig	nature Date							
_	Farm:	_						
NΑ	ME							
	District:							
	WNER OR AUTHORIZED PRESENTATIVE	_						
The	use of this declaration is supported by the following organisations:							













SOP for the control of Bovine Brucellosis

Audit date:_		 	
Authorised p	erson:_		

		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/

Rural Veterinary Association of South Africa

www.ruvasa.co.za

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

Landbouweekblad's webpage

www.landbou.com

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	
Resistant roundworms				х	х	х	х	х	
Wireworm	х	Х	х	х	х	х	х	х	х
Brown stomach-worm							Х	х	
Long-necked bankruptworm									
White bankruptworm									
Large-mouthed bowelworm									
Nodularworm				х					
Lungworm									
Eyeworm					х				
Parafilaria		Х	х			х			Х
Tapeworms	х	Х			Х		Х	х	
Liver fluke	х	Х		х	Х	х	Х	х	
Conical fluke	х				х	х			

Cysticercosis (measles)	х		х				х	х
Schistosomiasis (bilharzia)								
Coccidiosis	х	х	х	х	х	х	х	х
Cryptosporidiosis		х	х	Х	х	х	х	

Many deaths due to wireworm infestations have been reported from may areas in the summer rainfall area. Young and pregnant animals are the most vulnerable!

I asked Dr. Gretha Snyman from Grootfontein to send me an update on the selection of sheep for resistance

Research on resistance to wireworm in sheep

Research in this regard has been done by Dr Alan Fisher and Grootfontein on the Wauldby Dohne Merino flock since 2011.

Data on faecal egg counts (FEC), Famacha[©] score (FAM) and body condition score (BCS) were collected annually on all lambs. FEC, FAM and BCS of all lambs were recorded from the middle of January onwards. FAM was recorded weekly and FEC and BCS every 14 days until the end of June when Haemonchus challenge had decreased. Lambs were only drenched when they had a FAM of 2.5 or more, in conjunction with a BCS of less than 1.5. Any lamb that was drenched was recorded as "Dosed" and those lambs that did not require any drenching as "Not dosed". Replacement rams and ewes were selected from the animals that did not need dosing on the basis of a selection index incorporating FEC, FAM and BCS.

During the first year of the trial, 33% of the ram lambs and 45% of the ewe lambs were not dosed. These percentages increased annually until 77% of the ram lambs and 82% of the ewe lambs did not need any drenching in 2016. One of the most significant results of the trial to date was the increase in percentage offspring of the sires that did not need drenching. The best performing sire used during 2011 had 53% lambs that did not need drenching, while 74% lambs of the poorest sire needed anthelmintic treatment. In 2016, the best performing sire had 97% lambs that did not need drenching, while 37% lambs of the poorest sire needed anthelmintic treatment.

Genetic parameters for the resistance traits were estimated and these results were used to develop protocols for selection for resistance to *H. contortus* under South African conditions.

A preliminary genomic study showed genetic differences between sire lines, where animals in the most resistant lines had significantly more favourable breeding values for FEC. Currently a more comprehensive genomic study is underway which involves a search for markers or genes related to worm resistance.

The results of the study to date can be found in volumes 18, 19 and 20 (in press) of the Grootfontein Agric on http://:gadi.agric.za.

Nodular worm infestation could cause huge problems! 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.

Make sure the dewormer you are using actually deworms your animal!

Wireworm infestation kills your animal. If the eye mucous membrane of the animal is white or pinkish, after treatment, within a week the mucous membrane HAVE to become reddish!!!!!!!!!

The best is to do a faecal egg count reduction test (FECRT) – contact your veterinarian



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

https://docs.wixstatic.com/ugd/aded98_cb447e77eef6450f93a2b23cb0e6b9de.pdf

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....0.066yefU7Ric

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

External parasites

Consult your veterinarian

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

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

Mange mites	х			х			
Nuisance flies				х	х	х	
Midges					х		
Mosquitoes				х	х		
Blowflies			х	х		х	
Screw-worm							
Gedoelstia (uitpeuloogsiekte)							
Nasal bot	х			х		х	

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. Immature stages of multi-host ticks are prevalent in winter, especially in the ears. By treating cattle where brown ear-ticks are a problem, fewer adult ticks will be seen in summer!

Below is a list of diseases transmitted by ticks.

Start already now updating your management programme with the help of your veterinarian!

Tick borne diseases

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

Tick borne diseases	MP	G	L	NW	FS	KZN	EC	wc	NC
African red water	х	х		х	х	х	х	х	
Asiatic red water	х	х			х	х	х	х	
Anaplasmosis	х	х		х	Х	х	х	х	х

Heartwater	х	х	х	х		х	х		
Lumpy skin disease				х	х	х		х	х
Corridor disease									
Theileriosis									

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

Numerous mortalities were reported!

Analasmosis outbreaks were reported from all 9 provinces.

The keyword is vaccinate your animals! Contact your veterinarian.

Tick toxicosis

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

Insect transmittable diseases

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

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

Insect transmittable diseases is rife. Vaccines are available, the only reason why there were so many outbreaks of lumpy skin disease, blue tongue and three-day-stiff sickness could be that animals were not vaccinated or that the cold chain was broken!

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	х				х
Pizzle disease				х	Х			х	х
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 (6 provinces) and vibriosis were reported from 5 provinces.

Venerial disease is a HERD disease!

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

Septicaemia	х				х		х	х
E. coli	х		х	х	х		х	х
Klebsiella							х	
Coxiella (Q-fever)				х				
Mycoplasma								
Enzootic abortion		х					х	х
Lumpy wool (Dermatophilus)	х			х		х	х	
Bovine dermatophilosis (Senkobo disease)					х			
Uterine gangrene						х		х
Wooden tongue								
Lumpy jaw							х	
Interdigital dermatitis								

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.

Q-fever, a zoonosis, seems to be more prevalent, beware! An aborton storm in sheep should make farmers aware of Q-fever!

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!

Q-fever, enzootic abortion, brucellosis, are all zoonotic diseases and should be handled with utmost care!

Viral diseases

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

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

Sheep leucosis								
Jaagsiekte								
Orf	х	х	х	х	х	х	х	х
Warts	х	х	х	х	х	х	х	х
Herpes mammillitis - goats								

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.

Snotsiekte was reported from 8 provinces!! Have a dialogue with your neighbour if wildebeest are in the area.

BMC is a notifiable disease and have to be reported to the State Veterinarian.

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

Discuss vaccination programmes and biosecurity measures with your veterinarian.

Orf is a zoonosis.

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)				х					

Toxicities

The following toxicities were reported by practices in the provinces:

Toxicities	MP	G	L	NW	FS	KZN	EC	WC	NC
Cardiac glycoside	х							х	
Slangkop									
Crotalaria									
Gifblaar									
Gousiekte									
Cestrum (ink berry)	х	х		х	Х				
Tulip					х	х			
Cynanchum (bobbejaantou)								х	
Facial eczema					Х			х	
Lantana	х	х	х	х		х			
Prussic acid					х			х	
Damkweek (cyanide)									
Acacia nilotica									
Senecio									
Cotula nigellifolia (stagger wood)									
Geeldikkop (duwweltjies) and dikoor									
Vermeersiekte									
Hertia pallens (Nenta, krimpsiekte)									
Chrysocoma ciliata (bitterbos)									
Crotolaria (stywesiekte bossie)									
Solanum incanum (maldronksiekte)									

Gnidia burchelli (Januariebos, besembossie, harpuisbos))					
Gomphocarpus (Asclepias) fruticosus (milkweed)					
Heliotropium (potato weed)					
Bracken fern					
January bush (Gnidia polycephalatus)					
Chinkerinchee					
Ceylons rose					
Datura				х	
Sarcostemme viminale (melktou, caustic bush)					
Malva parviflora (kiesieblaar)					
Bitou					
Cotula nigellifolia (Stagger weed, stootsiektebossie)					
Eucalyptus (bloekom) bark					
Kikuyu					
Ryegrass					
Grass staggers	х				
Lush pastures (Dikkop)					
Lasiospermum (Ganskweek)					
Paspalum staggers					
Phalaris aquaticum (Phalaris staggers)					
Photosensitivity (Turknael, <i>Erodium</i> moschatum)					

Photosensitivity (Stellenbosch)							
Photosensitivity							
Lusern							
Mycotoxicosis						х	
Apergillus							
Aflatoxin							
Diplodiosis					х		
Lupins							
Soya	х						
Syringa berries							
Acorn							
Cycad							
Kraalbos, Geelbos (Galenia africana)							
Radish							
Carrot poisoning							
Onion poisoning							
Bracken fern							
Pollen beetle (Astylus atromaculatus)							
Water contamination						х	
Nitrate		х					
Amaranthus							
Tannins							
Urea	х		х	х	х		
Salt							

Snake bite	х		х			
Moth cocoons (impaction)						
Blue green algae			х		х	
Copper						
Selenium						
Zinc						
Zinc sulphite						
Fluoride						
Lead						
Alcohol poisoning						
Paraquat						
Phosamine						
Aldicarb						
Organophosphate						
Zinc phosphide						
Xanthium						
Pyrethroid					х	
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*).

Geeldikkop, due to sheep eating wilted duwweltjies have been reported.

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

Every now and then goats die when thet are injected in the neck area, rather inject them in the tail fold.

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	
Phosphate			х	х	х			х	х
Calcium					х	х	х	х	

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

Micro-nutritional 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
Iodine						х			
Copper					х			х	
Zinc								х	
Selenium	х			х	х	х			
Magnesium								х	
Manganese								х	
Vitamin A				х	х	х			
Vitamin B 1					Х				

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
								i l	

Abortions	х	х	х	х	х	х	х	х	
Stillbirths					х	х		х	
Abscesses	х	х		х	х	х	х	х	х
Intestinal ulcers									
Bladder stones –urolithiasis					х				
Blindness					х	х	х		х
Bloat	х	х			х		х	х	
Blue udder					х	х		х	
Diarrhoea	х	х	х	х	х	х	х	х	
Epididymitis					х				
Eye cancer					х	х		х	х
Eye infections	х	х		х	х	х	х	х	х
Vestibular syndrome (middle ear infection)									
Skin lymphoma									
Joint ill	х	х		х	х	х	х	х	
Cystitis									
Icterus									х
Lameness/foot problems	х	х	х	х	х	х	х	х	х
Lung infection	х	х	х	х	х	х	х	х	х
Mastitis	х	х	х	х	х	х	х	х	х
Navel ill	х				х	х		х	
Umbilical hernia									
Red gut (sheep, torsion of gut)					Х				
Rectal prolaps									
		<u> </u>							

Rumen stasis								
Abdominal impaction								
Abdominal hernia								
Floppy kid synrome								
Swelsiekte							х	
Traumatic reticulo-pericarditis				х		х	х	
Trauma		х	х	х			х	
Teeth wear								
Plastic bags (ingestion)								
Downer	х	х		х	х		х	х
Poor condition							х	
Anaphylactic shock								
Vestibular syndrome (middle ear infection)								
Hernia								
Deformaties								
Wet carcases at abattoir				х			х	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.

Lung diseases are killers in the autumn and winter. Good vaccines are available!

Metabolic diseases

The following diseases were reported by practices in the provinces:

Metabolic diseases	MP	G	L	NW	FS	KZN	EC	wc	NC
Acidosis				х	х	х	х	х	
Displaced abomasum						х		х	
Ketosis (Domsiekte)	х	х			х	х		х	
Milk fever					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	х	
Endometritis					х	х		х	
Metritis	х	х		х	х	х	х	х	
Hydrops									
Poor conception	х		х	х	х	х	х	х	
Retained afterbirth	х	х			х	х	х	х	
Sheath prolaps		х			х	х		х	
Uterine prolaps	х	х		х	х	х		х	
Vaginal prolaps	х	х	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				
Frozen to death					х				
Heat stress									
Lightning	х		х	х	х				
Electrocution									
Drought								х	

Other conditions

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

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

PRECAUTIONARY MEASURES TO SUPPORT BIO-SECURITY.

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

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

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

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

Have there been any recent disease outbreaks in the location?

Do brand marks clearly confirm ownership?

Was a vaccination program followed (need paper or veterinarian proof). What are the local prevalent external parasites and the routinely implemented control program?

Is a veterinarian supported control program against transmittable diseases followed?

Dates and sufficient number of tests for reproductive diseases of both male and female

Dates and tests for zoonotic diseases

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

2. PURCHASES FROM SALES OR SPECULATORS

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

- * brand marks
- * parasite infestation

3. TRANSPORT TO THE FARM

Use only reputable transporters

Has the truck been cleaned and disinfected?

Truck to follow the shortest uninterrupted route

Truck to take the shortest route to the handling facilities

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

4. ARRIVAL ON THE FARM

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

Isolate them from the farm herd and shared facilities for at least 21 days (quarantine)

Retest for diseases of concern if needed, before mixing with the rest of the herd

Process new arrivals within 24 hrs after arrival (unique ID tag brand, dip, dose, vaccinate) Inspect regularly

5. FEED PURCHASES

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

Purchase feed from reputable dealers only

Avoid buying feed in second hand bags

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

6. VISITORS

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

7. EMPLOYEES

Do not allow the employees to eat in feed stores

Supply employees with sufficient ablution facilities

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

Keep record of all employee livestock on the property

Treat employee livestock with separate but dedicated health programs

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

GENERAL AND REPRODUCTION MANAGEMENT

Record keeping: All animals are individually identified and recorded.

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

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

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

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

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

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

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

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

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

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

HERD HEALTH AND BIO-SECURITY

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

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

Some diseases and parasites (internal and external) are more often encountered in specific areas:

Annual vaccinations and a parasite control program should be applied according to regional requirements and in liaison with the veterinarian.

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

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

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

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

Practices that had nothing to report

Hammanskraal – Dr. Hentie Engelbrecht

Beestekraal – Dr. Alwyn Venter

Bathurst - Dr. Jane Pistorius

Cape Town - Dr. Sophette Gers

George – Dr. Mark Chimes

Harrismith - Dr. Wim Slabber

Kroonstad – Dr. Theo Kotze

Malalane - Drs. Van Sittert and Van Sittert

Muldersdrift – Dr, Clare Speedy

Nigel – Dr. Cindy van der Westhuizen

Ottosdal – Dr. Sharnelle Pretorius

Oudtshoorn - Dr. Glen Carlisle

Smithfield – Dr. Nienke van Hasselt

Stellenbosch – Dr. Annelie Cloete

Tulbagh/Paarl - Dr. Dirk Triegaardt

Vanderbylpark- Dr. Kobus Kok

Ostriches

Western Cape

Oudtshoorn

Tapeworms	1
Red gut	3 - Feed intake up and down/ leads to gastro-intestinal tract disturbance and red gut – clostridial enteroxaemia
Airsacculitis	Temp fluctuations/ dust/ cold – increased moist rales, rhinitus and sinusitis
Diarrhoea	3 - Dysbacteriosis - enterocolitis
Lungs	3 - Temperature fluctuations/ dust/ cold – increased moist rales, rhinitus and sinusitis

Soil pica	3 - High temp = high water intake = moist areas in camps and soil pica
Protein, Energy deficiency, poor growth	3 - Energy playing an important role, insufficient eating time with shorter days, last chicks of season severe heat of late summer and now cold spell and rain—becomes a negative/catabolic downard spiral
Selenium deficiency	2
Mycotoxicosis	Silage fed, estrogenic mycotoxins – increase occurance of prolaps
Rectal prolaps	3 -Soil pica and heat stres = cryptosporidium overgrowth
Lameness	3
Myopathy	Suspect Vitamin E/Se deficiency as birds respond well to treatment by infeed medication. Common symptoms are weakness/ unable to stand in birds with a good body condition. Captured chicks on game farm showing capture myopathy
Cold exposure	3

Equines

Mpumalanga

Lydenburg

Sarcoptes mites - 2

Gauteng

Rayton

Eye infection - 1

Magaliesburg

Theileriosis – 3

Impaction colic - 2

Limpopo

Bela-Bela

Maggots – 1 in ear of horse

Mokopane

Skin irritation- 1 ticks, allergy, light colic

KwaZulu-Natal

Pongola

Retained afterbirth – 1

Theileriosis - 2

Eastern Cape

Port Alfred

Piroplasmosis – 1 South Seas

Tick worry, dermatitis-2

Screw-worm – 2 Port Alfred, Bathurst

Northern Cape

De Aar

African horse sickness – One confirmed case, two reported by farmers

Game

Mpumalanga

Lydenburg

Conical fluke -1

Trauma - 1

Gauteng

Magaliesburg

Red gut – Clostridial bacteria in blesbuck weaners

Limpopo

Bela-Bela

Blue ticks - Gemsbok - very weak covered with blue ticks, tick toxicosis, died

Trauma – Buffalo, escaped, sore shoulder

Compaction colic – Weaned white rhino

Mokopane

Macrocyclic lactone poisoning – Sables, MLS's in food, overdose, parasite resistance

North West

Bloemhof

Pulpy kidney - Roan, feed change

Schweizer-Reneke

Wireworm - Gemsbok and impala

KwaZulu-Natal

Pongola

Brown ear-tick - 1

Western Cape Wellington

Cryptosporidiosis – Buffalo (1 herd)

Northern Cape

Colesberg

Paralysis ticks - Game

Alpaca Western Cape Wellington Cryptosporidium – 1 flock

Swine Gauteng Ondertepoort

Abscesses - 1

Western Cape Wellington

Diamond skin disease - 2

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

Vetdiagnostix; microbiology

Trueperella [Arcanobacterium] pyogenes was the pathogen isolated from the greatest variety of animals during May. It was isolated from abscesses in cattle [2], sheep [2], goats, alpaca, sable, rhino, buffalo and elephant, and caused a bovine abortion. Other causes of abortion in cattle were Salmonella Dublin and a suspected Brucella. Other causes of abscessation were Staphylococcus aureus [cattle], Corynebacterium pseudotuberculosis [sheep, 2 cases] and Streptococcus suis [pigs]. S. suis also caused pneumonia in pigs, and S. aureus caused Blue Udder in sheep.

Coxiella burnetii [Q Fever] was responsible for four outbreaks of sheep abortion since March, all in the central plateau area [Free State and Northern Cape]. It was not reported in the previous monthly reports, because of delays before receiving each positive result.

Bovine Respiratory Disease yielded *Mannheimia haemolytica* [10], *Pasteurella multocida* [4], *Histophilus somni* [3] and *Mycoplasma* [3]. *M. haemolytica* also caused pneumonia in sheep.

Intestinal disease in calves was caused by *E. coli* [5], which were negative for virulence factors and *Cryptosporidium* [3 cases]. The *Cryptosporidium* is therefore regarded to be the primary pathogen. Another case of calf enteritis yielded *E. coli* which was positive for CNF 1. E. coli carrying Cytotoxic Necrotizing Factor 1 causes enteritis as well as septicaemia. Enteritis in lambs yielded *E. coli* [6] and *Cryptosporidium* [6]. Three of the *E. coli* isolates were tested for virulence production, and all three were negative. In almost every case of combined *Cryptosporidium* and *E. coli* infections, the *E. coli* does not produce any virulence factors, indicating that the *E. coli* is only secondary. A case of pigs with Oedema Disease yielded *E. coli* positive for the Oedema Disease virulence factors, Stx2e and F18.

Gangrenous myositis in cattle was caused by *Clostridium novyi* [2] and *C. perfringens*. There is no FA test for *C. perfringens*, and suspect cases should be cultured anaerobically.

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

Veterinary Mastitis Consultant: Bovine Industry

0827849706@vodamail.co.za

0827849706

DIAGNOSTIC REPORT: May 2020

No new zoonotic AMR (antimicrobial resistant) organisms or State controlled diseases reported for May 2020

Feedlot report received from Dr. Eben du Preez for May 2020 (edupreez1@telkomsa.net)

Condition	Comments and Specie
Parafilaria	B 2
Blue ticks	В 3
Red legged-ticks	B 3, O3
Lumpy skin disease	B 1

Anaplasmosis	В 3
Red gut	В 3
Blood gut	O 3
Pulpy kidney	01
Histophilus somni	В 3
Ringworm	В 3
BVD	B 2
IBR	B 2
Energy excess	B 3, O 1
Phosphate deficiency	B 2
Vitamin A deficiency	В 3, О 3
Vitamin B1 deficiency	В 3, О 3
Slangkop	B 1
Tulip	B 1
Abortion	B 1
Mastitis	0 2
Joint ill	В 3
Lameness	В 3, О 3
Lungs	В 3, О 3
Diarrhoea	В 3, О 3
Eyes	B 1, O 3
Abscesses	В 3, О 3
Cold exposure	B 1
Trauma	B 3, O 3

Pericarditis	В 3
Poor conception	03
Dystocia	B 1
Deaths reported by farmers:	
Cattle: Anaplasmosis, Pneumonia, Bloat	

Feedlot report received from Dr. Shaun Morris for May 2020 (shaun@octavoscene.co.za)

Condition	Comments and Specie			
Conical flukes	В 3			
Anaplasmosis	B 3			
African Red water	B 2			
Salmonellosis	300 sheep died			
Lumpy skin disease	B 1			
Pneumonia	В 3, О 3			

Monthly report for May 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								
BOVINE, ADULT	OSTERTAGIASIS	1	MOOI RIVER, KZN					
GOAT ADULT NANNY	1	DARLING, W.CAPE						
OVINE, LAMBS	CRYPTOSPORIDIOSIS	1	RUSTENBURG, N.WEST					
GOATS, ADULT	VACCINE ASSOCIATED ANTHRAX	1	MOOI RIVER, KZN					
OVINE, ABORTED FETUS	COXIELLA BURNETTI	1	MODIMOLE, LIMPOPO					
BOVINE, ADULT	HISTOPHILUS SOMNI TEME	1	MTUBA, KZN					

OVINE. LAMBS	VERMEERSIEKTE	1	QUEENSTOWN, E.CAPE
OVINE, LAWIBS	VEKIVIEEKSIEKTE	1	QUEENSTOWN, E.CAPE

WILDLIFE DISEASE SURVEILANCE								
WILDLIFE SPECIES DISEASE AGENT NO. CASES LOCATION								
BUFFALO, CALF	ABOMASAL CRYPTOSPORIDIOSIS	1	WELLINGTON, W.CAPE					
BUFFALO, CALF	INTESTINAL CRYPTOSPORIDIOSIS	1	WELLINGTON, W.CAPE					

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

Condition	Comments and Specie
Cryptosporidiosis	0 2
Bacterial meningoencephalitis	01
BMC (snotsiekte)	В 3
Equine sarcoid	E 1
Pyrrolizidine alkaloid	B 2
Hepatotoxicity	В 3
Abortion	01
Diarrhoea (bacterial)	B 1, O 2, P 1
Metritis/Placentitis	P 1
Acidosis	01



Section of Pathology Department of Paraclinical Sciences Faculty of Veterinary Science

May 29, 2020 DAFF Import/Export Policy Unit Subdirectorate

Monthly report: Faculty of Veterinary Science cases
Wildlife cases sent to referring veterinarians between 27th March and 29th May 2020

Cases from State vet Skukuza or Orpen (none)

Cases imported with master permit (\$809-20)

PMDate	Species	Final	Histo No
04-Mar-20	Black Rhino	Complications of maladaptation	S809-20
19-Mar-20	Cheetah	Chronic renal disease	S868-20
03-Apr-20	Roan	Negative IHC test for Rabies	S947-20

Kind regards,

Mily Mitchell

Prof. Emily Mitchell

DISEASE DISTRIBUTION REPORT AS REPORTED BY VETERINARIANS

Month: May 2020

Table of Contents

<u>Internal Parasites</u>	Roundworms in general, Resistant Round Worms, Wireworm, Brown stomach-worm, 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, Biting lice (red lice), Sucking lice (blue lice), Scab mites, Mange Mites, Nuisance Flies, Blowflies, Nasal bot larvae, Midges, Mosquitoes, Itch mite
<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 tonque, Nagana
Venereal Diseases	Actinobacillus seminis, Trichomonosis, Vibriosis, Pizzle disease
Bacterial Disease (other)	Q-Fever Coxiella, Blackquarter, Botulism, Pulpy Kidney, Swelled head disease, Red qut (cattle), Blood qut (Sheep), Tetanus, Brucella abortus, Brucella ovis, Bovine Tuberculosis, Johne`s disease, Septicaemia, E. coli, Enzootic Abortion, Dermatophilosis (Lumpy Wool), Intrauterine Gangrene, Bovine Dermatophilosis (Senkobo disease), Fusibacterium necrophorum, Other, Pasteurellosis, Klebsiella
Protozoal diseases (other)	Besnoitiosis, Coccidiosis, Cryptosporidium
<u>Fungal diseases</u>	Ringworm
<u>Viral Diseases (other)</u>	BMC (snotsiekte), BVD (Bovine viral diarrhoea), IBR (Infectious bovine rhinotracheitis), BRSV (Bovine respiratory syncytial virus), PI3, Enzootic Bovine Leucosis (EBL), Orf, Warts, Rota virus, Corona Virus
Poisonings (Plant) and Fungal	Cardiac glycoside poisoning, <i>Cestrum</i> , <i>Cynanchum</i> poisoning, Facial eczema, <i>Lantana</i> , Prussic acid poisoning, Tulip Poisoning, Mycotoxicosis, Diplodiosis, Other
<u>Poisonings</u>	Datura, Water contamination, Urea Poisoning, Snake Bite, Blue-green algae, Chemical products, Other
Macro Nutritional Problems	Energy deficiency, Protein deficiency, Phosphate deficiency, Calcium deficiency
<u>Micro Nutritional Problems</u>	Copper deficiency, Zinc deficiency, Selenium deficiency, Vitamin A deficiency, Vitamin B1 deficiency
Multi-factorial Disease Conditions	Abortions, Stillbirths, Abscesses, Bladder stones, Blindness, Bloat, Blue udder, Diarrhoea, Epididymitis, Eye Cancer, Eye infections, Joint Ill, Lameness/Foot Problems, Lung infection, Mastitis in general, Navel Ill, Red gut (Torsion of the Gut) Sheep, Trauma, Downer, Other, Vestubular syndrome (Middle ear infection), Wet carcases, Yellow cascases at abattoir
Metabolic Diseases	Acidosis, Displaced abomasum, Ketosis, Milk Fever, Other

Reproductive diseases	<u>Dystocia (Difficult Births)</u> , <u>Endometritis</u> , <u>Metritis</u> , <u>Poor conception</u> , <u>Retained afterbirth</u> , <u>Sheath Prolaps</u> , <u>Uterus prolaps</u> , <u>Vaginal (Cervical) prolaps</u>			
Climatical Cause	Cold exposure, Drought, Frozen to death			
Non specific diseases	Cause of death not established, Genetic disorders, Preditors, Sabotation/Theft, Trauma, Veld fires, other, Traumatic Reticulo-pericarditis			
Internal Parasites				
Roundworms in general		^		

Roundworms in general								<u>^</u>	
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.7 (3)	2.8 (5)		3.0 (3)	2.5 (11)	2.1 (10)	2.1 (10)	2.5 (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	2.0(1)			4	2.0 (4)	3.0 (2)		
Sheep	1.5 (2)	2.8 (4)	$3.0(3)$ $\begin{bmatrix} 2.5\\ (10) \end{bmatrix}$) 2	2.3 (3)	2.0 (5)	2.4 (5)	
Goat		3.0 (1)	2.0 (1)	2	2.0 (3)	1.7 (3)	3.0 (1)	

Mpumalanga

Balfour, Balfour Dierekliniek

Sheep: 1

Standerton, Econovet

Beef: 2, Sheep: 2

Gauteng

Bapsfontein, Bapsfontein Dierehospitaal

Sheep: 3, Goat: 3

Nigel, Nigel Diere Spreekkamer

Sheep: 3

Pretoria, Anima Veterinary Consulting Rooms

Sheen: 3

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Sheep: 2
North West

Christiana, Christiana Dierehospitaal

Sheep: 3

Stella, Stella Dierekliniek

Sheep: 3

Ventersdorp, Ventersdorp Dierekliniek

Sheep: 3

Free State Bethlehem, Union Street Animal Consulting Rooms

Sheep: 2

Clocolan, Clocolan Dierekliniek

Sheep: 2 **Dewetsdorp, Platkop Dierekliniek** Sheep: 2 **Excelsior, Weltevrede Dierekliniek** Sheep: 3 **Hoopstad, Hoopstad Dierekliniek** Sheep: 3 **Kroonstad, Kroonstad Dierehospitaal** Sheep: 3 **Parys, Parys Dierekliniek** Sheep: 2, Goat: 2 Viljoenskroon, Viljoenskroon Dierekliniek Sheep: 3 Villiers, Wilgepoort Veedienste Sheep: 3 Wesselsbron, Wesselsbron Dierekliniek Sheep: 2 Kwazulu-Natal Bergville, Tugela Vet Clinic Beef: 2, Sheep: 2, Goat: 2 **Mooi River, Mooirivier Vet Clinic** Beef: 2 **Mtubatuba, Mtubatuba Animal Clinic** Beef: 2, Goat: 2 Pietermaritzburg, Veterinary House Hospital Beef: 2 **Underberg, Underberg Veterinary Surgery** Sheep: 2, Goat: 2 **Vryheid, Vryheid Privaat Veeartse** Sheep: 3 **Eastern Cape Adelaide, Adelaide Veterinary Clinic** Beef: 3 High incidence of parasites in cattle running in the higher rainfall areas (Winterberg mountains) Aliwal North, Hertzogbrug Dierekliniek Sheep: 1 **Graaff-Reinet, Camdeboo Veterinary Clinic** Goat: 2 **Graaff-Reinet, Graaff Reinet Veterinary Clinic** Sheep: 3 Queenstown, AngloGold Eastern Cape Beef: 3 Steynsburg, Steynsburg Dierehospitaal Stutterheim, Stutterheim Veterinary Clinic Goat: 2 Goat weaners with mixed worm infestations, poor response to closantel. Changed to derquantel **Uitenhage, Uitenhage Dierehospitaal** Sheep: 1 **Witelsbos, Witelsbos Veterinary Consulting Rooms** Sheep: 2, Goat: 1 **Western Cape** Caledon, Caledon Dierekliniek

Sheep: 3, Goat: 3

Caledon, Overberg Veterinary Hospital

Sheep: 3									
	gerberg Dierel	nospitaal I	Darling						
Sheep: 2									
Heidelberg	(WC), Heidelb	erg Diere	kliniek						
Sheep: 2									
Malmesbury	Malmesbury, Malmesbury Dierehospitaal								
Sheep: 2									
Resistant	Round Wo	rms							_
Resistant	. Round Wo								_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average				3.0 (1)	2.3 (6)	1.0 (1)	2.0 (1)	1.0 (1)	
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Sheep				3.0 (1)	2.3 (6)	1.0 (1)		1.0 (1)	
Goat							2.0 (1)		
North West									
Christiana,	Christiana Die	rehospita	al						
Sheep: 3									
Free State									
Clocolan, Cl	ocolan Dierek	liniek							
Sheep: 1									
	/eltevrede Die	rekliniek							
Sheep: 3									
	loopstad Dier	ekliniek							
Sheep: 3									
	Kroonstad Die	rehospita	al						
Sheep: 2									
	land Dierehos	pitaal							
Sheep: 2									
	gepoort Veedi	enste							
Sheep: 3									
Kwazulu-Na		• _							
	ugela Vet Clini	IC							
Sheep: 1									
Eastern Cap		Votorina	ny Clinia						
Goat: 2									
Goat: 2 Western Cape									
Malmesbury, Malmesbury Dierehospitaal									
Sheep: 1	,, riaiiiicsbai y	J.C. C.103	Pitadi						
Wirewori	n								^
				Marth	Fue	W	F	West	NI a sabit same
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape

					2.5				
Average	2.0 (5)	2.0 (1)	1.7 (3)	2.7 (7)	2.5 (13)	2.3 (4)	2.3 (3)	2.0 (1)	3.0 (1)
					()				
	ortance scale: 1	= one case	e, 2 = more	e than one	e case bu	ut less than t	en and 3 =	more than :	10 cases
reported									
Beef				3.0(1)					
					2.5				
Sheep	2.0 (5)	2.0(1)	1.5 (2)	2.6 (5)	(13)	2.3 (4)	3.0 (1)	2.0(1)	3.0 (1)
_			2.0.(1)	2 0 (1)	(13)		2.0.(2)		
Goat			2.0 (1)	3.0(1)			2.0 (2)		
Mpumalang									
Ermelo, Môr	egloed Veter	inêre Spre	ekkamer						
Sheep: 2									
	looiplaas Vete	erinere Die	nste						
Sheep: 1									
	Longtom Die	rekliniek							
Sheep: 2									
	Pets Vet Hosp	pital							
Sheep: 2									
	ape Cross Vo	Iksrust Die	rehospita	al					
Sheep: 3									
Gauteng									
	pruit, Kerkst	raat Dierel	kliniek						
Sheep: 2									
Limpopo	Donalo Vatari	nami Cami							
	Bundu Veteri	nary Service	ces						
Sheep: 1	Diotorchura \	/otorinam.	Clinia						
	Pietersburg \	veterinary	Clinic						
Sheep: 2, Goo North West	ali Z								
	Sloemhof Dier	ekliniek							
Sheep: 3	noemmor bier	CKIIIICK							
Brits, Brits [Dierekliniek								
Sheep: 3, Go									
	om, Bult Dier	ekliniek							
Sheep: 2	J, 2 a 2 1 G.								
	, Bergbos Die	rekliniek							
Sheep: 2									
	a Dierekliniek	<u> </u>							
Beef: 3									
Vryburg, Vr	yburg Diereho	ospitaal							
Sheep: 3									
Free State									
	ocolan Dierek	kliniek							
Sheep: 2									
	eltevrede Die	erekliniek							
Sheep: 3	_								
	Oosvrystaat D	iere Produ	kte						
Sheep: 3	1.6								
	rankfort Dier	ekliniek							
Sheep: 3									
	loopstad Dier	ekliniek							
Sheep: 3									

Unametral M	/amaaldaring	Dioroklini	a le						
	Cameeldoring	Dierekiini	ek						
Sheep: 2			_ •						
	Kroonstad Die	renospita	aı						
Sheep: 3		Clinia							
	nel Veterinary	Clinic							
Sheep: 1	D 1-C1-								
	Rowelsfonteir	veearts s	preekkan	ner					
Sheep: 2									
	land Dierehos	pitaal							
Sheep: 2									
	gepoort Veedi	enste							
Sheep: 3		. D'							
	n, Wesselsbro	n Dierekli	niek						
Sheep: 2									
	inburg Dierek	liniek							
Sheep: 3	1								
Kwazulu-Na		141.							
	dumeni Herd l	nealth							
Sheep: 2	0 \/ - 1 1 0								
	G.Veterinary S	ervices							
Sheep: 2	- C (11	-11							
	a few flocks mo								
-	Mtubatuba Ar	nimai Ciin	IC						
Sheep: 2	-b Vatarin	ame Uassaa	. Usanital						
	zburg, Veterin	ary nouse	поѕрітаі						
Sheep: 3	.								
Eastern Cap		ami Clinia							
	adock Veterin	ary Clinic							
Sheep: 3 Severe infest	ation								
	et, Camdeboo	Votorinar	v Clinic						
Goat: 2	et, Callideboo	Vetermai	y Cillic						
	Kowie Veterir	any Clinic							
Goat: 2	KOWIE VELEIII	iai y Cilliic							
	goats, Bathurst								
Western Ca									
	erberg Veteri	nary Hosn	ital						
Sheep: 2	reiberg vetern	nai y 1103p	itai						
Northern Ca	no								
	Karoo Veterina	rv Hosnit	al						
Sheep: 3	Nai oo vetei iiit	iry mospic	uı						
энсер. э									
Brown st	omach-wor	m							^
				North	Free	Kwazulu-	Eastern	Western	Northern
PROVINCE	Mpumalanga	Gauteng	Limpopo	West	State		Cape	Cape	Cape
Average							2.0 (1)	1.5 (2)	
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Sheep								1.5 (2)	
Goat							2.0 (1)		
Eastern Cap	ne .								
_astern cap									

	et, Camdeboo	Veterina	ry Clinic						
Goat: 2 Western Ca									
Heidelberg Sheep: 2	(WC), Heidelb	erg Diere	kliniek						
Stellenbosc	h, Stellenbosc	h Animal	Hospital						
Sheep: 1									
Nodular v	worm								_
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 one	e case b	ut less than to	en and 3 =	more than	10 cases
Sheep				2.0(1)					
North West									
	yburg Diereho	spitaal							
Sheep: 2									
Eye worn	n (Thelazia	rhodesii)						_
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 one	e case b	ut less than to	en and 3 =	more than	10 cases
Beef					2.0 (1)				
Free State									
Winburg, W Beef: 2	inburg Dierek	liniek							
Tape Wo	rms								-
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	3.0 (1)	2.0 (3)			1.8 (9)		1.5 (2)	2.0 (1)	
Level of imported	ortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than to	en and 3 =	more than	10 cases
					1.0				

Sheep	3.0 (1)	2.0 (3)			1.9 (7)			2.0 (1)	
Goat					2.0 (1)		2.0 (1)		
1pumalang	ja –								
Standerton	, Econovet								
heep: 3									
Sauteng									
	n, Bapsfontein	Dierehos	pitaal						
Sheep: 3									
Pretoria, A r Sheep: 2	nima Veterinar	y Consult	ing Rooms	5					
	yton Diereklini	ek							
Sheep: 1									
ree State									
	locolan Dierek	liniek							
Sheep: 2									
	Veltevrede Die	rekliniek							
Sheep: 3									
	Kroonstad Die	rehospita	al						
Sheep: 2									
	s Dierekliniek								
Sheep: 2, Go									
	land Dierehos	pitaal							
Sheep: 1									
	on, Viljoenskro	oon Diere	kliniek						
Sheep: 1									
	gepoort Veedi	enste							
Beef: 1, Shee									
Eastern Cap		\/ - L ¹	OI::						
	et, Camdeboo	veterinai	ry Clinic						
Goat: 2	AlaCald F	'h							
	n, AngloGold E	astern Ca	ape						
Beef: 1									
Western Ca	-	Diauahaa							
	y, Malmesbury	Dierenos	pitaai						
Sheep: 2									
Parafilar	ia								
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northerr Cape
Average		2.0 (1)	1.0 (2)			1.0 (1)			
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Beef		2.0 (1)	1.0 (2)			1.0(1)			
Gauteng									
	Panefontoin	Diorobos	nitaal						
Bapsfonteir	i, bapsiontein	DIELEHIUS	pitaai						
Bapsfonteir Beef: 2 Jimpopo	i, bapsiontein	Dicienos	pitaai						

Beef: 1									
	22 Farm Practi	ce							
Beef: 1									
Kwazulu-Na	ital								
Pietermarit	zburg, Veterin	ary House	Hospital						
Beef: 1	-	-	-						
Liver fluk	(e								
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Norther Cape
Average	1.8 (6)	1.5 (2)		1.0 (1)	2.0 (2)	1.8 (4)	3.0 (1)	2.4 (5)	
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Beef	1.6 (5)	1.5 (2)		1.0 (1)	3.0 (1)	1.8 (4)	3.0 (1)	2.5 (2)	
Dairy					- 			3.0 (1)	
Sheep	3.0 (1)				1.0 (1)			2.0 (2)	
Mpumalang	3					_			
	four Diereklin	iek							
Beef: 1									
Bethal, Beth	nal Diereklinie	k							
Beef: 1									
	Lydenburg Die	erespreek	kamer						
Beef: 2									
Standerton,									
Beef: 3, Shee									
	Cape Cross Vol	ksrust Die	erehospita	al					
Beef: 1									
Gauteng Panefontoin	, Bapsfontein	Diorobos	nitaal						
Beef: 2	i, bapsiontein	Dicicios	pitaai						
	ton Diereklini	iek							
Beef: 1	, 2 OMIII	J							
North West									
Ventersdor	, Ventersdorp	Diereklir	iek						
Beef: 1									
Free State									
	gepoort Veedi	enste							
Beef: 3, Shee									
Kwazulu-Na									
	Mooirivier Vet	t Clinic							
Beef: 1	National and the same	.i! Cl'							
	Mtubatuba Aı	nımai Clin	IC						
Beef: 1	Underberg Ve	torinary S	ilraon.						
Beef: 3	Underberg Ve	cermary S	urgery						
	whoid Drivaat \	/							

Vryheid, Vryheid Privaat VeeartseBeef: 2

F C	_								
Eastern Cap		·							
	n, AngloGold E	astern Ca	ipe						
Beef: 3									
Western Ca									
	erberg Veteri	nary Hosp	ital						
Sheep: 2									
	orge Animal H	ospital							
	/: 3, Sheep: 2								
	Dierehospitaa	al;							
Beef: 2									
Abattoir									
Conical F	lukes								<u>^</u>
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (2)				2.3 (3)	1.0 (1)			
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than to	en and 3 =	more than	10 cases
Beef	1.0 (2)				2.5 (2)	1.0 (1)			
Sheep					2.0 (1)				
Mpumalang	a								
	າal Diereklinie	k							
Beef: 1	2.0.0								
	Lydenburg Di	eresnreek	kamer						
Beef: 1	Lyacinbary Di	ci copi cci.	illamoi						
Free State									
	gepoort Veedi	enste							
Beef: 3, Shee		CIISCC							
	shoek Dierege	sondheid							
Beef: 2	Jici ege								
Kwazulu-Na	ital								
	Mooirivier Vet	t Clinic							
Beef: 1									
Cysticerc	osis								^
					_	17	F	144	N1 1
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 (3)	2.0 (2)
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than to	en and 3 =	more than	10 cases
Beef	2.0 (1)			2.0(1)				2.5 (2)	2.0(1)
Dairy					•			1.0 (1)	
Dan y								1.0 (1)	

Sheep 2.0 (1)

Goat 2.0 (1)

Mpumalanga

Lydenburg, Lydenburg Dierespreekkamer

Beef: 2, Goat: 2
North West

Vryburg, Vryburg Dierehospitaal

Beef: 2

Western Cape

George, George Animal Hospital

Beef: 2, Dairy: 1

Paarl, Paarl Dierehospitaal;

Beef: 3

Seen at abattoir

Northern Cape

Kimberley, Kimberley Dierekliniek

Beef: 2

Seen at abattoir

Postmasburg, Postmasburg Dierekliniek

Sheep: 2

External	Parasites								
Blue ticks	5								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.6 (7)	2.8 (4)	1.0 (3)	2.8 (6)	2.7 (15)	2.4 (8)	1.0 (1)	2.6 (8)	
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	2.6 (7)	2.8 (4)	1.0 (3)	2.8 (4)	2.6 (11)	2.4 (8)	1.0 (1)	2.5 (4)	
Dairy					3.0 (1)			2.8 (4)	
Sheep				3.0 (1)	3.0 (3)				
Goat				3.0 (1)					

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 2

Ermelo, Môregloed Veterinêre Spreekkamer

Beef: 3

Lydenburg, Lydenburg Dierespreekkamer

Beef: 2

Middelburg, Neil Fourie Veeartsenydienste

Beef: 3

Nelspruit, Nelspruit Animal Hospital

Beef: 2

Piet Retief, Pets Vet Hospital Beef: 3 **Standerton, Econovet** Beef: 3 Gauteng **Bapsfontein, Bapsfontein Dierehospitaal Bronkhorstspruit, Kerkstraat Dierekliniek** Beef: 3 Nigel, Nigel Diere Spreekkamer Beef: 3 Rayton, Rayton Dierekliniek Beef: 3 Limpopo **Mokopane, Bundu Veterinary Services Polokwane, Pietersburg Veterinary Clinic** Beef: 1 **Tzaneen, ZZ2 Farm Practice** Beef: 1 **North West Potchefstroom, Morvet** Beef: 2 Schweizer-Reneke, Buffeldoorn Dierekliniek SR Beef: 3, Sheep: 3, Goat: 3 Ventersdorp, Ventersdorp Dierekliniek Vryburg, Vryburg Dierehospitaal Beef: 3 Free State Ficksburg, Oosvrystaat Diere Produkte Beef: 3, Dairy: 3, Sheep: 3 Frankfort, Frankfort Dierekliniek Beef: 3 Hoopstad, Hoopstad Dierekliniek Beef: 3, Sheep: 3 Kroonstad, Kroonstad Dierehospitaal Beef: 3 **Memel, Memel Veterinary Clinic** Beef: 2 Oranjeville, Grasveld Kuddegesondheid Beef: 2 Viljoenskroon, Viljoenskroon Dierekliniek Beef: 3, Sheep: 3 Villiers, Wilgepoort Veedienste Beef: 2 Vrede, Saulshoek Dieregesondheid. Beef: 2 **Warden, Warden Dierekliniek** Beef: 3 Winburg, Winburg Dierekliniek Beef: 3 Kwazulu-Natal **Bergville, Bergville Veterinary Clinic**

Beef: 3

	ugela Vet Clini	c							
Beef: 1	d	1. .							
Beef: 3	dumeni Herd l	neaith							
	G.Veterinary S	onvisos							
Beef: 3	G. vetermary 5	ei vices							
	dens despite fro	ct							
	Mooirivier Vet								
Beef: 2	MOOIIIVIEI VE	Cillic							
	zburg, Veterin	ary House	- Hospital						
Beef: 2	Lburg, veterm	ury mouse	o mospitar						
	Underberg Ve	terinary S	Surgery						
Beef: 2			<i>J</i> . <i>I</i>						
Vryheid, Vr	yheid Privaat \	/eeartse							
Beef: 3									
Eastern Cap	e								
	Alexandria Pla	atteland S	Spreekkan	ner					
Beef: 1									
Western Ca	-								
	orge Animal H	ospital							
Beef: 3, Dair									
	orge Herd Hea	th Consul	t						
Dairy: 3	(MC) 11-1-1-11-	D :							
	(WC), Heidelb	erg Diere	KIINIEK						
Beef: 2, Dairy	y:∠ h, Stellenbosc	h Animal	Hoonital						
Beef: 2	ii, Stellelibosc	II Allilliai	поѕрітаі						
Swallandan	mehnallaw2 n	Dierohos	nitaal						
	n, Swellendam	Dierehos	pitaal						
Beef: 3, Dain	y: 3	Dierehos	spitaal						
Beef: 3, Dain		Dierehos	spitaal						_
Beef: 3, Dain	y: 3 t blue Ticks			North	Eroo	Kwazulu -	Factorn	Wastern	Northern
Beef: 3, Dain	y: 3			North West		Kwazulu- Natal	Eastern Cape	Western Cape	^ Northern Cape
Beef: 3, Dain	y: 3 t blue Ticks				State				
Beef: 3, Dain	y: 3 t blue Ticks				State 2.0				
Resistant PROVINCE	y: 3 t blue Ticks				State	Natal		Cape	
Resistant PROVINCE Average	y: 3 t blue Ticks Mpumalanga	Gauteng	Limpopo	West	2.0 (3)	1.0 (1)	Cape	2.0 (1)	Саре
Resistant PROVINCE Average	y: 3 t blue Ticks	Gauteng	Limpopo	West	2.0 (3)	1.0 (1)	Cape	2.0 (1)	Саре
Resistant PROVINCE Average Level of impo	y: 3 t blue Ticks Mpumalanga	Gauteng	Limpopo	West	2.0 (3)	1.0 (1)	Cape	2.0 (1)	Саре
Resistant PROVINCE Average Level of impo	y: 3 t blue Ticks Mpumalanga	Gauteng	Limpopo	West	2.0 (3) see case b	1.0 (1) out less than t	Cape	2.0 (1)	Саре
Resistant PROVINCE Average Level of imporeported	y: 3 t blue Ticks Mpumalanga	Gauteng	Limpopo	West	2.0 (3)	1.0 (1)	Cape	2.0 (1)	Саре
Resistant PROVINCE Average Level of imporeported	y: 3 t blue Ticks Mpumalanga	Gauteng	Limpopo	West	2.0 (3) see case b	1.0 (1) out less than t	Cape	2.0 (1)	Саре
Resistant PROVINCE Average Level of impreported Beef	y: 3 t blue Ticks Mpumalanga	Gauteng	Limpopo	West	2.0 (3) see case b	1.0 (1) out less than t	Cape	Cape 2.0 (1) more than	Саре
Resistant PROVINCE Average Level of imported Beef Dairy Free State	y: 3 t blue Ticks Mpumalanga	Gauteng = one case	Limpopo e, 2 = more	West	2.0 (3) see case b	1.0 (1) out less than t	Cape	Cape 2.0 (1) more than	Саре
Resistant PROVINCE Average Level of impreported Beef Dairy Free State Oranjeville, Beef: 1	y: 3 t blue Ticks Mpumalanga ortance scale: 1 Grasveld Kud	Gauteng = one case degesond	Limpopo e, 2 = more	West	2.0 (3) see case b	1.0 (1) out less than t	Cape	Cape 2.0 (1) more than	Саре
Resistant PROVINCE Average Level of impreported Beef Dairy Free State Oranjeville, Beef: 1	y: 3 t blue Ticks Mpumalanga ortance scale: 1	Gauteng = one case degesond	Limpopo e, 2 = more	West	2.0 (3) see case b	1.0 (1) out less than t	Cape	Cape 2.0 (1) more than	Саре
Resistant PROVINCE Average Level of impreported Beef Dairy Free State Oranjeville, Beef: 1 Villiers, Will Beef: 2	y: 3 t blue Ticks Mpumalanga ortance scale: 1 Grasveld Kud gepoort Veedi	Gauteng = one case degesond enste	Limpopo e, 2 = more	West	2.0 (3) see case b	1.0 (1) out less than t	Cape	Cape 2.0 (1) more than	Саре
Resistant PROVINCE Average Level of imporeported Beef Dairy Free State Oranjeville, Beef: 1 Villiers, Will Beef: 2 Winburg, W	y: 3 t blue Ticks Mpumalanga ortance scale: 1 Grasveld Kud	Gauteng = one case degesond enste	Limpopo e, 2 = more	West	2.0 (3) see case b	1.0 (1) out less than t	Cape	Cape 2.0 (1) more than	Саре
Resistant PROVINCE Average Level of imporeported Beef Dairy Free State Oranjeville, Beef: 1 Villiers, Will Beef: 2 Winburg, W Beef: 3	y: 3 t blue Ticks Mpumalanga ortance scale: 1 Grasveld Kud gepoort Veedi	Gauteng = one case degesond enste	Limpopo e, 2 = more	West	2.0 (3) see case b	1.0 (1) out less than t	Cape	Cape 2.0 (1) more than	Саре
Resistant PROVINCE Average Level of imporeported Beef Dairy Free State Oranjeville, Beef: 1 Villiers, Williers, Willie	y: 3 t blue Ticks Mpumalanga ortance scale: 1 Grasveld Kud gepoort Veedi inburg Dierek	Gauteng = one case degesond enste liniek	Limpopo e, 2 = more	West	2.0 (3) see case b	1.0 (1) out less than t	Cape	Cape 2.0 (1) more than	Саре
Resistant PROVINCE Average Level of imporeported Beef Dairy Free State Oranjeville, Beef: 1 Villiers, Williers, Willie	y: 3 t blue Ticks Mpumalanga ortance scale: 1 Grasveld Kud gepoort Veedi	Gauteng = one case degesond enste liniek	Limpopo e, 2 = more	West	2.0 (3) see case b	1.0 (1) out less than t	Cape	Cape 2.0 (1) more than	Саре

Western Cape George, George Animal Hospital Dairy: 2 **Heartwater (Bont) ticks** North Free Kwazulu-Eastern Western Northern **PROVINCE Mpumalanga Gauteng Limpopo** West State Natal Cape Cape Cape 2.5(2)**Average** 1.5 (2) 2.0 (10) 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) 2.3 (6) 1.0(1) Sheep 1.5 (2) 1.5 (2)

Gauteng

Goat

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Rayton, Rayton Dierekliniek

Beef: 1

North West

Rustenburg, Bergbos Dierekliniek

Vryburg, Vryburg Dierehospitaal

Beef: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 3

Bergville, Tugela Vet Clinic

Beef: 2, Sheep: 2, Goat: 2

Dundee, Endumeni Herd health

Beef: 3

Mtubatuba, Mtubatuba Animal Clinic

Beef: 3

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Pongola, Pongola Animal Clinic

Beef: 1, Sheep: 1, Goat: 1

Eastern Cape

Queenstown, AngloGold Eastern Cape

Beef: 1

Brown ea	ır-ticks								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.7 (3)		1.0 (2)		1.5 (2)	1.5 (4)	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	2.7 (3)		1.0(1)		1.5	1.5 (4)	3.0 (1)		
Goat			1.0 (1)		(2)				
	_		1.0 (1)						
Mpumalang	a Longtom Dier	okliniok							
Beef: 3	Longton Diei	ekiiiiek							
Ear infection ((otitis)								
	Lydenburg Die	erespreek	kamer						
Beef: 2		o. 00 p. 00.							
	Pets Vet Hosp	ital							
Beef: 3	•								
impopo									
Mokopane, I	Bundu Veterin	ary Servi	ces						
Beef: 1, Goat	: 1								
Free State									
	gepoort Veedi	enste							
Beef: 1									
	inburg Dierek	liniek							
Beef: 2									
(wazulu-Na									
	ergville Veteri	nary Clini	С						
Beef: 2	N41111 A		• -						
Mtubatuba, Beef: 1	Mtubatuba Ar	nımaı Ciin	IC						
	ngola Animal	Clinic							
Beef: 1	nigola Allillai	Cillic							
	/heid Privaat \	/ooartso							
Beef: 2	ricia Filvaac (recarese							
Eastern Cap	ne .								
-	adock Veterin	arv Clinic							
Beef: 3		,							
in ears, imma	atures, severe ir	festation o	n a few fari	ns					
Bont-legg									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)	2.0 (2)		3.0 (2)	2.6 (9)	2.0 (1)	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	10 cases
Beef	1.0 (1)	2.0 (1)		3.0 (2)	2.5 (8)	2.0 (1)	1.0 (1)		
		2.0 (1)			3.0				
Sheep		2.0 (1)			(1)				
Sheep Mpumalang	a	2.0 (1)			(1)				

Gauteng Rayton, Rayton Dierekliniek

	_								
Beef: 2, Shee	•								
North West			•						
	Christiana Die	rehospita	al						
Beef: 3	D'								
Beef: 3	yburg Diereho	spitaai							
Free State		. . ! . .							
Beef: 3	rankfort Diere	ekiiniek							
	Joonstad Diam	aklimiak							
Beef: 3, Shee	Hoopstad Dier	ekiiiiek							
•	ب. ع Kroonstad Die	rohoenita							
Beef: 2	KIOOIIStau Die	renospita	aı						
	nel Veterinary	Clinic							
Beef: 2	ner vetermary	Cillic							
	s Dierekliniek								
Beef: 3									
	on, Viljoenskr	oon Diere	kliniek						
Beef: 2	o, ,								
	arden Dierekli	niek							
Beef: 3									
Winburg, W	inburg Dierek	liniek							
Beef: 2									
Kwazulu-Na	atal								
Bergville, B	ergville Veteri	nary Clini	С						
Beef: 2									
Eastern Cap	oe e								
Witelsbos, \	Witelsbos Vete	erinary Co	nsulting R	ooms					
Beef: 1									
Red-legg	ed ticks								^
Red-legg	ed ticks				_				<u>^</u>
	ed ticks Mpumalanga	Gauteng	Limpopo	North		Kwazulu-	Eastern		^ Northern
		Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
		Gauteng	Limpopo		State				
PROVINCE	Mpumalanga	Gauteng	Limpopo	West	State 2.8	Natal			
		Gauteng	Limpopo		State				
PROVINCE	Mpumalanga	Gauteng	Limpopo	West	State 2.8	Natal			
PROVINCE Average	Mpumalanga			West 3.0 (4)	2.8 (6)	Natal 3.0 (1)	Cape	Саре	Cape
PROVINCE Average Level of imporeported	Mpumalanga 1.5 (2) ortance scale: 1			3.0 (4)	2.8 (6)	3.0 (1) ut less than t	Cape	Саре	Cape
PROVINCE Average Level of impo	Mpumalanga			West 3.0 (4)	2.8 (6) e case b	Natal 3.0 (1)	Cape	Саре	Cape
PROVINCE Average Level of imporeported	Mpumalanga 1.5 (2) ortance scale: 1			3.0 (4)	2.8 (6) e case b 2.8 (5)	3.0 (1) ut less than t	Cape	Саре	Cape
PROVINCE Average Level of imporeported Beef	Mpumalanga 1.5 (2) ortance scale: 1			3.0 (4) than one 3.0 (2)	2.8 (6) e case b 2.8 (5) 3.0	3.0 (1) ut less than t	Cape	Саре	Cape
PROVINCE Average Level of imporeported	Mpumalanga 1.5 (2) ortance scale: 1			3.0 (4)	2.8 (6) 2.8 (5) 3.0	3.0 (1) ut less than t	Cape	Саре	Cape
PROVINCE Average Level of imporeported Beef	Mpumalanga 1.5 (2) ortance scale: 1			3.0 (4) 2 than one 3.0 (2) 3.0 (1)	2.8 (6) e case b 2.8 (5) 3.0	3.0 (1) ut less than t	Cape	Саре	Cape
PROVINCE Average Level of imporeported Beef Sheep Goat	Mpumalanga 1.5 (2) ortance scale: 1 1.5 (2)			3.0 (4) than one 3.0 (2)	2.8 (6) e case b 2.8 (5) 3.0	3.0 (1) ut less than t	Cape	Саре	Cape
PROVINCE Average Level of imporeported Beef Sheep Goat Mpumalang	Mpumalanga 1.5 (2) ortance scale: 1 1.5 (2)	= one case		3.0 (4) 2 than one 3.0 (2) 3.0 (1)	2.8 (6) e case b 2.8 (5) 3.0	3.0 (1) ut less than t	Cape	Саре	Cape
PROVINCE Average Level of impore reported Beef Sheep Goat Mpumalang Balfour, Bal	Mpumalanga 1.5 (2) ortance scale: 1 1.5 (2)	= one case		3.0 (4) 2 than one 3.0 (2) 3.0 (1)	2.8 (6) e case b 2.8 (5) 3.0	3.0 (1) ut less than t	Cape	Саре	Cape
PROVINCE Average Level of impore reported Beef Sheep Goat Mpumalang Balfour, Bal Beef: 1	Mpumalanga 1.5 (2) ortance scale: 1 1.5 (2) 1.5 (2)	= one case	e, 2 = more	3.0 (4) 2 than one 3.0 (2) 3.0 (1)	2.8 (6) e case b 2.8 (5) 3.0	3.0 (1) ut less than t	Cape	Саре	Cape
PROVINCE Average Level of impore reported Beef Sheep Goat Mpumalang Balfour, Bal Beef: 1 Lydenburg,	Mpumalanga 1.5 (2) ortance scale: 1 1.5 (2)	= one case	e, 2 = more	3.0 (4) 2 than one 3.0 (2) 3.0 (1)	2.8 (6) e case b 2.8 (5) 3.0	3.0 (1) ut less than t	Cape	Саре	Cape
PROVINCE Average Level of impore reported Beef Sheep Goat Mpumalang Balfour, Bal Beef: 1	Mpumalanga 1.5 (2) ortance scale: 1 1.5 (2) Ia Ifour Diereklin Lydenburg Di	= one case	e, 2 = more	3.0 (4) 2 than one 3.0 (2) 3.0 (1)	2.8 (6) e case b 2.8 (5) 3.0	3.0 (1) ut less than t	Cape	Саре	Cape
PROVINCE Average Level of impore reported Beef Sheep Goat Mpumalang Balfour, Balleef: 1 Lydenburg, Beef: 2 North West	Mpumalanga 1.5 (2) ortance scale: 1 1.5 (2) 1.5 (2)	= one case	e, 2 = more	3.0 (4) 2 than one 3.0 (2) 3.0 (1)	2.8 (6) e case b 2.8 (5) 3.0	3.0 (1) ut less than t	Cape	Саре	Cape
PROVINCE Average Level of impore reported Beef Sheep Goat Mpumalang Balfour, Bal Beef: 1 Lydenburg, Beef: 2 North West	Mpumalanga 1.5 (2) ortance scale: 1 1.5 (2) Ia Ifour Diereklin Lydenburg Di	= one case	e, 2 = more	3.0 (4) than one 3.0 (2) 3.0 (1)	2.8 (6) e case b 2.8 (5) 3.0	3.0 (1) ut less than t	Cape	Саре	Cape

	Reneke, Buffel	doorn Die	erekliniek	SR					
	ep: 3, Goat: 3								
Free State									
	loopstad Diere	ekliniek							
Beef: 3, Shee									
	nel Veterinary	Clinic							
Beef: 2									
	s Dierekliniek								
Beef: 3									
	on, Viljoenskro	oon Dierel	kliniek						
Beef: 3									
	arden Diereklii	niek							
Beef: 3									
Kwazulu-Na									
	Underberg Ve	terinary S	urgery						
Beef: 3									
Paralysis	ticks								4
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.0 (1)		2.0 (1)		3.0 (1)
Level of impo reported	ortance scale: 1	= one case	e, 2 = more	than on		ut less than t	en and 3 =	more than	10 cases
Beef					2.0 (1)				
Sheep							2.0 (1)		3.0 (1)
Free State									
Winburg, W	inburg Dierek	liniek							
Beef: 2									
Eastern Cap	e								
-	h, Hertzogbrug	Diereklii	niek						
Sheep: 2	,								
Northern Ca	ape								
	Karoo Veterina	arv Hospit	al						
Sheep: 3		<u> </u>							
	e (red lice)								2
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.5 (2)			1.3 (4)	
	ortanco coala. 1					ut loss than t	on and 2 =	maya than	10 casos
Level of imported	ortance scale: 1	= one case	e, 2 = more	tnan on	e case b	ut iess triair t	en and 5 –	more than	10 cases

Sheep					2.0 (1)			1.5 (2)	
Goat								1.0(1)	
Free State									
-	gepoort Veedi	enste							
Sheep: 2									
	inburg Dierek	liniek							
Beef: 3									
Western Ca									
	erberg Veterii	nary Hosp	ital						
Sheep: 2									
	y, Malmesbury	Dierehos	pitaal						
Sheep: 1									
Oudtshoorn	, Ostrimed								
Goat: 1									
	h, Stellenbosc	h Animal	Hospital						
Beef: 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 (3)			2.0 (1)	2.0 (1)
Level of impore	ortance scale: 1	= one case	e, 2 = more	e than on	e case b	ut less than t	en and 3 =	more than	10 cases
Beef					2.0 (1)				
Dairy								2.0(1)	
Sheep					2.0 (2)			(_)	
Goat					(-)				2.0 (1)
Free State									
Bultfontein	, Greylingsrust	Dierespr	eekkamer	•					
Sheep: 2									
Villiers, Wil	gepoort Veedi	enste							
Sheep: 2									
Vrede, Saulshoek Dieregesondheid.									
Beef: 2									
Western Cape									
Malmesbury, Malmesbury Dierehospitaal									
Dairy: 2									
Northern Ca	аре								
	rg, Postmasbu	rg Dierekl	iniek						
Goat: 2									
Scab mit	es								^

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 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					3.0 (1)				
Sheep									2.0 (1)
Free State									
	rankfort Diere	kliniek							
Beef: 3									
Northern Ca	ape Ivinia Veearts	kliniak							
Sheep: 2	ivilla vecalts	KIIIIIEK							
Mange M	ites								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (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 1	10 cases
Beef	1.0 (1)				3.0 (1)				
Sheep					2.0 (1)				
Mpumalang	a								
	four Diereklin	iek							
Beef: 1	2								
Sarcoptes spp Free State	J.								
Memel, Memel Veterinary Clinic									
Sheep: 2									
	inburg Dierek	liniek							
Beef: 3									
Nuisance Flies									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					3.0 (1)	2.0 (3)		2.0 (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) 2.0 (2)	2.0 (1)
Dairy		2.0 (3)
Sheep		2.0 (1)
Goat	2.0(1)	

Free State

Winburg, Winburg Dierekliniek

Beef: 3

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2, Goat: 2
Western Cape

George, George Herd Heath Consult

Dairy: 2

Malmesbury, Dr Otto Kriek

Dairy: 2

Can become a serious problem at times when stable flies' numbers escalate. Sadly it takes a long time to turn the tide once confronted with an outbreak

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2, Sheep: 2

Blowflies							^		
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average				2.0 (1)	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	2.0 (1) 2.5 (2)	2.0 (1)	
Sheep	2.5 (2)		

North West

Ventersdorp, Ventersdorp Dierekliniek

Beef: 2 Free State

Hoopstad, Hoopstad Dierekliniek

Sheep: 3

Parys, Parys Dierekliniek

Beef: 2

Villiers, Wilgepoort Veedienste

Sheep: 2

Winburg, Winburg Dierekliniek

Beef: 3

Western Ca	pe ı, Swellendam	Diorobos	nitaal									
Beef: 2	i, Swellellualli	Dierenos	pitaai									
Nasal bot	larvae								^			
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape			
Average	3.0 (1)				2.0 (3)			2.0 (1)				
evel of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than seported												
Sheep	3.0 (1)				2.0 (3)			2.0 (1)				
Mpumalang	a											
	Longtom Dier	ekliniek										
Sheep: 3												
Free State												
	and Dierehos	pitaal										
Sheep: 2												
	gepoort Veedi	enste										
Sheep: 2												
	n, Wesselsbro	n Dierekli	niek									
Sheep: 2												
Western Ca		N: - ! ! -	.1.									
Sheep: 2	est, Beaufort I	Jierekiinie	eK .									
sneep. z												
Midges									^			
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 to	en and 3 =	more than	10 cases			
Beef						2.0 (1)						
Kwazulu-Na												
Bergville, Be Beef: 2	ergville Veteri	nary Clini	С									
Mosquito	es								^			
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape			
Average					3.0	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	ortance scale. 1	- one case	2, Z – more	. criair orr	c case b	ut less triair t	en and 5 –	more triair .	to cases
Beef					3.0 (1)	2.0 (1)			
Beef: 3 Kwazulu-Na Bergville, B Beef: 2	ergville Veteri		С						
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)							1.0 (1)	
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than :	10 cases
Sheep	1.0(1)							1.0(1)	
Sheep: 1	ne Disease		pitaal						
	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.7 (6)	2.0 (1)		2.0 (2)	2.2 (6)	2.1 (9)	1.0 (1)	2.0 (8)	
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	1.7 (6)	2.0 (1)		2.0 (2)	2.2 (6)	2.2 (6)	1.0 (1)	1.8 (4)	
Dairy						2.0 (3)		2.3 (4)	
Mpumalang	а								

Balfour, Balfour Dierekliniek

Beef: 2

Grootvlei, Grootvlei Dierekliniek

Hendrina, Mooiplaas Veterinere Dienste

Beef: 2 Five cases Lydenburg, Longtom Dierekliniek Beef: 2 Piet Retief, Pets Vet Hospital **Volksrust, Cape Cross Volksrust Dierehospitaal** Beef: 1 Gauteng Magaliesburg, Magaliesburg; Dr Ryan Jeffrey Beef: 2 **North West** Leeudoringstad, Leeudoringstad Dierekliniek First time this disease diagnosed in the area, 3 animals died, blocked rest with dininazene. Adjacent to game farm. Ventersdorp, Ventersdorp Dierekliniek Beef: 2 **Free State** Frankfort, Frankfort Dierekliniek Beef: 3 **Parys, Parys Dierekliniek** Beef: 2 Reitz, Riemland Dierehospitaal Beef: 1 Villiers, Wilgepoort Veedienste Warden, Warden Dierekliniek Beef: 2 Winburg, Winburg Dierekliniek Beef: 3 Kwazulu-Natal **Bergville, Bergville Veterinary Clinic** Beef: 2 **Dundee, Endumeni Herd health** Beef: 2, Dairy: 2 **Estcourt, Estcourt Vet Clinic** Dairy: 2 **Kokstad, E.G.Veterinary Services** Dairy: 2 **Mooi River, Mooirivier Vet Clinic** Pietermaritzburg, Veterinary House Hospital Beef: 3 **Underberg, Underberg Veterinary Surgery** Beef: 2 **Vryheid, Vryheid Privaat Veeartse** Beef: 2 **Eastern Cape** Queenstown, Queenstown Veterinary clinic Beef: 1 **Western Cape** Caledon, Overberg Veterinary Hospital

Beef: 2, Dairy: 3

Beef: 1, Dairy: 2

Dairy: 2

George, George Animal Hospital

George, George Herd Heath Consult

Beef: 3	Wellington Di	erehospit											
Beef: 3	Weilington Di	ei ei iospic	aal										
Asiatic red													
	Asiatic red water												
PROVINCE I	Mpumalanga	Gauteng	Limpopo	North West	Free State		Eastern Cape	Western Cape	Northern Cape				
Average	2.0 (6)	2.3 (3)			2.0 (4)	1.8 (9)	2.0 (2)	3.0 (2)					
Level of impor	rtance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than to	en and 3 =	more than	10 cases				
Beef	2.0 (6)	2.3 (3)			2.0 (4)	1.7 (7)	2.0 (2)	3.0 (2)					
Dairy						2.0(2)							
Beef: 3 Hendrina, Mo Beef: 1 Piet Retief, P Beef: 2 Standerton, B Beef: 2 Volksrust, Ca Beef: 3 Gauteng Bronkhorsts Beef: 2 Magaliesburg Beef: 2 Nigel, Nigel I	egloed Veterinooiplaas Vete Pets Vet Hosp Econovet ape Cross Voll pruit, Kerkstra g, Magaliesbu Diere Spreekk	rinere Die ital ksrust Die aat Dierel irg; Dr Ry	enste erehospita kliniek										
Beef: 3	ankfort Diere												
Beef: 2	epoort Veedie												
Beef: 2													
Kwazulu-Nat	tal rgville Veterii	nam. Olie.											

Beef: 2 **Dundee, Endumeni Herd health** Beef: 2, Dairy: 2 **Eshowe, Eshowe Veterinary Hospital** Beef: 2 **Estcourt, Estcourt Vet Clinic** Dairy: 2 Pietermaritzburg, Veterinary House Hospital **Underberg, Underberg Veterinary Surgery** Beef: 2 Vryheid, Vryheid Privaat Veeartse Beef: 2 **Eastern Cape Alexandria, Riverview Trading Vet Consulting Services Port Alfred, Kowie Veterinary Clinic** Beef: 1 One case Port Alfred **Western Cape** Swellendam, Swellendam Dierehospitaal Beef: 3 Wellington, Wellington Dierehospitaal Beef: 3 **Anaplasmosis** Kwazulu- Eastern Western North Free Northern **PROVINCE Mpumalanga Gauteng Limpopo** West State Natal Cape Cape Cape 1.9 2.0(2)1.7 (3) 2.8(5)2.4 (7) 1.5 (2) 1.9 (7) 2.0(2)**Average** (16)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 (5) 2.0(2)1.7(3)1.5 (2) 1.5 (4) 2.0(2)**Beef** (13)1.7 **Dairy** 2.5 (2) 2.3(3)(3)Mpumalanga **Balfour, Balfour Dierekliniek** Beef: 2 **Ermelo, Môregloed Veterinere Spreekkamer** Beef: 2 Gauteng Nigel, Nigel Diere Spreekkamer **Pretoria, Anima Veterinary Consulting Rooms** Beef: 2 Rayton, Rayton Dierekliniek

Beef: 2 North West

Christiana, Christiana Dierehospitaal

Beef: 3 Leeudoringstad, Leeudoringstad Dierekliniek Beef: 3 **Potchefstroom, Morvet** Beef: 2 Schweizer-Reneke, Buffeldoorn Dierekliniek SR Beef: 3 Cattle brought in from the Eastern Cape **Ventersdorp, Ventersdorp Dierekliniek** Beef: 3 Free State Clocolan, Clocolan Dierekliniek **Excelsior, Weltevrede Dierekliniek** Beef: 2 Ficksburg, Oosvrystaat Diere Produkte Beef: 1 **Frankfort, Frankfort Dierekliniek** Beef: 2 **Hoopstad, Hoopstad Dierekliniek** Beef: 3 **Kroonstad, Kroonstad Dierehospitaal** Beef: 2, Dairy: 2 **Parys, Parys Dierekliniek** Beef: 2 Reitz, Riemland Dierehospitaal Dairy: 2 Senekal, Senekal Dierekliniek Viljoenskroon, Viljoenskroon Dierekliniek Beef: 3 Villiers, Wilgepoort Veedienste Beef: 2 Vrede, Saulshoek Dieregesondheid. Beef: 1 Warden, Warden Dierekliniek Beef: 2 Wesselsbron, Wesselsbron Dierekliniek Beef: 1 Winburg, Winburg Dierekliniek Beef: 3 Kwazulu-Natal **Bergville, Bergville Veterinary Clinic** Bergville, Tugela Vet Clinic Beef: 2 **Dundee, Endumeni Herd health** Dairy: 2 **Estcourt, Estcourt Vet Clinic** Dairy: 3 Pietermaritzburg, Veterinary House Hospital Beef: 3 **Underberg, Underberg Veterinary Surgery Vryheid, Vryheid Privaat Veeartse**

Beef: 3

In addition, farmers reported 25 cases

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Beef: 1

Aliwal North, Hertzogbrug Dierekliniek

Beef: 2

Western Cape

Caledon, Overberg Veterinary Hospital

Beef: 2

George, George Animal Hospital

Dairy: 2

Malmesbury, Bergzight Dierehospitaal

Beef: 1

Malmesbury, Dr Otto Kriek

Dairy: 3

Can become a serious problem at times when stable flies' numbers escalate. Sadly it takes a long time to turn the tide once confronted with an outbreak

Malmesbury, Malmesbury Dierehospitaal

Beef: 1, Dairy: 2

Wellington, Wellington Dierehospitaal

Beef: 2

Northern Cape

Kimberley, Kimberley Dierekliniek

Beef: 1

Kuruman, Kuruman Dierekliniek

Beef: 3

Heartwater										
PROVINCE	Mpumalanga	Gauteng	Limpopo		Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average	2.0 (1)	2.0 (1)	1.0 (1)	2.0 (2)		1.8 (8)	1.8 (6)			

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

Beef	2.0 (1)	1.0 (1) 2.0 (1)	2.0 (6)	1.3 (3)	
Sheep			1.0(1)	2.0 (1)	
Goat	2.0 (1	2.0 (1)	1.0(1)	2.5 (2)	

Mpumalanga

Piet Retief, Pets Vet Hospital

Beef: 2 Gauteng

Bapsfontein, Bapsfontein Dierehospitaal

Goat: 2 **Limpopo**

Tzaneen, ZZ2 Farm Practice

Beef: 1

North West

Brits, Brits Dierekliniek

Goat: 2

Rustenburg, Bergbos Dierekliniek

Beef: 2 Kwazulu-Natal Bergville, Bergville Veterinary Clinic **Dundee, Endumeni Herd health** Beef: 3 **Eshowe, Eshowe Veterinary Hospital** Beef: 2 Four cases Mtubatuba, Mtubatuba Animal Clinic Beef: 3 Pietermaritzburg, Veterinary House Hospital Beef: 1 Pongola, Pongola Animal Clinic Beef: 1, Sheep: 1, Goat: 1 **Eastern Cape Alexandria, Riverview Trading Vet Consulting Services** Beef: 2, Goat: 3 **Port Alfred, Kowie Veterinary Clinic** Beef: 1 One case Shaw Park Queenstown, AngloGold Eastern Cape Beef: 1 **Uitenhage, Uitenhage Dierehospitaal** Sheep: 2, Goat: 2 **Sweating Sickness** Kwazulu- Eastern Western Northern North Free **PROVINCE Mpumalanga Gauteng Limpopo** West State Natal Cape Cape Cape 2.0(1)1.0(1)**Average** Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Beef 2.0(1)1.0(1)**North West** Christiana, Christiana Dierehospitaal Beef: 2 **Northern Cape** Kimberley, Kimberley Dierekliniek Beef: 1 Calf **Theileriosis** North Free Kwazulu- Eastern Western Northern **PROVINCE Mpumalanga Gauteng Limpopo** 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

Beef 1.0(1)

Kwazulu-Natal

Pongola, Pongola Animal Clinic

	Insect Transmittable Diseases												
Lumpy skin disease													
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape				
Average				2.0 (1)	2.0 (5)	1.0 (2)		1.7 (3)	2.0 (2)				
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 creported													
Beef				2.0 (1)	2.0 (4)	1.0 (2)		2.0 (1)	2.0 (2)				
Dairy					2.0 (1)			1.5 (2)					

North West

Vryburg, Vryburg Dierehospitaal

Beef: 2

Free State

Clocolan, Clocolan Dierekliniek

Beef: 2, Dairy: 2

Villiers, Wilgepoort Veedienste

Wesselsbron, Wesselsbron Dierekliniek

Winburg, Winburg Dierekliniek

Beef: 2

Kwazulu-Natal

Mooi River, Mooirivier Vet Clinic

Pongola, Pongola Animal Clinic

Beef: 1

Western Cape

Caledon, Caledon Dierekliniek

Beef: 2, Dairy: 2

Malmesbury, Dr Otto Kriek

Dairy: 1

Northern Cape

Kathu, Kathu Dierekliniek

Beef: 2

Kuruman, Kuruman Dierekliniek

Beef: 2

Three-day-stiffsickness

				North	Free	Kwazulu-	Eastern	Western	Northern
PROVINCE	Mpumalanga	Gauteng	Limpopo	West	State		Cape	Cape	Cape
					1.8				
Average		1.7 (3)		2.5 (2)	(6)	2.3 (3)			
Level of impo	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
reported						1			
Beef		1.7 (3)		2.5 (2)	1.8 (5)	2.3 (3)			
Dairy					2.0 (1)				
Gauteng									
	n, Bapsfontein	Dierehos	pitaal						
Beef: 2	enruit Varketr	aat Diere	diniak						
Beef: 2	spruit, Kerkstr	aat Diere	Kiiniek						
	p, Veearts Net	werk							
Beef: 1	p, vecures nec	WCI K							
North West									
Christiana,	Christiana Die	rehospita	al						
Beef: 2		-							
Leeudoring	stad, Leeudori	ngstad Di	erekliniek						
Beef: 3									
Free State									
	ocolan Dierek	liniek							
Beef: 2, Dairy									
	Kroonstad Die	rehospita	al						
Beef: 1									
	gepoort Veedi	enste							
Beef: 2		. D'							
	n, Wesselsbro	n Dierekii	піек						
Beef: 2	inburg Dierek	liniak							
Beef: 2	ilibulg bleick	iiiiek							
Kwazulu-Na	atal								
	ergville Veteri	nary Clini	c.						
Beef: 2	o. griiio receii	,							
	dumeni Herd l	nealth							
Beef: 2									
	Mooirivier Vet	Clinic							
Beef: 3									

Blue tongue											
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Average	1.7 (3)	2.0 (1)		1.0 (1)	1.5 (4)		2.0 (1)	3.0 (2)	2.0 (3)		

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

reported									
Sheep	1.7 (3)	2.0 (1)		1.0 (1)	1.5 (4)		2.0 (1)	3.0 (2)	2.0 (3)
Mpumalang									
	ial Diereklinie	k							
Sheep: 2									
	Longtom Dier	ekliniek							
Sheep: 2									
	ape Cross Vol	ksrust Die	erehospita	al					
Sheep: 1									
Gauteng									
	, Bapsfontein	Dierehos	pitaal						
Sheep: 2									
North West									
	Christiana Die	rehospita	al						
Sheep: 1									
Free State									
	Kroonstad Die	rehospita	al						
Sheep: 1									
	gepoort Veedi	enste							
Sheep: 1									
	ırden Dierekliı	niek							
Sheep: 2									
	inburg Dierek	liniek							
Sheep: 2									
Eastern Cap									
	et, Graaff Reir	net Veterii	nary Clinic	3					
Sheep: 2									
Western Cap			•						
	est, Beaufort I	Diereklinie	ek						
Sheep: 3									
	est, Beaufort \	west State	e vet						
Sheep: 3		to the large services							
	aks in drought-s	tricken are	as						
Northern Ca	_								
Kimberley, \	vets4aii								
Sheep: 2	Da atuus a lees	D:	!!!!.						
	g, Postmasbu	rg Diereki	iniek						
Sheep: 2			• • • •						
	pington Veear	rtsenyklin	iek						
Sheep: 2		l	-1 6						
Distocias in D	orper ewes due	to abnorm	ial feusses,	due to bi	lue tong	ue			
Nagana									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape

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

Average

3.0 (1)

Beef						3.0 (1)			
Kwazulu-Na									
Mtubatuba, Beef: 3	Mtubatuba Ar	nimal Clin	ic						
Venerea	l Diseases								
Actinoba	cillus semin	is							^
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 to	en and 3 =	more than	10 cases
Beef					2.0 (1)				
Sheep					2.0 (1)				
Free State Winburg, W Beef: 2, Shee	linburg Dierek ep: 2	liniek							
Trichomo	nosis								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.4 (5)	1.5 (2)		2.0 (5)	1.9 (14)	1.3 (4)			
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than to	en and 3 =	more than	10 cases
Beef	2.4 (5)	1.5 (2)		2.0 (5)	1.9 (14)	1.3 (4)			
Mpumalang									
Bethal, Beth Beef: 2	nal Diereklinie	k							
	regloed Veteri	nêre Spre	ekkamer						
Beef: 3									
	irootvlei Diere	kliniek							
Beef: 2 Hendrina M	looiplaas Vete	rinere Die	nste						
Beef: 2	iooipidas vete	incle Die							
Standerton,	Econovet								
Beef: 3									
Gauteng Nigel, Nigel	Diere Spreekl	kamer							
Beef: 1	_ici c opi ceki								

Rayton, Rayton Dierekliniek Beef: 2 400 cows only 55% conception rate **North West** Klerksdorp, Klerksdorp Dierehospitaal Beef: 2 **Potchefstroom, Morvet** Beef: 1 Stella, Stella Dierekliniek Beef: 3 Vryburg, Molopo Dierekliniek Beef: 1 Vryburg, Vryburg Dierehospitaal Beef: 3 Free State **Bethlehem, Union Street Animal Consulting Rooms** Clocolan, Clocolan Dierekliniek Beef: 2 Ficksburg, Oosvrystaat Diere Produkte Beef: 1 **Frankfort, Frankfort Dierekliniek** Beef: 3 Hoopstad, Hoopstad Dierekliniek Beef: 3 **Hoopstad, Kameeldoring Dierekliniek** Beef: 2 **Kroonstad, Kroonstad Dierehospitaal** Beef: 3 **Memel, Memel Veterinary Clinic** Beef: 1 Oranjeville, Grasveld Kuddegesondheid Beef: 2 Viljoenskroon, Viljoenskroon Dierekliniek Beef: 1 Villiers, Wilgepoort Veedienste Beef: 3 Vrede, Saulshoek Dieregesondheid. Vrede, Vrede Dierehospitaal Beef: 1 One farm Warden, Warden Dierekliniek Beef: 2 Kwazulu-Natal **Bergville, Bergville Veterinary Clinic** Beef: 1 **Dundee, Endumeni Herd health Kokstad, E.G.Veterinary Services** Beef: 1

Positive bull, suspect the infection came from a neighbouring farm in the Transkei

Vryheid, Vryheid Privaat Veeartse

Beef: 1

Vibriosis									^	
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average	1.0 (1)	1.0 (1)		3.0 (2)	1.4 (5)				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	1.0 (1)	1.0 (1)		3.0 (2)	1.4 (5)				2.0 (1)	
Mpumalang										
	Longtom Dier	ekliniek								
Beef: 1 Positive on Po	~ D									
Gauteng	J.K.									
	ton Diereklini	ek								
Beef: 1	,									
North West										
Potchefstro	om, Morvet									
Beef: 3										
	a Dierekliniek									
Beef: 3										
Free State	ocolan Dierek	limials								
Beef: 2	ocoian Dierek	iiiiek								
	, Platkop Dier	ekliniek								
Beef: 1	, i lackop biel	Citimicit								
	(ameeldoring	Diereklini	ek							
Hoopstad, Kameeldoring Dierekliniek Beef: 2										
Viljoenskro	on, Viljoenskro	oon Diere	kliniek							
Beef: 1										
	gepoort Veedi	enste								
Beef: 1										
Northern Ca										

Pizzle disease										
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average				1.0 (1)	2.0 (2)			1.0 (1)	2.0 (1)	

. Kuruman, Kuruman Dierekliniek

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

Sheep	1.0 (1) 2.0 (2)	1.0 (1)	2.0 (1)	
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North West									
/ryburg, Vr	yburg Diereho	spitaal							
Sheep: 1		•							
ree State									
	arden Diereklii	niek							
Sheep: 1									
•	inburg Dierek	liniek							
Sheep: 3	iliburg Dicick	iiiick							
Nestern Ca	no								
	est, Beaufort \	Noct State	o Vot						
Sheep: 1	est, beautoit v	West State	e vet						
•	s cleared of the	disease 6 v	,00rc 2go D	id not be	n, in an	, rame or our			
		uisease o y	rears ago. D	יום ווטנ טנ	ıy III aliy	rains or ewe	:511		
Northern Ca	-	- C N	^						
	Staatsveeartse	e Groep N	C						
Sheep: 2									
Jpington									
Bacteria	l Disease (other)							
Q-Fever (Coxiella bu	rnetii <u>)</u>							
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northerr Cape
Average					1.0 (1)				
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Sheep					1.0 (1)				
Free State									
Vrede. Vred	e Dierehospita	aal							
Sheep: 1									
One outbreak	on a farm								
Blackqua	rter								
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northerr Cape
Average	2.0 (1)	2.0 (5)		1.0 (1)	2.0 (3)	2.0 (3)			1.7 (3)
Level of imported	ortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than to	en and 3 =	more than	10 cases
Beef	2.0 (1)	2.0 (4)		1.0 (1)	2.0 (3)	2.0 (3)			2.0 (2)
Goat		2.0 (1)							1.0 (1)
Mpumalang	a Longtom Dier								

Cautana									
Gauteng	. Dawafawtain	D:	!						
	, Bapsfontein	Dierenos	pitaai						
Beef: 2		D:	1.111.						
	spruit, Kerkstr	aat Diere	KIINIEK						
Beef: 1									
	p, Veearts Net	werk							
Beef: 3	D'	-1-							
	ton Diereklini	ек							
Beef: 2, Goat									
North West		-							
	Klerksdorp Di	erenospit	aaı						
Beef: 1									
Free State	la a mata d Diam	. . ! ! . .							
	loopstad Diere	ekiiniek							
Beef: 3	gepoort Veedi	oneto							
Beef: 1	gepoort veedi	enste							
	ordon Dioroklii	niok							
Beef: 2	arden Dierekli	пек							
Kwazulu-Na	stal								
		· Clinic							
Beef: 3	Mooirivier Vet	Cillic							
	zburg, Veterin	any Hause	. Hocnital						
Beef: 2	zburg, veteriii	ary nouse	: nospitai						
	Underberg Ve	tarinary S	Surgery						
Beef: 1	Oliderberg ve	termary S	our gery						
Northern Ca	ano								
	karoo Veterina	ny Hoenit	ıal						
Beef: 3	Karoo veterine	ily Hospit	,CII						
Weaner calve	PS								
	 Kimberley Die	rekliniek							
Beef: 1, Goat		· CKIIIIICK							
Botulism									^
PROVINCE	Mpumalanga	Gauteng	Limpono	North	Free	Kwazulu-	Eastern	Western	Northern
INOVINCE	ripamalanga	Guuteng	Limpopo	West	State	Natal	Cape	Cape	Cape
Average				1.7 (3)			1.0 (1)	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	10 cases
Beef				1.7 (3)			1.0(1)	1.0(1)	
North West				(-)			(-)	(-)	
	Bloemhof Diere	akliniak							
Beef: 1	Diociniioi Dici	CKIIIICK							
Cow									
	Christiana Die	rehosnita	al						
Beef: 1		Ciloopica	u .						
	yburg Diereho	spitaal							
Beef: 3	,	- p . see es							
Eastern Cap	ne e								
	 Uitenhage Die	rehosnita	al						
Beef: 1	one of the	. 555pita							
DCC11 1									

Western Ca _l Heidelberg (pe (WC), Heidelb	erg Dierel	kliniek						
Beef: 1									
Pulpy Kid	ney								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)	2.0 (1)		3.0 (2)	1.7 (6)	1.0 (1)	2.0 (2)	1.7 (3)	1.0 (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 I	10 cases
Sheep	1.0(1)			3.0 (2)	1.7 (6)	1.0 (1)	2.0 (2)	1.7 (3)	1.0(1)
Goat		2.0(1)							
Mpumalang	а								
	four Diereklini	iek							
Sheep: 1									
Gauteng									
Bronkhorsts	pruit, Kerkstr	aat Dierel	kliniek						
Goat: 2									
North West									
	loemhof Diere	ekliniek							
Sheep: 3									
	grazing in oat fi	eld							
	a Dierekliniek								
Sheep: 3 Free State									
	ocolan Dierek	liniak							
Sheep: 2	ocolali Dieleki	IIIICK							
	Kroonstad Die	rehospita	al						
Sheep: 1		. ссер							
	Grasveld Kud	degesond	heid						
Sheep: 2									
	on, Viljoenskro	on Dierel	kliniek						
Sheep: 1									
	ırden Dierekliı	niek							
Sheep: 2									
	n, Wesselsbro	n Dierekli	niek						
Sheep: 2 Kwazulu-Na	tal								
	taı dumeni Herd l	naalth							
Sheep: 1	admem nerd i	icaitii							
Eastern Cap	e								
		Veterinar	y Clinic						
Graaff-Reinet, Camdeboo Veterinary Clinic Sheep: 1									
Steynsburg, Steynsburg Dierehospitaal									
Sheep: 3	_								
Western Cape									
Caledon, Ov Sheep: 2	erberg Veterii	nary Hosp	ital						

Darling, Tyg Sheep: 1	jerberg Diereh	ospitaal l	Darling						
Malmesbury Sheep: 2	y, Malmesbury	Dierehos	pitaal						
Northern Ca Kimberley	ape Staatsveeartse	e Groep N	С						
Sheep: 1 Okiep									
	nead diseas	е							_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average		1.0 (2)			1.5 (2)	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	10 cases
Beef		1.0 (1)			1.5 (2)	1.0 (1)			
Goat		1.0(1)							
Beef: 2 Warden, Wa Beef: 1 Kwazulu-Na	land Dierehos arden Diereklii atal ergville Veteri	niek	С						_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State		Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)			2.0 (2)	2.0 (1)	1.0 (1)			
Level of imported	ortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than to	en and 3 =	more than	10 cases
Beef	2.0 (1)			2.0 (2)	2.0 (1)	1.0(1)			
Beef: 2 North West	looiplaas Vete								

	olopo Diereklir	niek							
Beef: 3									
Free State									
Kroonstad,	Kroonstad Die	rehospita	al						
Beef: 2									
Kwazulu-Na	ital								
Dundee, En	dumeni Herd l	nealth							
Beef: 1									
Blood gu	t (Sheen)								^
Dioou gu	i (oncep)								_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average		2.0 (1)			1.3 (3)	1.0 (1)	1.0 (1)	2.0 (1)	2.0 (1)
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Sheep		2.0 (1)			1.3 (3)	1.0(1)	1.0 (1)	2.0 (1)	2.0 (1)
Gauteng									
Nigel, Nigel	Diere Spreekl	kamer							
Sheep: 2	<u>-</u>								
Free State									
Oranieville,	Grasveld Kud	deaesond	heid						
Sheep: 2									
•	on, Viljoenskr	oon Diere	kliniek						
Sheep: 1	- , ,								
•	gepoort Veedi	enste							
Sheep: 1	, , , , , , , , , , , , , , , , , , ,								
Kwazulu-Na	ntal								
	dumeni Herd l	nealth							
Sheep: 1									
Eastern Cap	e								
-	Uitenhage Die	rehospita	al						
Sheep: 1									
Western Ca	pe								
	pe Jerberg Diereh	nospitaal I	Darling						
Sheep: 2	,	. Jop. wai i							
Northern Ca	ne								
	uruman Diere	kliniek							
Sheep: 2	araman bici c								
Tetanus									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average		2.0 (1)			1.5 (2)	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

reported									
Sheep		2.0 (1)			1.5 (2)	1.0 (1)	1.0 (1)		
Gauteng									
_	, Bapsfontein	Dierehos	pitaal						
Sheep: 2									
Free State									
Clocolan, Cl	ocolan Dierek	liniek							
Sheep: 1									
Reitz, Riem	land Dierehos	pitaal							
Sheep: 2									
Kwazulu-Na	atal								
Camperdow	n, Camperdov	wn Vet Cli	nic						
Sheep: 1									
Eastern Cap	е								
Graaff-Rein	et, Camdeboo	Veterina	y Clinic						
Sheep: 1									
Brucella	abortus								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average				2.3 (3)	2.3 (6)				2.0 (2)
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				2.3 (3)	2.3 (6)				2.0 (1)
Dairy									2.0(1)
North West									
	Klerksdorp Di	ierehospit	aal						
Beef: 3	т								
	a Dierekliniek								
Beef: 3									
Vryburg, Vr	yburg Prov Ve	t Laborate	ory						
Beef: 1									
A total of 4 h	erds, 428 anima	ıls tested. 1	Positive he	erd.					
Free State									
Excelsior , W	leltevrede Die	rekliniek							
Beef: 2									
Hoopstad, F	loopstad Dier	ekliniek							
Beef: 3									
Hoopstad, k	Cameeldoring	Diereklini	ek						
Beef: 3									
	Kroonstad Die	rehospita	al						
Beef: 2									
	gepoort Veedi	enste							
Beef: 3									
Vrede, Vred	e Dierehospita	aal							

	аре								
	Kimberley Die	rekliniek							
Beef: 2 Kimberley, '	Vots4all								
Dairy: 2	rees iuii								
Brucella	ovic								
Di ucella	UVIS								-
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northerr 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
Sheep							1.0(1)		
Eastern Cap	oe								
Graaff-Rein	et, Camdeboo	Veterina	y Clinic						
Sheep: 1									
Bovine T	uberculosis								
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 to	en and 3 =	more than	10 cases
n_:									
Dairy								1.0(1)	
Western Ca	pe							1.0 (1)	
Western Ca Paarl, Paarl	pe Dierehospitaa	al;						1.0 (1)	
Western Ca Paarl, Paarl Dairy: 1	Dierehospita	al;						1.0 (1)	
Western Ca Paarl, Paarl Dairy: 1 Confirmed at	Dierehospita Ondertepoort	al;						1.0 (1)	
Western Ca Paarl, Paarl Dairy: 1	Dierehospita Ondertepoort	al;						1.0 (1)	
Western Ca Paarl, Paarl Dairy: 1 Confirmed at Johne`s	Dierehospita Ondertepoort		Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	1.0 (1) Western	Northerr Cape
Western Ca Paarl, Paarl Dairy: 1 Confirmed at Johne`s	Dierehospitaa Ondertepoort disease		Limpopo					Western	
Western Ca Paarl, Paarl Dairy: 1 Confirmed at Johne`s PROVINCE Average	Dierehospitaa Ondertepoort disease	Gauteng		West	State	Natal	Cape	Western Cape 1.5 (2)	
Western Ca Paarl, Paarl Dairy: 1 Confirmed at Johne`s PROVINCE Average Level of imporeported	Dierehospitaa Ondertepoort disease Mpumalanga	Gauteng		West	State	Natal	Cape	Western Cape 1.5 (2)	Cape
Western Ca Paarl, Paarl Dairy: 1 Confirmed at Johne`s PROVINCE Average Level of impe	Ondertepoort disease Mpumalanga ortance scale: 1	Gauteng		West	State	Natal	Cape	Western Cape 1.5 (2) more than	Cape
Western Ca Paarl, Paarl Dairy: 1 Confirmed at Johne`s (PROVINCE Average Level of impore ported Sheep Western Ca	Ondertepoort disease Mpumalanga ortance scale: 1	Gauteng = one case	e, 2 = more	West	State	Natal	Cape	Western Cape 1.5 (2) more than	Cape

Septicaemia										
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average	1.0 (1)					2.0 (1)		2.0 (1)	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	
Beef	1.0(1)					2.0 (1)				
Dairy								2.0(1)		
Sheep									3.0 (1)	
Beef: 1 Kwazulu-Na Dundee, End Beef: 2 Western Ca Malmesbury Dairy: 2 Northern Ca	dumeni Herd I pe /, Malmesbury npe Ivinia Veearts	nealth Dierehos	pitaal							
E. coli									4	

E. coli									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)			2.5 (4)	2.4 (13)	1.7 (3)		2.0 (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	2.0 (1)	2.0 (2)	2.3 (4)	2.0 (2)		
Dairy			2.0 (1)		2.0 (3)	
Sheep		3.0 (2)	2.5 (8)	1.0(1)	2.0 (1)	2.0 (1)

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 2 North West

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 3, Sheep: 3

Leeudoringstad, Leeudoringstad Dierekliniek

Sheep: 3

Lambs									
	olopo Diereklir	niak							
Beef: 1	olopo Dierekili	ilek							
Free State									
	Crowlingsruck	h Diarasar	ookkamar						
	, Greylingsrust	t Dierespr	ееккатег						
Beef: 2, Shee		12							
	locolan Dierek	liniek							
	y: 2, Sheep: 2								
	Veltevrede Die	rekliniek							
Sheep: 3									
	Hoopstad Dier	ekliniek							
Beef: 3, Shee									
	Grasveld Kud	degesond	heid						
Sheep: 1									
	on, Viljoenskr	oon Diere	kliniek						
Beef: 3, Shee									
	gepoort Veedi	enste							
Sheep: 3									
Wesselsbro	n, Wesselsbro	n Dierekli	niek						
Sheep: 2									
Kwazulu-Na	atal								
Dundee, En	dumeni Herd l	health							
Beef: 1									
Mooi River,	Mooirivier Vet	t Clinic							
Sheep: 1									
	Underberg Ve	terinary S	Surgery						
Beef: 3			<u> </u>						
Western Ca	ne								
	est, Beaufort \	West State	e Vet						
Sheep: 2	est, Beaution	iicst stat							
	, about 3 month	s of age							
	iledon Dierekli								
Dairy: 3	iledoli Dierekii	iiiick							
	orge Herd Hea	th Consul	+						
Dairy: 2	orge neru nea	itii Coiisui	<u>.</u>						
	. D. Otto Kris	.l.							
	y, Dr Otto Krie	:K							
Dairy: 1									
Northern Ca									
	rg, Postmasbu	rg Dierek	liniek						
Sheep: 2									
Enzootic	Abortion								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average		2.0 (1)						1.0 (1)	2.0 (1)
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Sheep								1.0 (1)	2.0 (1)
Goat		2.0 (1)							
Gauteng									
	spruit, Kerkstr	aat Diere	kliniek						

Cash 2									
Goat: 2									
Western Ca									
	Wellington Di	erehospit	aal						
Sheep: 1									
ambs, one fl									
Northern Ca									
	uruman Diere	kliniek							
Sheep: 2									
Dermato	philosis (Lu	mpy Wo	ool)						^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)				2.4 (5)		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
Sheep	1.0 (1)				2.4 (5)		3.0 (1)	1.0 (1)	
Mpumalang	а								
Volksrust, C	ape Cross Vol	ksrust Die	erehospita	al					
Sheep: 1									
Free State									
Bultfontein,	Greylingsrust	: Dierespr	eekkamer						
Sheep: 2									
Clocolan, Cl	ocolan Dierek	liniek							
Sheep: 2									
Reitz, Riem	land Dierehos	pitaal							
Sheep: 2									
Warden, Wa	arden Dierekli	niek							
Sheep: 3									
Wesselsbro	n, Wesselsbro	n Dierekli	niek						
Sheep: 3	•								
Eastern Cap	e								
Cradock, Cr	adock Veterin	ary Clinic							
Sheep: 3									
Lambs, late ra	ains								
Western Ca	ре								
Beaufort Wo	est, Beaufort \	Nest State	e Vet						
Sheep: 1									
Communal ar	nimals								
Intrauter	ine Gangre	ne							^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average							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

Goat							2.0 (1)		2.0 (2)
Eastern Cap	е								
Graaff-Rein	et, Graaff Reii	net Veteri	nary Clinic	:					
Goat: 2									
Northern Ca									
	g, Postmasbu	rg Dierekl	liniek						
Goat: 2	nington Vocas	daamuldin	ialr						
Goat: 2	pington Veea	tsenykiin	IEK						
	rene, <i>Clostridiur</i>	n conticum	Poor goat	OMOC					
oterine gangi	erie, Ciostriaiai	п ѕерисит	, boer goat	ewes					
Bovine Do	ermatophilo	osis (Ser	ıkobo di	sease)					
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									
Beef						1.0(1)			
Kwazulu-Na	ıtal					1.0 (1)			
	Mtubatuba Ar	nimal Clin	ic						
Beef: 1	i-icabacaba Ai	iiiiai Ciiii	<u> </u>						
F - 11 1									
FUSIDACTE	erium necro	pnorum							<u> </u>
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.0 (2)			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								2.0(1)	
Dairy								2.0 (1)	
Sheep					2.0 (2)				
Free State									
	gepoort Veedi	enste							
Sheep: 2									
	n, Wesselsbro	n Dierekli	niek						
Sheep: 2									
Western Ca _l	pe _/ , Malmesbury	Dieroboo	nitaal						
Maimesbury Dairy: 2	, нашевригу	Dierelios	pitaal						
	Dierehospitaa	al:							
Beef: 2		,							
	is, abscesse in li	ver - abatt	oir inspectio	on					
			,						

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)	
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	10 cases
Beef							3.0 (1)	1.0(1)	
Eastern Cap	ne .							()	
Port Alfred, Beef: 3 Stapylococcu oranch woun	Kowie Vetering S and clostridial ds followed by contact the second seco	dermatitis	and vasculit		ases in a	a herd near Ba	athurst - su	spected cam	ne from tho
Western Ca	-								
Ceres, Cere : Beef: 1	s Veterinary H	ospitai							
Wooden jaw									
Pasteure	llosis								
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northerr Cape
Average				2.0 (1)	2.7 (6)	2.0 (2)	3.0 (1)	3.0 (1)	3.0 (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				2.0 (1)	2.5 (2)	2.0 (2)			
Sheep					2.8 (4)		3.0 (1)	3.0 (1)	
Goat									3.0 (1)
North West									
North West Bloemhof, E		ekliniek							
Bloemhof, E	Bloemhof Diero	ekliniek							
Bloemhof, E Beef: 2									
Bloemhof, E Beef: 2 <i>Pasteurella</i> se F ree State	Bloemhof Diero	ttle died							
Bloemhof, E Beef: 2 <i>Pasteurella</i> se Free State Clocolan, Cl	Bloemhof Dier	ttle died							
Bloemhof, E Beef: 2 Pasteurella se Free State Clocolan, Cl Sheep: 2	Bloemhof Diero epticaemia, 5 ca locolan Dierek	ttle died							
Bloemhof, E Beef: 2 Pasteurella se Free State Clocolan, Cl Sheep: 2 Villiers, Wil	Bloemhof Diero epticaemia, 5 ca locolan Dierek gepoort Veedi	ttle died							
Bloemhof, E Beef: 2 Pasteurella se Free State Clocolan, Cl Sheep: 2 Villiers, Wile Beef: 3, Shee	Bloemhof Diero epticaemia, 5 ca locolan Dierek gepoort Veedi ep: 3	ttle died liniek enste							
Bloemhof, E Beef: 2 Pasteurella se Free State Clocolan, Cl Bheep: 2 Villiers, Wild Beef: 3, Shee Vrede, Vred	Bloemhof Diero epticaemia, 5 ca locolan Dierek gepoort Veedi	ttle died liniek enste							
Bloemhof, E Beef: 2 Pasteurella se Free State Clocolan, Cl Sheep: 2 Villiers, Wild Beef: 3, Shee Vrede, Vred Sheep: 3	Bloemhof Diero epticaemia, 5 ca locolan Dierek gepoort Veedi ep: 3 le Dierehospita	ttle died liniek enste							
Bloemhof, E Beef: 2 Pasteurella se Free State Clocolan, Cl Sheep: 2 Villiers, Wile Beef: 3, Shee Vrede, Vred Sheep: 3 Confirmed or	Bloemhof Diero epticaemia, 5 ca locolan Dierek gepoort Veedi ep: 3 le Dierehospita	ttle died liniek enste							
Bloemhof, E Beef: 2 Pasteurella se Free State Clocolan, Cl Sheep: 2 Villiers, Wile Beef: 3, Shee Vrede, Vred Sheep: 3 Confirmed or	epticaemia, 5 ca locolan Dierek gepoort Veedi ep: 3 le Dierehospita n 2 farms arden Dierekli	ttle died liniek enste							

Beef: 2									
	dumeni Herd h	nealth							
Beef: 2									
Eastern Cap	е								
	, Stutterheim	Veterinar	y Clinic						
Sheep: 3	•								
· · · · · · · · · · · · · · · · · · ·	epticaemia, acut	e deaths							
Western Ca		c acatris							
	Piketberg Dier	ehospitaa	1						
Sheep: 3									
Lambs									
Northern Ca	аре								
Colesberg, I	Karoo Veterina	ary Hospit	al						
Goat: 3									
Klebsiella									^
Kiebsielia	:								
				North	Гиаа	Kwazulu-	Factous	Wastawa	Nouthous
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State		Eastern Cape	Western Cape	Northern Cape
				WEST	State	Ivacai	Cape	Cape	Саре
Average								2.0 (1)	
Average								2.0 (1)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Sheep								2.0(1)	
								2.0 (1)	
Western Ca		D !	- -						
Sheep: 2	(WC), Heidelb	erg Diere	Kiiniek						
Protozo a	al diseases	(other))						
Besnoitio	sis								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-	Eastern	Western	
					State	Natai	Cape	Cape	Northern Cape
Average				2.0 (1)		Natai	Cape		
Average Level of imporeported	ortance scale: 1	= one case	e, 2 = more				-	Саре	Cape
Level of impore	ortance scale: 1	= one case	e, 2 = more	than one	e case b		-	Саре	Cape
Level of imporeported Beef		= one case	e, 2 = more		e case b		-	Саре	Cape
Level of impore reported Beef North West			e, 2 = more	than one	e case b		-	Саре	Cape
Level of imporeported Beef North West Rustenburg			e, 2 = more	than one	e case b		-	Саре	Cape
Level of impore reported Beef North West	, Bergbos Dier		e, 2 = more	than one	e case b		-	Саре	Cape
Level of imporeported Beef North West Rustenburg Beef: 2 Coccidios	, Bergbos Dier	ekliniek		than one	e case b	ut less than to	-	Саре	Cape

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

Beef			1.0 (1)	2.0 (1)			1.0 (1)	
Dairy							2.0 (1)	
Sheep	2.5 (2)	2.0 (1)		2.3 (4)			2.5 (2)	
Goat					1.0(1)	2.0 (3)		2.0 (1)

Mpumalanga

Standerton, Econovet

Sheep: 2

Volksrust, Cape Cross Volksrust Dierehospitaal

Sheep: 3

Gauteng

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2
North West

Christiana, Christiana Dierehospitaal

Beef: 1
Free State

Clocolan, Clocolan Dierekliniek

Beef: 2

Kroonstad, Kroonstad Dierehospitaal

Sheep: 3

Oranjeville, Grasveld Kuddegesondheid

Sheep: 2

Reitz, Riemland Dierehospitaal

Sheep: 2

Villiers, Wilgepoort Veedienste

Sheep: 2

Kwazulu-Natal

Pongola, Pongola Animal Clinic

Goat: 1

Eastern Cape

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 2

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Goat: 2

Port Alfred, Kowie Veterinary Clinic

Goat: 2

Two cases in goats - Martindale

Western Cape

Darling, Tygerberg Dierehospitaal Darling

Sheep: 2

George, George Animal Hospital

Sheep: 3

George, George Herd Heath Consult

Dairy: 2

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1

Northern Cape

Kuruman, Kuruman Dierekliniek

Goat: 2									
Cryptosp	oridium								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average		1.5 (2)		3.0 (2)	2.1 (16)	2.5 (4)	3.0 (1)	2.4 (10)	
Level of imported	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		2.0 (1)		3.0 (1)	1.7 (3)	2.5 (2)		2.0 (1)	
Dairy					2.0 (2)	3.0 (1)		2.0 (4)	
Sheep		1.0 (1)		3.0 (1)	2.3 (11)	2.0 (1)	3.0 (1)	2.8 (5)	
Gauteng Magaliesbur									
Magaliesburg, Magaliesburg; Dr Ryan Jeffrey Beef: 2									
Pretoria, Anima Veterinary Consulting Rooms									
Sheep: 1									
North West									
Vryburg, Vryburg Dierehospitaal									
Beef: 3, Sheep: 3									
Free State									
Bultfontein,	Greylingsrust	Dierespr	eekkamer						
Sheep: 3									
Clocolan, Cl	ocolan Dierek	liniek							
Beef: 2, Dairy									
	eltevrede Die	rekliniek							
Sheep: 3									
	Oosvrystaat Di	ere Produ	kte						
Beef: 2, Shee									
	Kroonstad Die	rehospita	al						
Dairy: 2, Shee	•	dogooo	haid						
Sheep: 2	Grasveld Kud	ueyesona	neid						
	Dierekliniek								
Parys, Parys Sheep: 2	- DICIERIIIIEK								
	nekal Dierekli	niek							
Beef: 1, Shee									
	gepoort Veedi	enste							
Sheep: 2	, , , , , , , , , , , , , , , , , , , ,								
	shoek Dierege	sondheid							
Sheep: 1									
	n, Wesselsbro	n Dierekli	niek						
Sheep: 2									
Kwazulu-Natal									
	ergville Veteri	nary Clini	С						
Beef: 2									
Dundee, End	dumeni Herd h	nealth							

Beef: 3

Kokstad, E.G.Veterinary Services

Sheep: 2

Cryptosporidiosis outbreaks are decreasing. Think it is more to the fact that lambs are older.

Underberg, Underberg Veterinary Surgery

Dairy: 3

Eastern Cape

Cradock, Cradock Veterinary Clinic

Sheep: 3

Western Cape

Darling, Tygerberg Dierehospitaal Darling

Sheep: 3

George, George Herd Heath Consult

Dairy: 2

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 1, Sheep: 2

Malmesbury, Bergzight Dierehospitaal

Sheep: 3 Multiple herds.

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2, Sheep: 3

Swellendam, Swellendam Dierehospitaal

Dairy: 3

Wellington, Wellington Dierehospitaal

Sheep: 3

Sneep: 3									
Fungal d	liseases								
Ringworm									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	3.0 (1)	2.0 (1)	1.0 (1)	3.0 (2)	1.8 (5)	1.5 (2)		1.7 (3)	1.0 (1)
Level of impore	Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported								
Reef	3.0.(1)		1.0 (1)	3 () (2)	1.8	15(2)		1.5 (2)	1.0 (1)

Beef	3.0 (1)		1.0 (1)	3.0 (2)	1.8 (4)	1.5 (2)	1.5 (2)	1.0 (1)
Sheep		2.0 (1)			2.0 (1)		2.0 (1)	

Mpumalanga

Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 3

Gauteng

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2 Limpopo

Polokwane, Pietersburg Veterinary Clinic

Beef: 1
North West

Christiana, Christiana Dierehospitaal

Beef: 3									
Vryburg, Vr	yburg Diereho	spitaal							
Beef: 3									
Free State									
Bultfontein	, Greylingsrust	: Dierespr	eekkamer						
Sheep: 2									
	rankfort Diere	kliniek							
Beef: 2									
	Kroonstad Die	rehospita	al						
Beef: 2									
	mel Veterinary	Clinic							
Beef: 1									
	on, Viljoenskr	oon Diere	kliniek						
Beef: 2									
Kwazulu-Na									
	ergville Veteri	nary Clini	C						
Beef: 2			•						
	Mtubatuba Aı	nimal Clin	IC						
Beef: 1									
Western Ca									
Beef: 2	verberg Veteri	nary Hosp	itai						
	. Malmachum	Diarahaa	nitaal						
	y, Malmesbury	Dierenos	pitaai						
Sheep: 2	ch, Stellenbosc	h Animal	Hoenital						
Beef: 1	ii, Stellelibosc	II Allillal	поэрна						
Northern Ca	ane								
	Staatsveearts	a Groon N							
Beef: 1	Juans vecar is	с отоср и							
Loxton									
	seases (oth	er)							
BMC (sno	otsiekte)								<u>^</u>
DDOVINCE	Mpumalanga	Gautena	Limpono	North		Kwazulu-	Eastern	Western	Northern
PROVINCE	Mpullialaliya	Gauteng	шііроро	West	State	Natal	Cape	Cape	Cape
	2.0.(2)	1.0 (1)	2.0.(2)	2.5 (4)	1.7		1.0 (1)	1.0 (1)	1.0.(2)
Average	2.0 (3)	1.0 (1)	2.0 (2)	2.5 (4)	(3)		1.0 (1)	1.0 (1)	1.0 (2)
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
Da of	2.0.(2)	1.0.(1)	2.0.(2)	0.5 (4)	1.7		1.0.(1)	1.0 (1)	1.0.(2)
Beef	2.0 (3)	1.0(1)	2.0(2)	2.5 (4)	(2)		1.0(1)	1.0(1)	1.0(2)

Mpumalanga

Grootvlei, Grootvlei Dierekliniek

Beef: 1

Middelburg, Neil Fourie Veeartsenydienste

Beef: 2

Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 3

Gauteng

Pretoria, Anima Veterinary Consulting Rooms

Beef: 1										
Limpopo										
	Bundu Veterin	any Sanyi	roc							
Beef: 2	bulluu veteili	iai y Sei vii	CCS							
	Vaalwater Die	rocproakk	amor							
Beef: 2	vaaiwatei Die	i espi eekk	aiiiei							
Five cases North West										
	Manhadam Di	!: !								
Kierksdorp, Beef: 1	Klerksdorp Di	erenospit	aaı							
	-									
	udoringstad, Leeudoringstad Dierekliniek ·- ੨									
eef: 3										
Potchefstroom, Morvet										
Beef: 3		-1-4 DMC	-l+ CO	لدم:لد ماللد						
	nd sheep associa			attie alea						
	, Ventersdorp	Dierekiin	пек							
Beef: 3										
Free State	Ilmian Ct	Amirosia								
	Union Street	Animai Co	nsuiting R	kooms						
Beef: 1	Dieweldiete!									
	Dierekliniek									
Beef: 2										
	Iliers, Wilgepoort Veedienste									
Beef: 2										
Eastern Cape										
Queenstown, Queenstown Veterinary clinic										
Beef: 1										
Western Cape										
Beaufort West, Beaufort West State Vet										
Beef: 1										
	ated. Big farm w	here cattle	and sheep	graze to	gether.					
Northern Ca										
	Kimberley Die	rekliniek								
Beef: 1										
	Staatsveeartse	e Groep N	С							
Beef: 1										
Williston										
BVD (Bov	ine viral dia	arrhoea)							^	
PROVINCE	Mpumalanga	Gauteng	Limpopo	North	Free	Kwazulu-	Eastern	Western	Northern	
				West	State	Natal	Cape	Cape	Cape	
A		2.0 (1)			1.0	1.0 (1)				
Average		2.0 (1)			(1)	1.0 (1)				
Level of imported	ortance scale: 1	= one case	e, 2 = more	e than on	e case b	ut less than t	en and 3 =	more than	10 cases	
Beef		2.0 (1)			1.0 (1)	1.0(1)				
Gauteng										
	Manaliaaki									
Maganesbu	rg, maganesbi	ırg; Dr Rv	an Jeffrev	7						
Maganesbu Beef: 2	rg, Magaliesbu	ırg; Dr Ry	an Jeffrey							

Free State									
	gepoort Veedi	enste							
Beef: 1 Kwazulu-Na	tal .								
	Mooirivier Vet	Clinic							
Beef: 1									
IBR (Infe	ectious bovi	ne rhino	tracheit	is)					^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average		1.0 (1)				2.5 (2)		1.0(1)	
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Beef		1.0(1)				2.5 (2)		1.0(1)	
Gauteng									
Bapsfontein Beef: 1	, Bapsfontein	Dierehos	pitaal						
Kwazulu-Na	ital								
	ugela Vet Clini	c							
Beef: 2									
Beef: 3	zburg, Veterin	ary House	Hospital						
Western Ca	ne								
	Piketberg Dier	ehospitaa	l						
Beef: 1		•							
Nguni bull									
BRSV (Bo	vine respira	atory sy	ncytial v	irus)					^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average						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
Beef						3.0 (1)			
Kwazulu-Na	ıtal								
Pietermaritz Beef: 3	zburg, Veterin	ary House	Hospital						
PI3									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western 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

Poof						2 0 (1)					
Beef	1					3.0 (1)					
Kwazulu-Natal Pietermaritzburg, Veterinary House Hospital											
Beef: 3	zburg, veteriii	ary riouse	riospitai								
Enzootic	Bovine Leucosis (EBL)										
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Average					2.0 (1)	1.0 (1)		1.3 (4)			
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 1 reported											
Beef					2.0 (1)			1.0 (1)			
Dairy						1.0(1)		1.3 (3)			
Free State							<u> </u>				
	s Dierekliniek										
Beef: 2											
Kwazulu-Natal											
Underberg, Underberg Veterinary Surgery Dairy: 1											
Dairy: 1 Western Cape											
George, George Animal Hospital											
Dairy: 1											
Malmesbury, Dr Otto Kriek											
Dairy: 1 Paarl Paarl	Dierehospitaa	al•									
Dairy: 2	Dierenospitat	41,									
	h, Stellenbosc	h Animal	Hospital								
Beef: 1											
Orf									^		
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Average	2.0 (1)	1.0 (3)		2.5 (4)	2.7 (11)	1.7 (3)	1.0 (2)	1.4 (5)	2.0 (1)		
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported											
Sheep	2.0(1)	1.0 (3)		3.0 (1)	2.7	1.0 (1)	1.0 (1)	1.0 (3)			
	2.0 (1)	110 (0)			(9)	` '	` '	` ′			

Mpumalanga Lydenburg, Lydenburg Dierespreekkamer Sheep: 2 Gauteng **Bapsfontein, Bapsfontein Dierehospitaal** Sheep: 1 **Bronkhorstspruit, Kerkstraat Dierekliniek** Sheep: 1 **Pretoria, Anima Veterinary Consulting Rooms** Sheep: 1 **North West Brits, Brits Dierekliniek** Goat: 2 Christiana, Christiana Dierehospitaal Stella, Stella Dierekliniek Sheep: 3 Ventersdorp, Ventersdorp Dierekliniek Goat: 3 Free State **Excelsior, Weltevrede Dierekliniek** Sheep: 3 Frankfort, Frankfort Dierekliniek Hoopstad, Hoopstad Dierekliniek Sheep: 3 **Hoopstad, Kameeldoring Dierekliniek** Sheep: 3, Goat: 3 **Kroonstad, Kroonstad Dierehospitaal** Sheep: 3, Goat: 3 Oranjeville, Grasveld Kuddegesondheid Sheep: 3 Philippolis, Rowelsfontein veearts Spreekkamer Sheep: 2 Villiers, Wilgepoort Veedienste Sheep: 2 Wesselsbron, Wesselsbron Dierekliniek Sheep: 3 Kwazulu-Natal Pongola, Pongola Animal Clinic Goat: 1 **Underberg, Underberg Veterinary Surgery** Sheep: 1 **Vryheid, Vryheid Privaat Veeartse** Goat: 3 **Eastern Cape Graaff-Reinet, Camdeboo Veterinary Clinic** Goat: 1 **Graaff-Reinet, Graaff Reinet Veterinary Clinic** Sheep: 1 **Western Cape Beaufort West, Beaufort Dierekliniek** Heidelberg (WC), Heidelberg Dierekliniek

Sheep: 1

Oudtshoorn	Ostrimed										
Sheep: 1	Oudtshoorn, Ostrimed Sheen: 1										
Stellenbosch, Stellenbosch Animal Hospital											
Goat: 1											
Swellendam, Swellendam Dierehospitaal											
Goat: 3											
	Northern Cape										
Postmasburg, Postmasburg Dierekliniek											
Goat: 2											
Morte											
Warts											
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Average	2.0 (2)	1.0 (1)		2.0 (3)	2.1 (7)	1.5 (2)	1.0 (1)	1.0 (1)	2.7 (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 (2)	1.0(1)		2.0 (3)	2.0 (5)	1.5 (2)			2.5 (2)		
Dairy					2.0 (1)						
Sheep	3.0 (1)										
Goat							1.0(1)	1.0(1)	3.0 (1)		
Mpumalanga											
Lydenburg, Beef: 2	Lydenburg Di	erespreek	kamer								
	Pets Vet Hosn	ital									
Piet Retief, Pets Vet Hospital Beef: 2											
Gauteng											
Nigel, Nigel Diere Spreekkamer											
Beef: 1											
North West											
Brits, Brits I	Dierekliniek										
Beef: 2											
Christiana, Christiana Dierehospitaal Beef: 2											
Vryburg, Vryburg Dierehospitaal											
Beef: 2											
Free State											
	, Greylingsrust	t Dierespr	eekkamer								
Sheep: 3											
Frankfort, Frankfort Dierekliniek											
Beef: 3											
Hoopstad, Kameeldoring Dierekliniek											
Beef: 2 Kroonstad, Kroonstad Dierehospitaal											
Dairy: 2	kroonstaa Die	enospita	al								
•											
Oranjeville, Grasveld Kuddegesondheid											

Beef: 1	oon, Viljoenskro /arden Diereklii	oon Dierel	kliniek						
Beef: 1 Warden, W Beef: 2 Kwazulu-N Mtubatuba		Joil Dicici	XIIIICIX						
Warden, W Beef: 2 Kwazulu-N Mtubatuba	arden Dierekli								
Beef: 2 Kwazulu-N Mtubatuba	aruen Dierekin	niek							
Kwazulu-N Mtubatuba		IICK							
Mtubatuba	atal								
		simal Clin	ic						
	, Milubaluba Ai	IIIIIai Ciiii	iC .						
	yheid Privaat \	looartco							
Beef: 2	ylielu Pilvaat v	reeai ise							
Eastern Ca	no								
	Uitenhage Die	robocnita	ما						
Goat: 1	Oiteillage Die	Teriospica	aı						
Western Ca	ano.								
	ch, Stellenbosc	h Animal I	Hoenital						
Goat: 1	cii, Stellelibosc	ii Aiiiiiai	iiospitai						
Northern C	ane								
	Ape Kimberley Die	rekliniek							
Beef: 2	•								
	rus, seen at abat								
	Kuruman Diere	kliniek							
Beef: 3, Goa	t: 3								
Rota vir	JS								^
PROVINCE	. Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.0 (2)			2.0 (3)	
Level of impreported	oortance 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)				
Dairy								2.0 (3)	
Free State									
	, Greylingsrust	Dierespr	eekkamer						
Beef: 3		•							
Clocolan, C	locolan Dierek	liniek							
Beef: 1									
Western Ca	аре								
Caledon, C	aledon Dierekli	niek							
Dairy: 3									
George, Ge Dairy: 1	orge Herd Hea	th Consul	t						
	(WC), Heidelb	era Dierel	kliniek						
Dairy: 2	(110), Heidelb	c.y Dicie	CR						
Dali y . Z									
Corona \	/irus								_
PROVINCE	: Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape

Average					1.0 (1)			1.0 (1)	
Level of impore	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)	
Free State									
Clocolan, Cl Beef: 1	ocolan Dierek	liniek							
Western Ca	pe								
Malmesbury	y, Malmesbury	Dierehos	pitaal						
Dairy: 1									
Poisonin	igs (Plant)	and Fu	ngal						
Cardiac g	lycoside po	isoning							^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.5 (2)							2.0 (1)	
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Beef	1.5 (2)								
Sheep	. ,							2.0 (1)	
Mpumalang	ja								
	hal Diereklinie	k							
Beef: 1	regloed Veteri	nêre Snre	ekkamer						
Beef: 2	_								
Western Ca									
Sheep: 2	est, Beaufort \	west State	e vet						
	ff after rains in	certain area	as. Acute de	eaths, wt	storm or	tulip poisonii	ng??		
Cestrum	(ink berry)								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	3.0 (1)	2.0 (3)		3.0 (1)	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	3.0 (1)	2.0 (2)		3.0 (1)	2.0 (4)				
						•			

Sheep		2.0 (1)							
Mpumalang	a								
	regloed Veteri	nere Spre	ekkamer						
Beef: 3		-							
Gauteng									
Bronkhorsts	spruit, Kerkstr	aat Diere	kliniek						
Beef: 2, Shee	p: 2								
Rayton, Ray	rton Diereklini	iek							
Beef: 2									
North West									
Leeudorings	stad, Leeudori	ngstad Di	erekliniek						
Beef: 3									
Free State									
Bultfontein,	Greylingsrust	t Dierespr	eekkamer						
Beef: 2									
Hoopstad, F	loopstad Dier	ekliniek							
Beef: 3									
	land Dierehos	pitaal							
Beef: 2									
	on, Viljoenskr	oon Diere	kliniek						
Beef: 1									
Cymanch	<i>um</i> poisonir	No.							_
Cylialicii	<i>IIII</i> poisonii	ıg							_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average		!						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
Sheep								3.0(1)	
Western Ca	ne								
	n, Swellendam	Dierehos	nitaal						
Sheep: 3	i, Swellendam	Dicicios	pituui						
энсер. э									
Facial ecz	zema								^
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 impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Dairy								2.0 (1)	
Sheep					3.0 (1)				
Free State									
Warden, Wa	arden Dierekli	niek							
Sheep: 3									

Western Ca									
George, Ge o Dairy: 2	orge Herd Hea	th Consul	t						
Lantana									-
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	3.0 (1)	2.0 (1)	1.0(1)	1.0 (1)		2.0 (3)			
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	3.0 (1)	2.0(1)	1.0(1)	1.0(1)		2.0 (3)			
1pumalang	a	, ,				, ,			
	Pets Vet Hosp	ital							
Beef: 3									
Gauteng	ton Diereklini	ok							
Rayton, Kay Beef: 2	ton Dierekiini	CK							
impopo									
zaneen, Zz	Z2 Farm Practi	ce							
Beef: 1									
North West									
Kustenburg Beef: 1	, Bergbos Dier	ekiiniek							
wazulu-Na	atal								
	ergville Veteri	nary Clini	С						
Beef: 2		-							
	dumeni Herd l	nealth							
Beef: 2	havva Vatavina								
esnowe, esi Beef: 2	howe Veterina	гу поѕріт	aı						
Two cases									
Prussic a	cid poisonin	ıg							-
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					1.0 (1)			3.0 (1)	
Level of 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								3.0 (1)	
ree State									
	land Dierehos	pitaal							
Beef: 1									
Vestern Ca	pe								

Sheep: 3												
Tulip Pois	soning								_			
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape			
Average					3.0 (1)	3.0 (1)						
Level of imported												
3.0 (1) 3.0 (1)												
ree State												
/iljoenskroc Beef: 3	on, Viljoenskro	on Dierel	kliniek									
Kwazulu-Na	tal											
	ergville Veteri	nary Clini	С									
Beef: 3												
Mycotoxi	cosis								4			
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 to	en and 3 =	more than	10 cases			
Dairy								2.5 (2)				
Western Ca _l	pe											
	erberg Diereh	ospitaal [Darling									
Dairy: 3												
	, Malmesbury	Dierehos	pitaal									
Dairy: 2												
Diplodios	is								4			
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape			
Average						1.0 (1)						
Level of impore reported	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)						
(wazulu-Na	tal											
	ergville Veteri		_									

Other									4
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 reported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Beef	1.0(1)								
Sheep						2.0(1)			
Beef: 1 Brass tetany (wazulu-Na	looiplaas Vete atal stcourt Vet Clir		enste						
Datura									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northerr Cape
Average							1.0 (1)		
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Sheep							1.0(1)		
Eastern Cap	e						, ,	_	
	et, Camdeboo	Veterinar	y Clinic						
Sheep: 1									
Water co	ntaminatior	1							
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northerr Cape
Average								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
Sheep								3.0 (1)	
Western Ca									
C aledon, Ov Sheep: 3	erberg Veteri	nary Hosp	ital						
Urea Pois									

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)			1.0 (1)	2.3 (4)	2.0 (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)			1.0 (1)	2.5 (2)	2.0 (1)			
Sheep					2.0 (2)				
Beef: 1	a rootvlei Diere	kliniek							
Beef: 1	o, Ventersdorp	Diereklin	iek						
Beef: 2	/eltevrede Die								
Sheep: 3	on, Viljoenskro gepoort Veedi		kliniek						
Sheep: 1 Kwazulu-Na									
Snake Bit	:e								^
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 to	en and 3 =	more than	10 cases
Beef					1.0 (1)				
Sheep	1.0 (1)								
Sheep: 1	a Longtom Dier	ekliniek							
Mamba Free State									
cc state	loopstad Diere								

Blue-gree	en algae								^
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)				
Sheep								3.0 (1)	
Free State									
	Grasveld Kud	degesond	heid						
Beef: 2									
Western Ca	pe ⁄erberg Veteri:	nary Hoen	ital						
Sheep: 3	reibeig vetein	iiai y 1105p	ılaı						
Chemical	products								_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average				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				3.0(1)					
Dairy								1.0(1)	
North West									
	yburg Diereho	spitaal							
Beef: 3									
Western Ca	pe orge Herd Hea	th Concul	.						
Dairy: 1	orge neru nea	ui Coiisui	<u> </u>						
	toxicity n small	calves							
Other									^
	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
PROVINCE	paa.aga			WEST	State	Natai	Cupc	Cupc	Сирс
PROVINCE Average	1.0 (1)			West	1.0 (1)	Ivacai	Сирс	Сирс	Сирс

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)				
Mpumalang									
Bethal, Betl	nal Diereklinie	k							
Beef: 1									
	sis due to overe	eating of so	yas						
Free State									
Memel, Mer Beef: 1	nel Veterinary	Clinic							
	utritional F	Problem	15						
Energy d		Tobleii	<u>., </u>						
Lileigy u	enciency								-
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average		1.0 (1)		2.0 (1)	1.5 (4)	3.0 (3)	2.5 (2)	2.0 (3)	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		1.0 (1)		2.0 (1)	1.5 (2)	3.0 (2)	2.0 (1)	2.0 (1)	2.0 (1)
Dairy								2.0 (1)	
Sheep					1.5 (2)	3.0 (1)	3.0 (1)	2.0 (1)	
Gauteng									
	nderstepoort A	cademic	Hospital a	nd Prod	uction A	Animal Clini	С		
Beef: 1	<u> </u>		-						
PEM: Protein	Energy Malabso	rbtion							
North West									
	Reneke, Buffel	doorn Die	erekliniek	SR					
Beef: 2									
Free State									
	ocolan Dierek	liniek							
Sheep: 1									
	gepoort Veedi	enste							
Beef: 2, Shee									
•	shoek Dierege	sonaneia							
Beef: 1	, tal								
Kwazulu-Na Eshowo Esl		nı Ucanit	al .						
Esnowe, Es i Beef: 3	howe Veterina	ı y mospit	aı						
	of protein, ene	rav malaha	orbtion (DE	M)					
	Underberg Ve			111)					
Beef: 3	onderberg ve	Cermany S	ourgery						
	yheid Privaat \	/eeartse							
Sheep: 3	,	30a. 600							
Eastern Cap	e								
-	Alovandria Di	attaland C	`muoolelenu						

Alexandria, Alexandria Platteland Spreekkamer

Beef: 2

Graaff-Rein	et, Graaff Rei	net Veteri	nary Clinic	C					
Sheep: 3									
Western Ca	•								
	y, Malmesbury	Dierehos	pitaal						
	y: 2, Sheep: 2								
Northern Ca	-								
Postmasbur Beef: 2	rg, Postmasbu	rg Dierek	liniek						
beer. Z									
Protein d	eficiency								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average		1.0 (1)	1.0 (1)	2.0 (1)	1.5 (2)	2.0 (1)	2.0 (1)	2.0 (3)	2.0 (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	10 cases
Beef		1.0 (1)	1.0 (1)	2.0 (1)	1.0 (1)	2.0 (1)	2.0 (1)	2.0 (1)	2.0 (1)
Dairy								2.0 (1)	
Sheep					2.0 (1)			2.0 (1)	
Gauteng									
Pretoria, Or	nderstepoort A	cademic	Hospital a	nd Prod	uction A	Animal Clinic	С		
Beef: 1									
	Energy Malabso	rbtion							
Limpopo									
	Pietersburg V	eterinary	Clinic						
Beef: 1									
North West									
	Reneke, Buffel	iaoorn Die	erekliniek	SK					
Beef: 2									
Free State Villiers Wil	gepoort Veedi	onete							
Sheep: 2	gepoort veedi	CHISCE							
	shoek Dierege	sondheid	_						
Beef: 1	onock bierege	.Jonaneiu							
Kwazulu-Na	atal								
	Underberg Ve	terinary S	Surgery						
Beef: 2			J 1						
astern Cap	oe e								
	Alexandria Pla	atteland S	Spreekkan	ner					
Beef: 2									
Western Ca									
A 4 - 1 1	Malmachum	Dianakaa	mile el						

Malmesbury, Malmesbury Dierehospitaal

Postmasburg, Postmasburg Dierekliniek

Beef: 2, Dairy: 2, Sheep: 2

Northern Cape

Beef: 2

Phosphat	e deficienc	У							
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average			2.0 (1)	2.0 (1)	1.0 (1)		3.0 (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			2.0(1)	2.0(1)					2.0 (2)
Sheep					1.0 (1)		3.0 (1)		
Limpopo									
	Pietersburg V	eterinary	Clinic						
Beef: 2									
North West									
	Christiana Die	rehospita	al						
Beef: 2									
ree State									
	ocolan Dierek	liniek							
Sheep: 1									
astern Cap		\:! :	. I						
	, Steynsburg [Jierenospi	тааі						
Sheep: 3 Northern Ca									
	ipe Juruman Diere	kliniak							
Beef: 2	uruman biere	KIIIIICK							
	g, Postmasbu	ra Dierekl	iniek						
Beef: 2	g, i ostiliasba	ig Dicicki	IIIICK						
Calcium o	deficiency								_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.0 (2)	3.0 (1)	1.0 (1)	2.2 (5)	
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)	2.0 (1)	
Dairy						3.0 (1)		2.5 (2)	
Sheep					2.0 (2)			2.0 (2)	
Free State									
Bultfontein,	Greylingsrust	t Dierespr	eekkamer						
Sheep: 2									
	gepoort Veedi	enste							
Sheep: 2									

Kwazulu-Na	atal								
Underberg,	Underberg Ve	terinary S	Surgery						
Dairy: 3									
Eastern Cap	e								
Alexandria, Beef: 1	Alexandria Pla	atteland S	preekkam	er					
Western Ca	pe								
	erberg Veteri	nary Hosp	ital						
Dairy: 2									
Heidelberg	(WC), Heidelb	erg Diere	kliniek						
Sheep: 2									
	y, Malmesbury	Dierehos	pitaal						
Beef: 2, Dairy	y: 3, Sheep: 2								
Micro Nu	itritional P	roblem	S						
Copper d	eficiency								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					1.0 (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					1.0 (1)	3.0 (1)		_	
Dairy								1.0 (1)	
Free State									
Oranjeville,	Grasveld Kud	degesond	heid						
Beef: 1									
Kwazulu-Na									
	Underberg Ve	terinary S	urgery						
Beef: 3									
Western Ca	pe Jerberg Diereh	oenitaal I)arling						
Dairy: 1	gerberg bieren	iospitaai i	Janning						
	oi a mary								^
Zinc defic	ciency					1			
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average						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)			
Dairy								1.0 (1)	
Kwazulu-Na	atal								
Jnderberg,	Underberg Ve	terinary S	Surgery						

Beef: 3									
Western Ca	ре								
	Jerberg Dierel	nospitaal I	Darling						
Dairy: 1									
Selenium	deficiency								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average		2.0 (1)		3.0 (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						3.0 (1)			
Sheep		2.0(1)		3.0(1)					
Goat							1.0(1)		
Gauteng								•	
Pretoria, An	ima Veterinar	y Consult	ing Rooms	3					
Sheep: 2									
North West									
	Christiana Die	rehospita	al						
Sheep: 3									
Kwazulu-Na									
Beef: 3	Underberg Ve	terinary S	urgery						
Eastern Cap	Δ								
	et, Camdeboo	Veterina	ry Clinic						
Goat: 1	et, camaesoo	Veccima	y Cillic						
Vitamin A	A deficiency								_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average				3.0 (2)	2.7 (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				3.0 (1)	3.0 (1)				
Sheep				3.0 (1)	2.5 (2)				
North West									
Christiana,	Christiana Die	rehospita	al						
Beef: 3, Shee	ep: 3								
Free State									
	loopstad Dier	ekliniek							
Beef: 3, Shee		4000000	ha:d						
oranjeville,	Grasveld Kud	aegesona	пеіа						

Average Level of important reported Beef Sheep Goat Gauteng Nigel, Nigel Dier Beef: 1 North West Vryburg, Vryburg Goat: 1 Free State Bultfontein, Green Sheep: 3 Villiers, Wilgepon Sheep: 2 Warden, Warder Sheep: 2 Multi-factor Abortions PROVINCE Mpu	nce scale: 1 ere Spreek erg Diereho	Gauteng 1.0 (1) = one case 1.0 (1) kamer bspitaal t Dierespresienste iniek	e, 2 = more	1.0 (1)	(3) e case b 2.3 (3)		Eastern Cape en and 3 =	Western Cape more than 1	Northern Cape 10 cases
Average Level of important reported Beef Sheep Goat Gauteng Nigel Dier Beef: 1 North West /ryburg, Vryburg Goat: 1 Free State Bultfontein, Gree Sheep: 3 /illiers, Wilgepo Sheep: 2 Warden, Warder Sheep: 2 Multi-factor Abortions PROVINCE Mpu	ere Spreek oort Veedi	1.0 (1) 1 = one case 1.0 (1) 4 kamer 5 spitaal 5 Dierespresienste iniek	e, 2 = more	1.0 (1) e than one	2.3 (3) e case b 2.3 (3)	Natal	Cape	Cape	Cape
Level of important reported Beef Goat Gauteng Nigel, Nigel Dier Beef: 1 North West /ryburg, Vryburg Goat: 1 Free State Bultfontein, Gree Sheep: 3 /illiers, Wilgepo Sheep: 2 Warden, Warder Sheep: 2 Multi-factor Abortions PROVINCE Mpu	ere Spreek org Diereho eylingsrus	. = one case 1.0 (1) kamer ospitaal t Dierespreienste	eekkamer	1.0 (1)	(3) e case b 2.3 (3)	ut less than to	en and 3 =	more than I	10 cases
Reported Beef Boat Gauteng Nigel, Nigel Dier Beef: 1 North West Tryburg, Vryburg Goat: 1 Free State Bultfontein, Gree Sheep: 3 Tilliers, Wilgepo Sheep: 2 Warden, Warder Sheep: 2 Multi-factor Abortions PROVINCE Mpu	ere Spreek org Diereho eylingsrus	1.0 (1) kamer ospitaal t Dierespreienste	eekkamer	1.0 (1)	2.3 (3)	ut less than to	en and 3 =	more than :	10 cases
Sheep Goat Gauteng Nigel, Nigel Dier Beef: 1 North West /ryburg, Vryburg Goat: 1 Free State Bultfontein, Gree Sheep: 3 /illiers, Wilgepo Sheep: 2 Warden, Warder Sheep: 2 Multi-factor Abortions PROVINCE Mpu	eylingsrus	kamer ospitaal ot Dierespre ienste iniek			(3)				
Goat Gauteng Nigel, Nigel Dier Beef: 1 North West /ryburg, Vryburg Goat: 1 Free State Bultfontein, Gree Sheep: 3 /illiers, Wilgepo Sheep: 2 Warden, Warder Sheep: 2 Multi-factor Abortions PROVINCE Mpu	eylingsrus	ospitaal et Dierespr ienste iniek			(3)				
Gauteng Nigel, Nigel Dier Beef: 1 North West Vryburg, Vryburg Goat: 1 Free State Bultfontein, Gree Sheep: 3 Villiers, Wilgepo Sheep: 2 Warden, Warder Sheep: 2 Multi-factor Abortions PROVINCE Mpu	eylingsrus	ospitaal et Dierespr ienste iniek							
Nigel, Nigel Dier Beef: 1 North West Vryburg, Vryburg Goat: 1 Free State Bultfontein, Gre Sheep: 3 Villiers, Wilgepo Sheep: 2 Warden, Warder Sheep: 2 Multi-factor Abortions PROVINCE Mpu	eylingsrus	ospitaal et Dierespr ienste iniek							
	orial Dise	ease Co	nditions	5					
Average 2	oumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
	2.0 (1)	2.0 (2)	1.5 (2)		2.2 (13)	1.9 (8)		1.9 (9)	2.0 (1)
Level of importand reported	nce scale: 1	= one case	e, 2 = more	than on	e case b	ut less than to	en and 3 =	more than 1	10 cases
Beef		2.0 (1)	1.0 (1)		2.1 (7)	2.2 (6)		1.5 (2)	
Dairy								2.0 (6)	
					2.3	1.0(1)		2.0 (1)	2.0 (1)
Goat Mpumalanga	2.0 (1)	2.0 (1)	2.0 (1)		(6)	1.0 (1)		2.0 (1)	2.0(1)

Sheep: 2 Gautena **Bronkhorstspruit, Kerkstraat Dierekliniek Pretoria, Anima Veterinary Consulting Rooms** Goat: 2 Limpopo **Mokopane, Bundu Veterinary Services Tzaneen, ZZ2 Farm Practice** Beef: 1 **Free State Bultfontein, Greylingsrust Dierespreekkamer Excelsior, Weltevrede Dierekliniek** Sheep: 2 Hoopstad, Hoopstad Dierekliniek Beef: 3, Sheep: 3 Oranjeville, Grasveld Kuddegesondheid Beef: 2, Sheep: 2 Philippolis, Rowelsfontein veearts Spreekkamer Sheep: 1 Viljoenskroon, Viljoenskroon Dierekliniek Beef: 3, Sheep: 3 Villiers, Wilgepoort Veedienste Beef: 3, Sheep: 3 Vrede, Saulshoek Dieregesondheid. Beef: 1 Warden, Warden Dierekliniek Beef: 1 Kwazulu-Natal **Bergville, Bergville Veterinary Clinic** Beef: 2 Bergville, Tugela Vet Clinic Beef: 1, Sheep: 1, Goat: 1 **Dundee, Endumeni Herd health** Beef: 2 **Mooi River, Mooirivier Vet Clinic** Beef: 2 Pietermaritzburg, Veterinary House Hospital Beef: 3 **Underberg, Underberg Veterinary Surgery** Beef: 3 **Western Cape** Caledon, Overberg Veterinary Hospital **Darling, Tygerberg Dierehospitaal Darling** Dairy: 3 Malmesbury, Dr Otto Kriek Dairy: 1 **Malmesbury, Malmesbury Dierehospitaal** Beef: 2, Dairy: 3, Sheep: 2 Stellenbosch, Stellenbosch Animal Hospital Beef: 1, Dairy: 1 Swellendam, Swellendam Dierehospitaal

Dairy: 3									
Northern Ca		- C N	_						
	Staatsveeartse	e Groep N	C						
Sheep: 2 Mothibistad									
Motribistad									
Stillbirth	S								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average		1.0 (1)			2.2 (5)	2.0 (1)		1.8 (4)	
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)			2.0 (2)	2.0 (1)		2.0 (1)	
Dairy								1.5 (2)	
Sheep					2.3 (3)			2.0 (1)	
Gauteng									
	Diere Spreekl	kamer							
Beef: 1									
Free State									
	, Greylingsrust	t Dierespr	eekkamer						
Beef: 1									
	loopstad Diere	ekliniek							
Beef: 3, Shee									
	Rowelsfontein	veearts s	Spreekkan	ner					
Sheep: 2									
	n, Wesselsbro	n Dierekli	niek						
Sheep: 2									
Kwazulu-Na		en .							
	ergville Veteri	nary Ciini	С						
Beef: 2									
Western Ca		. D: l	!						
	y, Malmesbury y: 2, Sheep: 2	Dierenos	pitaai						
	h, Stellenbosc	h Animal	Hoenital						
Dairy: 1	ii, Stellelibosc	ii Aiiiiiai	i iospitai						
Daliy. 1									
Abscesse	S								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	3.0 (2)	1.5 (4)		2.7 (3)	1.9	1.8 (10)	2.5 (2)	2.0 (6)	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)	1.0 (1)	3.0 (1)	2.0 (3)	1.8 (6)		2.5 (2)	1.0 (1)
Dairy				1.0 (1)			1.7 (3)	
Sheep	3.0 (1)	2.0 (1)	2.5 (2)	2.0 (3)	2.0 (2)	2.5 (2)	2.0 (1)	
Goat		1.5 (2)			1.5 (2)			
Mpumaland	าล							

Hendrina, Mooiplaas Veterinere Dienste

Lydenburg, Longtom Dierekliniek

Sheep: 3

Interdigital abscesses; Corynebacterium abscesses, foot abscesses

Gauteng

Bronkhorstspruit, Kerkstraat Dierekliniek

Beef: 1

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2, Goat: 2

Rayton, Rayton Dierekliniek

Goat: 1 **North West**

Christiana, Christiana Dierehospitaal

Beef: 3, Sheep: 3

Vryburg, Vryburg Dierehospitaal

Sheep: 2 Free State

Bloemfontein, University Free State

Dairy: 1

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Villiers, Wilgepoort Veedienste

Beef: 2, Sheep: 2

Wesselsbron, Wesselsbron Dierekliniek

Beef: 1, Sheep: 1 Kwazulu-Natal

Dundee, Endumeni Herd health

Beef: 2, Sheep: 2

Eshowe, Eshowe Veterinary Hospital

Beef: 2

Mooi River, Mooirivier Vet Clinic

Beef: 2

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Pongola, Pongola Animal Clinic

Beef: 1, Goat: 1

Vryheid, Vryheid Privaat Veeartse

Beef: 2, Sheep: 2, Goat: 2

Eastern Cape

Cradock, Cradock Veterinary Clinic

Sheep: 3

Grass awns, huge problem

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 2

Western Ca		-							
	y, Dr Otto Krie	k							
Dairy: 1			•• •						
	y, Malmesbury	Dierenos	pitaai						
Dairy: 2, She		.1-							
Beef: 3	Dierehospitaa	ai <i>;</i>							
	n, Swellendam	Dioroboo	nitaal						
Beef: 2, Dairy		Dieleilos	pitaai						
Northern Ca									
	Kimberley Die	rekliniek							
Beef: 1	Killiberie, Die	CKIIIICK							
Bladder s	stones								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)				1.0 (5)				
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than :	10 cases
Beef					1.0 (2)				
Sheep	1.0 (1)				1.0 (3)				
Mpumalang	ia								
Bethal, Betl	hal Diereklinie	k							
Sheep: 1									
Free State									
	Dosvrystaat Di	ere Produ	ıkte						
Beef: 1									
	loopstad Diere	ekliniek							
Sheep: 1	/ d D:-		_1						
Beef: 1	Kroonstad Die	renospita	aı						
	Rowelsfonteir	vooarte (Sprookkan	nor					
Sheep: 1	Roweisionten	i vecaits :	preekkan	iici					
•	land Dierehos	pitaal							
Sheep: 1									
Blindness	5								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average				2.0 (1)	1.8 (4)		3.0 (2)	2.0 (1)	
Level of impo	ortance scale: 1	= one case	e. 2 = more	than on	e case h	ut less than t	en and 3 =	more than	IO cases

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

Doof					2.0		2.0 (1)		
Beef					(2)		3.0 (1)		
Sheep				2.0 (1)	1.5 (2)		3.0 (1)	2.0 (1)	
North West									
Brits, Brits	Dierekliniek								
Sheep: 2									
Free State									
Excelsior, W	Veltevrede Die	rekliniek							
Beef: 1									
Philippolis,	Rowelsfonteir	veearts :	Spreekkan	ner					
Sheep: 2									
	gepoort Veedi	enste							
Beef: 3									
	n, Wesselsbro	n Dierekli	niek						
Sheep: 1									
Eastern Cap									
	, Steynsburg D	Dierehosp	itaal						
Beef: 3, Shee									
Western Ca									
	erberg Veteri	nary Hosp	ital						
Sheep: 2									
Bloat									4
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)	1.0 (2)	1.0 (1)		2.3 (8)			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	1.0 (1)	1.0 (2)	1.0 (1)		1.8 (5)			1.5 (2)	
Dairy								3.0 (1)	
Sheep					3.0 (3)				
Mpumalang	ıa								
	irootvlei Diere	kliniek							
Beef: 1									
Gauteng									
	Diere Spreekl	kamer							
Beef: 1									
	nderstepoort A	cademic	Hospital a	nd Prod	uction A	Animal Clini	С		
Beef: 1	•								
Limpopo									
	Pietersburg V	eterinary	Clinic						
Beef: 1		•							
Free State									
Dewetsdorr	, Platkop Dier	okliniak							
	o, i lackop bici	ekiiiiek							

	Dosvrystaat Di	ere Produ	kte							
Beef: 2										
Rape in oesop										
•	Kroonstad Die	rehospita	al							
Sheep: 3										
	nel Veterinary	Clinic								
Beef: 1										
	gepoort Veedi	enste								
Beef: 2, Shee										
	arden Dierekli	niek								
Beef: 3, Shee										
Western Ca		D '								
	y, Malmesbury	Dierenos	pitaai							
Beef: 2, Dairy		l. A								
Beef: 1	h, Stellenbosc	n Animai i	Hospitai							
веет: 1										
Blue udd	er								^	
				1	1					
DDOVINCE	Maumalanga	Courtons	Limnono	North	Free	Kwazulu-	Eastern	Western	Northern	
PROVINCE	Mpumalanga	Gauteng	широро	West	State	Natal	Cape	Cape	Cape	
_	1.0 (1)				1.5			0.0 (5)	2.0 (1)	
Average	1.0 (1)				(4)			2.2 (5)	2.0 (1)	
					(.)					
Level of impo	Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases									
reported										
15										
1.5 (4) 2.3 (4) 2.0 (1)										
(4)										
Goat 2.0 (1)										
Mpumalang	а									
	Lydenburg Di	erespreek	kamer							
Sheep: 1										
Free State										
Bultfontein ,	Greylingsrust	Dierespr	eekkamer							
Sheep: 2	, ,									
	ocolan Dierek	liniek								
Sheep: 1										
Reitz, Riem	land Dierehos	pitaal								
Sheep: 2										
Wesselsbro	n, Wesselsbro	n Dierekli	niek							
Sheep: 1										
Western Ca										
	s Veterinary H	ospital								
Sheep: 2		p								
	orge Animal H	ospital								
Sheep: 1	- 54-1	.								
	y, Malmesbury	Dierehos	pitaal							
Sheep: 3	Nikatha Di	ahaan!+= -	1							
	Piketberg Dier	enospitaa								
Sheep: 3	uro: Mannhaimi	a haamali +	ica Ctanh	lococcus						
	ure: <i>Mannheimi.</i> Durban Straat									
worcester,	Dui Daii Straat	טופו פאווח	iek Molce	SLCI.						

Goat: 2									
Northern Ca	аре								
	Ipington Veea ı	rtsenyklin	iek						
Sheep: 2									
Blue udder in	Dorper ewes in	Kenhard d	listrict – ani	mals still	fed on v	veldt. Ewes la	mb at wate	er sources ar	nd fodder.
Diarrhoe	a								_
					_				
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (5)	2.0 (4)		2.6 (9)	2.8 (16)	2.4 (8)		2.5 (8)	
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	1.7 (3)	1.7 (3)		2.5 (4)	(5)	2.3 (4)		2.0 (2)	
Dairy					2.0 (1)	3.0 (1)		3.0 (3)	
Sheep	2.5 (2)	3.0 (1)		2.6 (5)	2.9 (10)	2.5 (2)		2.3 (3)	
Goat						2.0 (1)			
Mpumalang	a								
Balfour, Bal	four Diereklin	iek							
Beef: 2									
Bethal, Betl Beef: 1	nal Diereklinie	k							
	looiplaas Vete	rinôro Dic	neto						
Beef: 2	iooipiaas vete	illiele Die	HISLE						
Calves									
Sheep: 2									
Four cases									
Lydenburg,	Longtom Dier	ekliniek							
Sheep: 3									
	er harvesting								
Gauteng									
	, Bapsfontein	Dierehos	pitaal						
Beef: 3, Shee									
	spruit, Kerkstr	aat Diere	kliniek						
Beef: 1	rton Diovoldini	ale							
Rayton, Ray Beef: 1	ton Diereklini	EK							
Beer: 1 North West									
	Christiana Die	rehosnita	al						
Beef: 3, Shee		. c.iospica	u1						
	Klerksdorp Di	erehospit	aal						
Beef: 1, Shee									
	a Dierekliniek								
Poof: 2 Char									

Beef: 3, Sheep: 3
Ventersdorp, Ventersdorp Dierekliniek

Sheep: 3

Vryburg, Vryburg Dierehospitaal
Beef: 3, Sheep: 3
Free State
Bultfontein, Greylingsrust Dierespreekkamer
Beef: 3, Sheep: 3
Clocolan, Clocolan Dierekliniek
Beef: 2, Dairy: 2, Sheep: 3
Excelsior, Weltevrede Dierekliniek
Sheep: 3
·
Kroonstad, Kroonstad Dierehospitaal
Sheep: 3
Memel, Memel Veterinary Clinic
Beef: 2, Sheep: 3
Oranjeville, Grasveld Kuddegesondheid
Sheep: 2
Parys, Parys Dierekliniek
Sheep: 3
Viljoenskroon, Viljoenskroon Dierekliniek
Beef: 3, Sheep: 3
Villiers, Wilgepoort Veedienste
Beef: 3, Sheep: 3
Wesselsbron, Wesselsbron Dierekliniek
Sheep: 3
Kwazulu-Natal
Bergville, Bergville Veterinary Clinic
Beef: 2
Bergville, Tugela Vet Clinic
Beef: 2, Sheep: 2, Goat: 2
Dundee, Endumeni Herd health
Beef: 3
Mooi River, Mooirivier Vet Clinic
Beef: 2
Underberg, Underberg Veterinary Surgery
Dairy: 3
Vryheid, Vryheid Privaat Veeartse
Sheep: 3
Western Cape
Beaufort West, Beaufort Dierekliniek
Sheep: 2
Darling, Tygerberg Dierehospitaal Darling
Beef: 2
George, George Herd Heath Consult
Dairy: 3
Malmesbury, Malmesbury Dierehospitaal
Beef: 2, Dairy: 3, Sheep: 2
Oudtshoorn, Ostrimed
Sheep: 3
Lambs
Swellendam, Swellendam Dierehospitaal
Dairy: 3
Epididymitis

PROVINCE Mpumalanga Gauteng Limpopo

North Free Kwazulu- Eastern Western Northern

Cape

Cape

Cape

West State Natal

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)						
Free State											
	ırden Diereklii	niek									
Sheep: 2											
Eye Canc	er								^		
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Average	1.0 (1)	1.0 (1)			1.8 (4)	2.0 (1)	3.0 (1)	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	1.0										
Dairy 1.0 (1) 1.7 (3)											
Sheep 2.0 (1) 3.0 (1)											
Mpumalanga											
	ape Cross Vol	ksrust Die	rehospita	al							
Beef: 1 Gauteng											
	Diere Spreek	camer									
Beef: 1	Zioi e opi com										
Free State											
	, Platkop Dier	ekliniek									
Beef: 2	//		_1								
Kroonstad, I Dairy: 1	Kroonstad Die	renospita	aı								
	gepoort Veedi	enste									
Sheep: 2	Jopooli Feedin										
	rden Diereklii	niek									
Beef: 2											
Kwazulu-Na											
	ergville Veteri	nary Clini	С								
Beef: 2 Eastern Cap											
	e Steynsburg D)ierehosni	taal								
Sheep: 3	Jestisburg B	.c. c.103p1									
Western Ca	ре										
George, Geo	orge Herd Hea	th Consul	t								
Dairy: 2											

Malmeshury	, Malmesbury	Dierehos	nitaal						
Dairy: 1	, Haimesbury	Dieleilos	picaai						
	h, Stellenbosc	h Animal	Hospital						
Beef: 1	•		•						
Swellendam	, Swellendam	Dierehos	pitaal						
Dairy: 2									
Eye infec	tions								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.3 (4)	1.0 (2)	1.0 (1)	3.0 (4)	1.8 (4)	1.7 (3)	1.4 (5)	1.6 (5)	1.5 (2)
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	2.0 (3)		1.0 (1)	3.0 (2)	2.0 (1)	1.7 (3)	1.3 (3)	1.0 (1)	1.5 (2)
Dairy								2.0 (1)	
Sheep	3.0 (1)	1.0 (1)		3.0 (2)	1.7 (3)		1.5 (2)	1.7 (3)	
Goat		1.0(1)			\				
Mpumalang	a								
	egloed Veteri	nêre Spre	ekkamer						
Beef: 1									
	rootvlei Diere	kliniek							
Beef: 2									
Lydenburg, Beef: 3	Longtom Dier	ekliniek							
Moraxella bo	ic								
Sheep: 3	/15								
Gauteng									
	ima Veterinar	y Consult	ing Rooms	}					
Sheep: 1		•							
	derstepoort A	cademic	Hospital a	nd Produ	uction A	Animal Clinic	3		
Goat: 1									
Limpopo									
	2 Farm Practi	ce							
Beef: 1 North West									
	Christiana Die	robocnita	al						
Beef: 3, Shee		renospita	aı						
	stad, Leeudori	ngstad Di	erekliniek						
Beef: 3, Shee	•	J							
Free State									
	in, University	Free State	2						
Sheep: 1									
	Rowelsfontein	veearts	Spreekkan	ner					
Sheep: 2									
	gepoort Veedi	enste							
Sheep: 2									

Beef: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Mooi River, Mooirivier Vet Clinic

Beef: 1

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Beef: 1

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 2

Port Alfred, Kowie Veterinary Clinic

Beef: 2

Nine cases betweenPort Alfred and Bathurst. Wind, flies, midges, moths etc.

Uitenhage, Uitenhage Dierehospitaal

Beef: 1, Sheep: 1

Western Cape

Beaufort West, Beaufort West State Vet

Sheep: 1

Farmer in Richmond, having a problem with treatment

Caledon, Overberg Veterinary Hospital

Sheep: 2

Darling, Tygerberg Dierehospitaal Darling

Beef: 1

Malmesbury, Malmesbury Dierehospitaal

Dairy: 2, Sheep: 2
Northern Cape

Kathu, Kathu Dierekliniek

Beef: 1

Kimberley, Kimberley Dierekliniek

Beef: 2

Mycoplasma bovis

Joint III									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average		1.0 (3)		2.3 (4)	2.0 (5)	2.0 (1)	2.0 (1)	2.0 (4)	
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		1.0 (2)		2.3 (3)	2.0 (1)	2.0 (1)		2.0 (2)	
Dairy								2.0 (1)	
Sheep		1.0(1)		2.0 (1)	2.0 (4)			2.0 (1)	
Goat							2.0(1)		

Gauteng									
	spruit, Kerkstr	aat Diere	kliniek						
Beef: 1, Shee									
Nigel, Nigel	Diere Spreekl	kamer							
Beef: 1									
North West									
Brits, Brits I	Dierekliniek								
Beef: 2									
Christiana,	Christiana Die	rehospita	al						
Beef: 3									
	Klerksdorp Di	erehospit	aal						
Beef: 2									
	a Dierekliniek								
Sheep: 2									
Free State			_						
	Kroonstad Die	rehospita	al						
Sheep: 2	C								
	Grasveld Kud	aegesona	neia						
Sheep: 2	aanaart Vaadi	oneto							
Beef: 2, Shee	gepoort Veedi	enste							
	n, Wesselsbro	n Diarakli	niek						
Sheep: 2	ii, wesselsbio	II DICI CKII	IIICK						
Kwazulu-Na	atal								
	ergville Veteri	narv Clini	c						
Beef: 2		,							
Eastern Cap	e e								
_	et, Graaff Rei	net Veteri	nary Clinic	:					
Goat: 2	•								
Western Ca	ре								
Malmesbury	y, Malmesbury	Dierehos	pitaal						
Beef: 2, Dairy	y: 2, Sheep: 2								
Paarl, Paarl	Dierehospitaa	al;							
Beef: 2									
Lamenes	s/Foot Prob	lems							^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.7 (3)	1.0 (1)	1.0 (1)	2.7 (3)	1.7 (7)	2.0 (4)	2.5 (4)	2.3 (9)	
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 (2)	1.0(1)	1.0 (1)	2.5 (2)	1.5 (4)	2.0 (2)	3.0 (1)	2.0 (1)	
Dairy						2.0 (1)		2.3 (6)	
Sheep	1.0 (1)			3.0 (1)	2.0	2.0 (1)	2.5 (2)	2.5 (2)	

Goat

Mpumalanga

2.0 (1)

Balfour, Balfour Dierekliniek Beef: 2 Grootvlei, Grootvlei Dierekliniek Hendrina, Mooiplaas Veterinere Dienste Sheep: 1 Foot rot Gauteng **Bronkhorstspruit, Kerkstraat Dierekliniek** Beef: 1 Limpopo **Tzaneen, ZZ2 Farm Practice** Beef: 1 **North West** Christiana, Christiana Dierehospitaal Beef: 3, Sheep: 3 Klerksdorp, Klerksdorp Dierehospitaal Beef: 2 **Free State Bultfontein, Greylingsrust Dierespreekkamer** Beef: 2 Clocolan, Clocolan Dierekliniek Beef: 2, Sheep: 2 **Dewetsdorp, Platkop Dierekliniek** Beef: 1, Sheep: 2 Sore feet, in process of recovering **Kroonstad, Kroonstad Dierehospitaal** Sheep: 2 **Parys, Parys Dierekliniek** Beef: 1 Kwazulu-Natal **Bergville, Bergville Veterinary Clinic** Beef: 2 **Mooi River, Mooirivier Vet Clinic** Beef: 2, Sheep: 2 **Underberg, Underberg Veterinary Surgery** Dairy: 2 **Eastern Cape Adelaide, Adelaide Veterinary Clinic** Opthalmia - a moderate number of animals grazing in long grass with seed heads **Alexandria, Riverview Trading Vet Consulting Services** Cultured Staphylococcus hyicus and Trueperella pyogenes **Port Alfred, Kowie Veterinary Clinic** Goat: 2 Foot rot/joint abscesses, 3 cases Southwell in goats Steynsburg, Steynsburg Dierehospitaal Sheep: 3

Western Cape

Beaufort West, Beaufort Dierekliniek

Aristida grass awns causing severe foot problems in sheep

Darling, Tygerberg Dierehospitaal Darling

Dairy: 2

	orge Animal H	ospital									
Dairy: 3											
	George, George Herd Heath Consult										
Dairy: 2											
Heidelberg (WC), Heidelberg Dierekliniek											
Dairy: 2											
Malmesbury, Dr Otto Kriek											
Dairy: 2 Malmesbury, Malmesbury Dierehospitaal											
Malmesbury, Malmesbury Dierehospitaal Beef: 2, Dairy: 3, Sheep: 2											
Lung infection									^		
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Average	1.9 (7)	1.4 (5)	1.0 (1)	2.5 (6)	2.2 (9)	2.2 (10)	2.0 (5)	2.3 (11)	3.0 (1)		
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on		ut less than t	en and 3 =	more than :	10 cases		
Beef	1.8 (5)	1.3 (3)	1.0 (1)	2.3 (3)	2.2 (5)	2.2 (5)		2.3 (3)			
Dairy						3.0 (1)		2.7 (3)			
Sheep	2.0 (2)	1.5 (2)		2.7 (3)	2.3 (4)	2.0 (3)	2.0 (2)	2.0 (5)	3.0 (1)		
Goat						2.0(1)	2.0 (3)				
Mpumalang	а										
	four Diereklin	iek									
Beef: 2											
Bethal, Betl	nal Diereklinie	k									
Beef: 1											
	irootvlei Diere	kliniek									
Beef: 2, Shee	•										
	looiplaas Vete	rinere Die	enste								
Beef: 3, Shee	•	:+-1									
Beef: 1	Pets Vet Hosp	ıldi									
Gauteng											
	, Bapsfontein	Dierehos	pitaal								
Beef: 1	, po. cc.										
	Diere Spreekl	kamer									
Beef: 2											
Pretoria, An Sheep: 2	ima Veterinar	y Consult	ing Rooms	3							
	nderstepoort A	cademic	Hosnital a	nd Prod	uction /	Animal Clinia	^				
Beef: 1, Shee	•	Caucille	iospitai a	iia Fiod	action /	ammar Cilli	5				
Limpopo	.p. ±										
	Pietersburg V	eterinary	Clinic								
Beef: 1		,									
North West											
Christiana,	Christiana Die	rehospita	al								

Beef: 2, Sheep: 2 Leeudoringstad, Leeudoringstad Dierekliniek Sheep: 3 Lambs Schweizer-Reneke, Buffeldoorn Dierekliniek SR Beef: 3, Sheep: 3 Ventersdorp, Ventersdorp Dierekliniek Beef: 2 **Free State** Clocolan, Clocolan Dierekliniek Beef: 2, Sheep: 2 Ficksburg, Oosvrystaat Diere Produkte Beef: 2 Philippolis, Rowelsfontein veearts Spreekkamer Sheep: 2 Viljoenskroon, Viljoenskroon Dierekliniek Beef: 2, Sheep: 2 Villiers, Wilgepoort Veedienste Beef: 3, Sheep: 3 Vrede, Vrede Dierehospitaal Beef: 2 Suspect IBR **Kwazulu-Natal Bergville, Bergville Veterinary Clinic** Beef: 2 Bergville, Tugela Vet Clinic Beef: 2, Sheep: 2, Goat: 2 **Dundee, Endumeni Herd health** Beef: 2 **Mooi River, Mooirivier Vet Clinic** Beef: 2, Sheep: 1 **Underberg, Underberg Veterinary Surgery** Dairy: 3 **Vryheid, Vryheid Privaat Veeartse** Beef: 3, Sheep: 3 **Eastern Cape Adelaide, Adelaide Veterinary Clinic** Sheep: 3 Pasteurella pneumonia - high incidence in weaner lambs Goat: 3 Pasteurella pneumonia - high incidence in weaner lambs **Graaff-Reinet, Camdeboo Veterinary Clinic** Goat: 2 **Uitenhage, Uitenhage Dierehospitaal** Sheep: 1, Goat: 1 **Western Cape Beaufort West, Beaufort Dierekliniek** Sheep: 2 **Darling, Tygerberg Dierehospitaal Darling** Beef: 2 George, George Animal Hospital Sheep: 2 George, George Herd Heath Consult Heidelberg (WC), Heidelberg Dierekliniek

Sheep: 2 Lambs Malmesbury, Dr Otto Kriek Dairy: 3 Malmesbury, Malmesbury Dierehospitaal Beef: 2, Dairy: 3, Sheep: 2 Paarl, Paarl Dierehospitaal; Beef: 3 Seen at abattoir Wellington, Wellington Dierehospitaal Sheep: 2 **Pasteurellosis Northern Cape** Calvinia, Calvinia Veeartskliniek Sheep: 3 **Mastitis in general** Kwazulu- Eastern Western Northern North Free **PROVINCE Mpumalanga Gauteng Limpopo** West State Natal Cape Cape Cape 2.0 1.4 (5) 1.0 (1) 1.0 (1) 1.0(2) 2.2 (6) 2.4 (7) 1.0(1)**Average** (6) Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 casesreported 1.0 (1) 1.0 (1) 1.7 (3) 1.0(2)1.0(1) Beef (1) 1.7 1.0(1)3.0 (2) 2.5 (6) **Dairy** (3)2.0 2.0(1) Sheep 1.5 (2) 2.0(1)1.0(1)(2) Goat 2.0(1)**Mpumalanga Balfour, Balfour Dierekliniek** Beef: 1 Hendrina, Mooiplaas Veterinere Dienste Beef: 1 Gauteng **Bapsfontein, Bapsfontein Dierehospitaal** Beef: 1, Sheep: 1 **Bronkhorstspruit, Kerkstraat Dierekliniek** Dairy: 1 **Pretoria, Anima Veterinary Consulting Rooms** Sheep: 2, Goat: 2 Limpopo **Polokwane, Pietersburg Veterinary Clinic** Beef: 1

North West

Beef: 1
Free State

Christiana, Christiana Dierehospitaal

Bloemfontein, University Free State										
Dairy: 2	in, Oniversity	rice state								
	locolan Dierek	liniak								
Dairy: 2	locolali Dielek	IIIIICK								
•	n Diatkon Dian	مادانه نماد								
	p, Platkop Dier	ekiiiiek								
Dairy: 1	- D'									
	s Dierekliniek									
Beef: 3										
	gepoort Veedi	enste								
Sheep: 2										
Wesselsbron, Wesselsbron Dierekliniek										
Sheep: 2										
Kwazulu-Na										
	ugela Vet Clini	C								
Beef: 2, Shee										
-	Mooirivier Vet	t Clinic								
Dairy: 3										
	Mtubatuba Ar	nimal Clin	ic							
Beef: 2										
Pongola, Po	ongola Animal	Clinic								
Beef: 1										
Underberg,	Underberg Ve	terinary S	Surgery							
Dairy: 3										
Western Ca	_									
Darling, Tyg	gerberg Diereh	ospitaal I	Darling							
Dairy: 2										
George, Ge	orge Animal H	ospital								
Dairy: 3										
George, Ge	orge Herd Hea	th Consul	t							
Dairy: 3										
Malmesbur	y, Dr Otto Krie	k								
Dairy: 1	•									
-	y, Malmesbury	Dierehos	pitaal							
Dairy: 3, She										
	n, Swellendam	Dierehos	pitaal							
Dairy: 3	,		P							
Northern Ca	ane									
	Staatsveeartse	e Groen N	C							
Sheep: 1	- taato recai to	. с. сер и	_							
Upington										
Navel III									^	
				North	Free	Kwazulu-	Eastern	Western	Northern	
PROVINCE	Mpumalanga	Gauteng	Limpopo	West	State	Natal	Cape	Cape	Cape	
		1.0.(1)			1.3	2.0.(1)		1.0.(1)		
Average		1.0 (1)			(6)	2.0 (1)		1.0 (1)		
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases	
Beef		1.0(1)			1.0			1.0 (1)		
					(1)					

							_			
Dairy					1.0	2.0 (1)				
Dail y					(1)	2.0 (1)				
					1.5					
Sheep					(4)					
Gauteng										
_	Diere Spreekl	kamer								
Beef: 1										
Free State										
Bloemfonte	in, University	Free State	9							
Dairy: 1										
Bultfontein	, Greylingsrus	t Dierespr	eekkamer							
Beef: 1										
Kroonstad,	Kroonstad Die	rehospita	al							
Sheep: 1										
Oranjeville,	Grasveld Kud	degesond	heid							
Sheep: 1										
Villiers, Wil	gepoort Veedi	enste								
Sheep: 2										
Wesselsbro	n, Wesselsbro	n Dierekli	niek							
Sheep: 2										
Kwazulu-Na	atal									
Underberg,	Underberg Ve	terinary S	Surgery							
Dairy: 2										
Western Ca	ре									
Malmesbury	y, Malmesbury	Dierehos	pitaal							
Beef: 1										
Red gut (Torsion of t	the Gut)	Sheep						^	
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average								2.0 (1)		
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases	
Sheep								2.0(1)		
Western Ca	pe									
	y, Malmesbury	Dierehos	pitaal							
Sheep: 2			•							
Trauma									^	
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)			2.5 (2)		
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases	
Beef		1.0(1)						3.0 (1)		
								\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	•	

					1.0				l
Dairy					(1)			2.0 (1)	
Sheep	2.0 (1)								
Mpumalang	a								
	Longtom Dier	ekliniek							
Sheep: 2									
Gauteng									
	Diere Spreekl	kamer							
Beef: 1									
Free State									
	in, University	Free State	•						
Dairy: 1									
Teat laceration									
Western Ca									
	y, Dr Otto Krie	k							
Dairy: 2									
	es are incurred b		floors that a	re not m	anaged	properly			
	Dierehospitaa	al;							
Beef: 3									
Bruisings see	n at abattoir, tru	uck in accid	lent						
Downer									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (2)	1.0 (2)			1.7 (7)	2.0 (1)		1.8 (8)	
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 (2)				1.7 (6)	2.0 (1)		1.5 (4)	
Dairy								2.0 (3)	
Sheep		1.0 (1)			2.0 (1)			2.0 (1)	
Goat		1.0(1)							
Mpumalang	а								
	nal Diereklinie	k							
Beef: 1									
Grootvlei, G	irootvlei Diere	kliniek							
Beef: 1									
Gauteng									
	nderstepoort A	cademic I	Hospital a	nd Prod	uction A	Animal Clinic	C		
Sheep: 1									
PEM									
Goat: 1									
Free State									
Bethlehem,	Union Street	Animal Co	nsulting R	Rooms					
Beef: 1									
Bultfontein,	, Greylingsrust	t Dierespr	eekkamer						

Beef: 1, Shee	T										
	ep: 2 l ocolan Dierek l	limials									
Ciocolan, Ci Beef: 2	ocoian Dierek	іпіек									
	gepoort Veedi	ancto									
Beef: 3	gepoort veedi										
	arden Diereklii	niek									
Beef: 2	arden bierekin	iick									
	n, Wesselsbro	n Dierekli	niek								
Beef: 1	ii, wcsscisbio	ii Dici Citiii	ilick								
Kwazulu-Na	ıtal										
Dundee, Endumeni Herd health											
Beef: 2											
Western Cape											
George, George Animal Hospital											
Beef: 1		•									
George, Geo	orge Herd Hea	th Consul	t								
Dairy: 2	_										
Malmesbury	y, Malmesbury	Dierehos	pitaal								
Beef: 2, Dairy	y: 3, Sheep: 2										
Stellenbosc	h, Stellenbosc	h Animal I	Hospital								
Dairy: 1											
Swellendam	n, Swellendam	Dierehos	pitaal								
Beef: 1											
	Durban Straat	Diereklin	iek Worce	ster							
Beef: 2											
Other											
PROVINCE	Mpumalanga	Gauteng	Limpopo	North	Free	Kwazulu-	Eastern	Western	Northern		
. KOTINCE	paa.aga		popo	West	State	Natal	Cape	Cape	Cape		
Average				West	State	Natal	Cape	Cape	1.0 (1)		
Average	ortance scale: 1								1.0 (1)		
Average Level of imporeported									1.0 (1) 10 cases		
Average Level of imporeported Beef	ortance scale: 1								1.0 (1)		
Average Level of imporeported Beef Northern Ca	ortance scale: 1	= one case							1.0 (1) 10 cases		
Average Level of imporeported Beef Northern Ca	ortance scale: 1	= one case							1.0 (1) 10 cases		
Average Level of imporeported Beef Northern Ca Kimberley, I Beef: 1	ortance scale: 1	= one case							1.0 (1) 10 cases		
Average Level of imporeported Beef Northern Ca Kimberley, I Beef: 1 Endocarditis	ortance scale: 1 ape Kimberley Die	= one case	e, 2 = more	than one	e case b				1.0 (1) 10 cases		
Average Level of impore reported Beef Northern Ca Kimberley, I Beef: 1 Endocarditis	ortance scale: 1	= one case	e, 2 = more	than one	e case b				1.0 (1) 10 cases		
Average Level of imporeported Beef Northern Ca Kimberley, I Beef: 1 Endocarditis Vestubula	ortance scale: 1 ape Kimberley Die	= one case	e, 2 = more	than one	e case b				1.0 (1) 10 cases		
Average Level of impore reported Beef Northern Cakimberley, I Beef: 1 Endocarditis Vestubula PROVINCE	ortance scale: 1 ape Kimberley Die	= one case	e, 2 = more	than one	e case b	ut less than t	en and 3 =	more than	1.0 (1) 10 cases 1.0 (1) Northern		
Average Level of imporeported Beef Northern Ca Kimberley, I Beef: 1 Endocarditis Vestubula PROVINCE Average Level of impore	ortance scale: 1 ape Kimberley Die	= one case rekliniek e (Middl Gauteng	e ear inf Limpopo 2.0 (1)	than one	Free State	ut less than t	en and 3 = Eastern Cape	more than Western Cape	1.0 (1) 10 cases 1.0 (1) Northern Cape		
Average Level of imporeported Beef Northern Cakimberley, I Beef: 1 Endocarditis Vestubula PROVINCE Average	ortance scale: 1 ape Kimberley Die ar syndromo Mpumalanga	= one case rekliniek e (Middl Gauteng	e ear inf Limpopo 2.0 (1)	than one	Free State	ut less than t	en and 3 = Eastern Cape	more than Western Cape	1.0 (1) 10 cases 1.0 (1) Northern Cape		
Average Level of imporeported Beef Northern Cakimberley, I Beef: 1 Endocarditis Vestubula PROVINCE Average Level of imporeported	ortance scale: 1 ape Kimberley Die ar syndromo Mpumalanga	= one case rekliniek e (Middl Gauteng	e ear inf Limpopo 2.0 (1)	than one	Free State	Kwazulu-Natal 1.0 (1) ut less than t	en and 3 = Eastern Cape	more than Western Cape	1.0 (1) 10 cases 1.0 (1) Northern Cape		

Mokopane,	Mokopane, Bundu Veterinary Services										
Goat: 2	Goat: 2 Kwazulu-Natal										
	ıtaı Mtubatuba Ar	nimal Clin	ic								
Beef: 1	Trabataba Ai	iiiiai Ciiii									
Wet carca	ases								^		
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western 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											
Beef				3.0 (1)							
North West											
	yburg Diereho	spitaal									
Beef: 3											
Yellow ca	scases at a	battoir							^		
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Average	1.0 (1)							2.5 (2)	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)							3.0 (1)	1.0(1)		
Sheep								2.0 (1)	, ,		
Mpumalang	a										
	ape Cross Vol	ksrust Die	erehospita	al							
Beef: 1											
Western Cap	pe orge Animal Ho	osnital									
Sheep: 2	rge Amma m	оэртсат									
	Dierehospitaa	al;									
Beef: 3											
Seen at abatt Northern Ca											
	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	3.0 (2)	2.0 (1)	2.1 (7)	1.5 (4)	2.0 (6)	1.0 (1)
Level of impreported	ortance scale: 1 =	one case, 2 = more tha	n one case bu	ıt less than te	en and 3 = more than	10 cases
Beef	3.0 (1)		2.0 (5)	1.3 (3)	1.5 (2)	1.0 (1)
Dairy					2.0 (2)	
Sheep	3.0 (1)	2.0 (1)	2.5 (2)	2.0 (1)	2.5 (2)	
Mpumalang	ga					_
Standerton	, Econovet					
Beef: 3, She	ep: 3					
Limpopo						
	Bundu Veterinar	y Services				
Sheep: 2						
Free State						
	locolan Diereklin	IEK				
Beef: 1	Kusamata d Diana	h !k				
Beef: 1	Kroonstad Diere	nospitaai				
	lgepoort Veedien	cto				
Beef: 2, She		sie .				
	de Dierehospitaal					
Beef: 3	ac Dicicilospituai					
Feed lot						
	arden Diereklinie	k				
Beef: 3, Shee						
Kwazulu-N	•					
Bergville, B	Bergville Veterina	ry Clinic				
Beef: 2						
	vn, Camperdown	Vet Clinic				
Beef: 1						
	idumeni Herd hea	alth				
Sheep: 2		101.				
	, Mtubatuba Anin	nai Clinic				
Beef: 1 Western Ca	no					
	ipe es Veterinary Hos	nital				
Sheep: 3	o vecennary nos	pical				
15 sheep						
	orge Herd Heath	Consult				
Dairy: 1						
Malmesbur	y, Malmesbury D	ierehospitaal				
	y: 3, Sheep: 2					
	ch, Stellenbosch /	Animal Hospital				
Beef: 1						
Northern C						
	Kimberley Dierel	Kliniek				
Beef: 1						
Displace	d abomasum					^

DD OVEN SE	M	01		North	Free	Kwazulu-	Eastern	Western	Northern
PROVINCE	Mpumalanga	Gauteng	Limpopo	West	State	Natal	Cape	Cape	Cape
Average						1.0(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 1	10 cases
Dairy						1.0(1)		2.0 (2)	
Kwazulu-Na	atal								
Dundee, En	dumeni Herd l	nealth							
Dairy: 1									
Western Ca	pe								
	orge Herd Hea	th Consul	t						
Dairy: 1									
	y, Malmesbury	Dierehos	pitaal						
Dairy: 3									
Ketosis									_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average		1.0 (1)			1.7 (3)	3.0 (1)		2.3 (4)	
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than 1	10 cases
Dairy					1.0 (1)	3.0 (1)		2.0 (2)	
Sheep		1.0(1)			2.0 (2)			2.5 (2)	
Gauteng									
-	nderstepoort A	cademic	Hospital a	nd Prod	uction <i>i</i>	Animal Clinic	C		
Sheep: 1									
Free State	in, University	Free State	<u> </u>						
Dairy: 1	iii, Oiliversity	rice state							
	land Dierehos	pitaal							
Sheep: 2									
	gepoort Veedi	enste							
Sheep: 2									
Kwazulu-Na									
	Underberg Ve	terinary S	Surgery						
Dairy: 3									
Sub-clinical									
Western Ca		nami Uas-	:+-1						
	erberg Veteri	nary Hosp	ıtaı						
Sheep: 2	(WC), Heidelb	era Diero	kliniak						
Dairy: 1	(WC), neidelb	erg Diere	KIIIIEK						
	y, Malmesbury	Dierehos	nitaal						
.a.mesbul	, mannespuly	2.0.01	pituai						

Milk Feve	r								/
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)			2.0 (1)	1.5 (2)	2.0 (3)		2.2 (6)	
Level of impo reported	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)				
Dairy	2.0(1)			2.0(1)		2.5 (2)		2.2 (6)	
Sheep					2.0 (1)	1.0 (1)			
Dairy: 2 North West Vryburg, Vry Dairy: 2 Free State Reitz, Rieml Sheep: 2 Villiers, Wild Beef: 1 Kwazulu-Na Camperdow Sheep: 1 Dundee, End Dairy: 2	Longtom Dier /burg Diereho and Dierehos gepoort Veedi tal n, Camperdov dumeni Herd h	spitaal pitaal enste vn Vet Cli nealth							
Dairy: 1 Communal Je George, Geo	pe est, Beaufort \ rsey after birth, orge Animal H	recover af		nt.					
Dairy: 2	orge Herd Hea r, Dr Otto Krie		t						
Dairy: 2 Not all Nutrition Mixing a decestill persists a	onists seem to hent Close-up ration of the control	nave the rigion. In this	case one convince t	an apply	the sayiı	ng: "Goedkoo	p koop is d	uur koop".T	
Dairy: 3	, Plaillesbul y	DIEI EIIUS	pitaai						
				ster					

Other									_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average									1.0 (1)
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Sheep									1.0(1)
Sheep: 1 Rectal prolap	Kimberley Die								
	(Difficult Bi		Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.7 (10)	1.5 (6)	1.0 (1)	2.5 (8)	2.0 (25)	2.0 (5)	1.0 (2)	1.8 (12)	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	1.7 (7)	1.3 (3)	1.0 (1)	2.5 (4)	2.1 (12)	2.0 (4)	1.0 (1)	1.8 (4)	1.0 (1)
Dairy					1.5 (2)		1.0 (1)	2.0 (4)	
Sheep	1.7 (3)	1.7 (3)		2.7 (3)	2.0 (10)	2.0 (1)		1.8 (4)	1.5 (2)
Goat				2.0 (1)	3.0 (1)				
Beef: 1 Bethal, Bethal, Bethal, Beef: 2, Sheef: 2 Hendrina, Marker Beef: 2, Sheef Lydenburg, Sheep: 2	four Diereklin nal Diereklinie ep: 2 irootvlei Diere looiplaas Vete	k kliniek rinere Die ekliniek							

Beef: 2

Volksrust, Cape Cross Volksrust Dierehospitaal Beef: 1 Gauteng **Bapsfontein, Bapsfontein Dierehospitaal** Beef: 1 **Pretoria, Anima Veterinary Consulting Rooms** Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic Beef: 1, Sheep: 2 Four cases Rayton, Rayton Dierekliniek Beef: 2, Sheep: 2 Limpopo **Mokopane, Bundu Veterinary Services** Beef: 1 **North West Brits, Brits Dierekliniek** Sheep: 2, Goat: 2 Christiana, Christiana Dierehospitaal Beef: 3, Sheep: 3 Klerksdorp, Klerksdorp Dierehospitaal Beef: 2 Stella, Stella Dierekliniek Beef: 3 Ventersdorp, Ventersdorp Dierekliniek Sheep: 3 Vryburg, Molopo Dierekliniek Beef: 2 Free State **Bloemfontein, University Free State Bultfontein, Greylingsrust Dierespreekkamer** Beef: 2 Clocolan, Clocolan Dierekliniek Sheep: 2 **Excelsior, Weltevrede Dierekliniek** Beef: 2 Ficksburg, Oosvrystaat Diere Produkte Beef: 1, Sheep: 2 Frankfort, Frankfort Dierekliniek Beef: 3, Goat: 3 **Hoopstad, Hoopstad Dierekliniek** Beef: 3, Sheep: 3 **Kroonstad, Kroonstad Dierehospitaal** Dairy: 2, Sheep: 2 **Memel, Memel Veterinary Clinic** Beef: 1 Parys, Parys Dierekliniek Beef: 2 Reitz, Riemland Dierehospitaal Beef: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Villiers, Wilgepoort Veedienste

Beef: 3, Sheep: 3

Beef: 2, Sheep: 2

Vrede, Saulshoek Dierege	sondheid.						
Sheep: 1							
Vrede, Vrede Dierehospita	aal						
Beef: 2, Sheep: 1							
Warden, Warden Dierekli	niek						
Beef: 2, Sheep: 2							
Wesselsbron, Wesselsbro	n Dierekliniek						
Sheep: 2							
Kwazulu-Natal							
Bergville, Bergville Veteri	nary Clinic						
Beef: 2	,						
Dundee, Endumeni Herd I	health						
Beef: 2							
Mooi River, Mooirivier Ve	t Clinic						
Beef: 2							
Underberg, Underberg Ve	terinary Surgery						
Beef: 2, Sheep: 2	cermany bungery						
Eastern Cape							
Alexandria, Riverview Tra	ding Vet Consulting	Services					
Beef: 1, Dairy: 1	iding vec consuming	y Sei Vices					
Western Cape							
Caledon, Overberg Veteri	nary Hosnital						
Sheep: 2	iiai y 1105pitai						
	locnital						
Ceres, Ceres Veterinary H Beef: 2	ospitai						
	socnitaal Darling						
Darling, Tygerberg Dierek Beef: 2	iospitaai Dariing						
	:						
Malmesbury, Bergzight D	ierenospitaai						
Dairy: 2, Sheep: 2	. Dianahaanitaal						
Malmesbury, Malmesbury	Dierenospitaai						
Beef: 2, Dairy: 3, Sheep: 2							
Stellenbosch, Stellenbosc	n Animai Hospital						
Beef: 1, Dairy: 1							
Swellendam, Swellendam	Dierehospitaal						
Dairy: 2, Sheep: 1							
Northern Cape							
Kimberley, Kimberley Die	rekliniek						
Beef: 1, Sheep: 1							
Postmasburg, Postmasbu	rg Dierekliniek						
Sheep: 2							
Endometritis							^
PROVINCE Mpumalanga	Gauteng Limpopo		ree State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average			2.0 (1)			2.8 (5)	
Level of importance scale: 1 reported	= one case, 2 = more	e than one o	case bu	ut less than t	en and 3 =	more than	10 cases
Beef			2.0 (1)			2.0 (1)	

Dairy								3.0 (4)			
Free State											
Villiers, Wil	gepoort Veedi	enste									
Beef: 2											
Western Ca	ре										
Caledon, Ca	ledon Dierekli	niek									
Dairy: 3											
George, George Herd Heath Consult											
Dairy: 3											
	y, Malmesbury	Dierehos	pitaal								
Beef: 2, Dairy											
	ı, Swellendam	Dierehos	pitaal								
Dairy: 3											
Metritis									_		
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Average				3.0 (1)	3.0 (1)	2.5 (2)		2.7 (6)			
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				3.0 (1)	3.0 (1)	2.0 (1)		2.0 (1)			
Dairy						3.0 (1)		2.8 (5)			
North West							•				
Christiana,	Christiana Die	rehospita	al								
Beef: 3		<u>-</u>									
Free State											
Parys, Parys	s Dierekliniek										
Beef: 3											
Kwazulu-Na	atal										
	Mooirivier Vet	Clinic									
Beef: 2		_									
	Underberg Ve	terinary S	Surgery								
Dairy: 3											
Western Ca		mi ala									
Caledon, Ca Dairy: 3	ledon Dierekli	шек									
	erberg Diereh	nenitaal l	Darling								
Dairy: 3	Jei beig bielei	iospitaal i	Janning								
	y, Dr Otto Krie	k									
Dairy: 2											
	y, Malmesbury	Dierehos	pitaal								
Beef: 2, Dairy		5. 5.105	p								
	n, Swellendam	Dierehos	pitaal								
Dairy: 3	,										
Poor cone	ception								_		

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (2)	3.0 (1)		1.7 (3)	2.2 (5)	2.4 (5)	2.7 (3)	2.3 (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	2.0 (2)	3.0 (1)		1.7 (3)	2.2 (5)	2.4 (5)	2.0 (1)		
Dairy							3.0 (1)	2.5 (2)	
Sheep							3.0 (1)	2.0 (1)	
Beef: 2	a Lydenburg Dio Cape Cross Vol			al					
Gauteng									
	ton Diereklini	ek							
Beef: 1	stad, Leeudori	ngstad Di	erekliniek						
One farm ver Stella, Stella Beef: 3	y poor a Dierekliniek								
	olopo Diereklir	niek							
Free State									
Beef: 1	ocolan Dierek								
Excelsior, W Beef: 2	leltevrede Die	rekliniek							
Hoopstad, k	Cameeldoring	Diereklini	ek						
Beef: 3 Oranieville,	Grasveld Kud	deaesond	heid						
Beef: 2	gepoort Veedi								
Beef: 3									
	atal ergville Veteri	nary Clinic	:						
Beef: 2 Dundee, En	dumeni Herd h	nealth							
Beef: 2									
Beef: 2	Mooirivier Vet	Clinic							
	Underberg Ve	terinary S	urgery						
	yheid Privaat \	/eeartse							
Eastern Cap									
Alexandria,	Alexandria Pla	atteland S	preekkam	er					

Beef: 2										
	Riverview Tra	ding Vet	Consulting	Service	es					
Dairy: 3										
61 dairy cows										
	, Steynsburg D	ierehospi	taal							
Sheep: 3										
Western Ca	pe									
Caledon, Caledon Dierekliniek										
Dairy: 3										
Malmesbury, Malmesbury Dierehospitaal										
Dairy: 2										
Oudtshoorn	, Ostrimed									
Sheep: 2										
Retained afterbirth										
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average		1.3 (3)		1.0 (1)	1.7 (3)	1.7 (3)		2.1 (8)	1.0(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	l0 cases	
Beef		1.0 (2)		1.0 (1)	1.5 (2)	2.0 (2)		1.5 (2)	1.0 (1)	
Dairy								2.3 (6)		
Sheep		2.0 (1)			2.0 (1)					
Goat						1.0(1)				
Gauteng										
	spruit, Kerkstr	aat Dierel	kliniek							
Beef: 1	oprair, iteritori	uut Dicici	XIIIII CIX							
	ima Veterinar	v Consulti	ina Rooms	•						
Sheep: 2		,								
	ton Diereklini	ek								
Beef: 1										
North West										
Christiana,	Christiana Die	rehospita	al							
Beef: 1										
Free State										
Clocolan, Cl	ocolan Dierek	liniek								
Beef: 1										
	gepoort Veedi	enste								
Beef: 2, Sheep: 2										
Kwazulu-Natal										
Bergville, Bergville Veterinary Clinic										
Beef: 3										
	n, Camperdov	vn Vet Cli	nic							
Goat: 1										
	Mooirivier Vet	Clinic								
Beef: 1										

Western Cape Caledon, Overberg Veterinary Hospital Beef: 1 **Darling, Tygerberg Dierehospitaal Darling** Dairy: 2 Malmesbury, Bergzight Dierehospitaal Dairy: 3 Malmesbury, Dr Otto Kriek Dairy: 1 Not all Nutritionists seem to have the right formula for Close-up cow rations. This because of the cost factor of mixing a decent Close-up ration. In this case one can apply the saying: "Goedkoop koop is duur koop". This problem still persists and if not rectified soon will convince the farmer not to have a close-up group anymore. Malmesbury, Malmesbury Dierehospitaal Beef: 2, Dairy: 3 Swellendam, Swellendam Dierehospitaal Dairy: 3 **Worcester, Durban Straat Dierekliniek Worcester** Dairy: 2 **Northern Cape** Kimberley, Staatsveeartse Groep NC Beef: 1 Kimberley **Sheath Prolaps** North **Free** Kwazulu-**Eastern** Western Northern **PROVINCE Mpumalanga Gauteng Limpopo** West State Natal Cape Cape Cape 2.0 1.0(1)1.0(1)1.5 (2) **Average** (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 **Beef** 1.0(1)1.0(1)1.5 (2) (2)Mpumalanga Lydenburg, Longtom Dierekliniek Beef: 1 Gauteng Nigel, Nigel Diere Spreekkamer Beef: 1 **Free State Excelsior, Weltevrede Dierekliniek** Hoopstad, Hoopstad Dierekliniek Beef: 3 Kwazulu-Natal **Bergville, Bergville Veterinary Clinic** Beef: 2 Pongola, Pongola Animal Clinic Beef: 1

Uterus prolaps

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (2)	1.0 (1)	1.0 (1)	1.0 (2)	1.6 (7)	1.7 (3)		1.1 (7)	
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than 1	10 cases
Beef	1.0(1)	1.0 (1)	1.0 (1)	1.0 (2)	1.7 (3)	1.7 (3)		1.0 (2)	
Dairy								1.0(2)	
Sheep	1.0 (1)				1.5 (4)			1.3 (3)	
Mpumalang									
	al Diereklinie	k							
Beef: 1, Shee	p: 1								
Gauteng Nigel Nigel	Diere Spreekl	ramer							
Beef: 1	Diele Spiecki	willel							
Limpopo									
	Bundu Veterin	ary Servi	ces						
Beef: 1									
North West									
Brits, Brits I	Dierekliniek								
Beef: 1									
Wryburg, Mo Beef: 1	lopo Diereklir	nek							
Free State									
	eltevrede Die	rekliniek							
Beef: 1	0.001.000 2.0								
	Kroonstad Die	rehospita	al						
Sheep: 1									
	gepoort Veedi	enste							
Sheep: 2									
	e Dierehospita	aal							
Beef: 2, Shee	p: 1 I rden Dierekli i	niek							
Beef: 2, Shee		IICK							
Kwazulu-Na									
	ergville Veteri	nary Clini	С						
Beef: 2									
	dumeni Herd h	nealth							
Beef: 1									
	nowe Veterina	ry Hospita	al						
Beef: 2 Western Cap	20								
	pe erberg Veterii	nary Hoen	ital						
Sheep: 2	Cibery Veterii	iai y 1103p	ıcaı						
	orge Animal He	ospital							
Sheep: 1	<u> </u>								
	orge Herd Hea	th Consul	t						
Dairy: 1									

Malmesbury	y, Bergzight Di	ierehospit	:aal									
Beef: 1	,, - 3 3 -											
	y, Malmesbury	Dierehos	pitaal									
Sheep: 1	,, ,											
	h, Stellenbosc	h Animal	Hospital									
Dairy: 1	•		<u>-</u>									
•	Swellendam, Swellendam Dierehospitaal											
Beef: 1	•		•									
Vaginal (Cervical) pr	olaps							^			
PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu- Rastern Cape Cape Cape												
Average	1.4 (7)	1.0 (1)			1.6 (8)	1.5 (6)		1.3 (6)				
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than :	10 cases			
Beef	1.3 (4)	1.0 (1)			1.3 (4)	1.6 (5)		1.0 (2)				
Dairy								2.0(1)				
Sheep	1.7 (3)				2.0 (4)	1.0 (1)		1.3 (3)				
Mpumalang	a											
	hal Diereklinie	k										
Beef: 1, Shee	ep: 2											
Grootvlei, G	irootvlei Diere	kliniek										
Beef: 1												
	1ooiplaas Vete	rinere Die	enste									
Beef: 1, Shee												
	Longtom Dier	ekliniek										
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	Diere Spreekl	kamer										
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Sheep: 2	, Greylingsrust	Dierespr	ееккатег									
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Beef: 1, Shee		CKIIIICK										
	Kameeldoring	Diereklini	ek									
Beef: 1, Shee												
•	land Dierehos	pitaal										
Beef: 2												
Vrede, Vred	e Dierehospita	aal										
Beef: 1												
	Wesselsbron, Wesselsbron Dierekliniek											
Sheep: 2	Sheep: 2											
Kwazulu-Na												
	ergville Veteri	nary Clini	С									
Beef: 2												
camperdow	n, Camperdov	vn vet Cli	niC									

Beef: 1 Dundee, Endumeni Herd health Beef: 2, Sheep: 1 Eshowe, Eshowe Veterinary Hospital Beef: 2 Pietermaritzburg, Veterinary House Hospital Beef: 1 Western Cape Caledon, Overberg Veterinary Hospital Sheep: 2 Malmesbury, Bergzight Dierehospitaal Beef: 1 Stellenbosch, Stellenbosch Animal Hospital Beef: 1 Swellendam, Swellendam Dierehospitaal Beef: 1 Swellendam, Swellendam Dierehospitaal Beef: 1 Climatical Cause Cold exposure PROVINCE Mpumalanga Gauteng Limpopo North Free West State Natal Cape Cape Cape Average 2.3 (3) 2.0 (3) Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Beef Dairy Sheep: 2 Warden, Warden Dierekliniek Sheep: 2 Winburg, Winburg Dierekliniek Sheep: 2 Winburg, Winburg Dierekliniek Sheep: 2 Drought PROVINCE Mpumalanga Gauteng Limpopo North Free Kwazulu- Eastern Cape Western Cape Wastern Cape Winburg, Winburg Dierekliniek Sheep: 2 Drought PROVINCE Mpumalanga Gauteng Limpopo North Free Kwazulu- Eastern Cape Cape Cape Norther Cape Western Cape Western Cape Western Cape Western Cape Western Cape Western Cape Worther Cape Norther Cape Ca										
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PROVINCE Mpumalanga Gauteng Limpopo West State Natal Cape Cape Cape	Drought									<u>^</u>
PROVINCE Mpumalanga Gauteng Limpopo West State Natal Cape Cape Cape					North	Euco	Vuraeulu	Engtown	Wostows	Nouthous
	PROVINCE	Mpumalanga	Gauteng	Limpopo						
Average 3.0 (1)					west	State	italai	Cape	Cape	Cape
Average 3.0 (1)	A								2.0 (1)	
	Average								3.0 (1)	

Sheep								2.0 (1)	
								3.0 (1)	
Nestern Ca	•	D:b							
reaenburg Sheep: 3	, Vredenburg	Dierenosp	oitaai						
•	, animals are gi	ven fodder							
		veri rodder							
Frozen to	death								-
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.0 (1)				
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Sheep					2.0 (1)				
ree State									
	Rowelsfontein	veearts	Spreekkan	ner					
Sheep: 2			•						
niccpi z									
	cific diseas	ses							
Non spe	cific diseas death not e		ed						
Non spe		stablish		North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Non spe Cause of PROVINCE	death not e	stablish							
Non spe Cause of PROVINCE Average Level of imposite	death not e	stablish Gauteng	Limpopo	West	1.0 (1)	Natal	Cape	2.0 (3)	Cape
Non spe Cause of PROVINCE Average Level of imported	death not e	stablish Gauteng	Limpopo	West	1.0 (1)	Natal	Cape	2.0 (3)	Cape
Cause of PROVINCE Average Level of impereported Beef	death not e	stablish Gauteng	Limpopo	West	1.0 (1) e case b	Natal	Cape	2.0 (3) more than	Cape
Non spe Cause of PROVINCE Average Level of imporeported Beef Dairy	death not e	stablish Gauteng	Limpopo	West	1.0 (1) e case b	Natal	Cape	2.0 (3) more than 2.0 (1)	Cape
Non spe Cause of PROVINCE Average	death not e	stablish Gauteng	Limpopo	West	1.0 (1) e case b	Natal	Cape	2.0 (3) more than 2.0 (1) 2.0 (1)	Cape
Cause of PROVINCE Average Level of impereported Beef Dairy Sheep Free State	death not e	Gauteng = one case	Limpopo e, 2 = more	West	1.0 (1) e case b	Natal	Cape	2.0 (3) more than 2.0 (1) 2.0 (1)	Cape
Cause of PROVINCE Average Level of imported Beef Dairy Sheep Free State /rede, Saul	Mpumalanga ortance scale: 1	Gauteng = one case	Limpopo e, 2 = more	West	1.0 (1) e case b	Natal	Cape	2.0 (3) more than 2.0 (1) 2.0 (1)	Cape
Cause of PROVINCE Average Level of imported Beef Dairy Sheep Free State /rede, Saul Beef: 1 Western Ca	Mpumalanga ortance scale: 1 shoek Dierege	Gauteng = one case sondheid	Limpopo e, 2 = more	West	1.0 (1) e case b	Natal	Cape	2.0 (3) more than 2.0 (1) 2.0 (1)	Cape

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)				
Free State Villiers, Wil Beef: 2	gepoort Veedi	enste							
Preditors									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average				2.0 (1)	2.1 (8)	1.0 (1)			
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Beef				2.0 (1)	2.0 (2)				
Sheep					2.2 (6)				
Goat						1.0(1)			
North West									
Vryburg, Mo	olopo Diereklir	niek							
Beef: 2									
Free State									
	ocolan Dierek	liniek							
Beef: 1, Shee	ep: 2 o, Platkop Die r	okliniok							
Sheep: 2	, riatkop bier	CKIIIIICK							
	Rowelsfontein	veearts 9	Spreekkan	ner					
Sheep: 2			,						
	gepoort Veedi	enste							
Sheep: 2									
	n, Wesselsbro	n Dierekli	niek						
Sheep: 2									
	inburg Dierek	liniek							
Beef: 3, Shee									
Kwazulu-Na		um Vat Oli	nia						
Goat: 1	n, Camperdov	vn vet CII	IIIC						
Mauled by do	00								
madied by do	y								

Sabotatio	on/Theft								4	
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average				2.5 (2)	2.7 (6)	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				2.5 (2)	2.7 (3)	2.5 (4)				
Sheep					2.7 (3)	3.0 (1)				
North West										
	Reneke, Buffel	doorn Die	erekliniek	SR						
Beef: 3	l b' ' '									
	olopo Diereklir	nek								
Beef: 2 Free State										
	ocolan Dierek	liniak								
Beef: 3, Shee		IIIIEK								
	gepoort Veedi	enste								
Beef: 2, Shee										
	inburg Dierek	liniek								
Beef: 3, Shee										
Kwazulu-Na	ital									
	ergville Veteri	nary Clini	С							
Beef: 3										
	dumeni Herd l	nealth								
Beef: 3, Shee			•							
	nowe Veterina	ry Hospita	al							
Beef: 2 Six cattle hac	kad ta daath									
	zburg, Veterin	arv House	Hosnital							
Beef: 2	zburg, veteriii	ary mouse	riospitai							
Trauma										
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average	1.5 (2)	1.0 (1)	1.0 (1)		2.0 (3)	1.0 (1)		2.0 (3)	3.0 (1)	
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases	

2.0

(2)

3.0 (1)

2.0 (1)

2.0 (1)

1.0 (1) 1.0 (1)

1.5 (2)

Beef

Dairy

Chaan					2.0			2.0 (1)		
Sheep					(1)			2.0 (1)		
Goat						1.0(1)				
Mpumalang	a									
	nal Diereklinie	k								
Beef: 1										
Lydenburg,	Longtom Dier	ekliniek								
Beef: 2										
Wounds										
Gauteng										
	Diere Spreekl	kamer								
Beef: 1										
Limpopo	D	· · · · · ·								
	Bundu Veterin	ary Servi	ces							
Beef: 1 Free State										
	ampoldoring !	Dieroklie:	ok							
Beef: 2	Hoopstad, Kameeldoring Dierekliniek									
Winburg, Winburg Dierekliniek Beef: 2, Sheep: 2										
Kwazulu-Natal										
	n, Camperdov	vn Vet Cli	nic							
Goat: 1	ii, camperaer									
Fractured leg										
Western Ca	pe									
Malmesbury, Malmesbury Dierehospitaal										
Beef: 2, Dairy: 2, Sheep: 2										
Northern Cape										
Kimberley, Kimberley Dierekliniek										
Beef: 3										
Bruising at ab	attoir; injection	marks 2								
Veld fires	;								^	
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
				West	State	Macai	cupc	Cupc	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										
	inburg Dierek	liniek								
Sheep: 2										
other									^	
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern 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)Limpopo **Mokopane, Bundu Veterinary Services** Beef: 2 **Traumatic Reticulo-pericarditis** North Free Kwazulu- Eastern Western Northern **PROVINCE Mpumalanga Gauteng Limpopo** State Natal West Cape Cape Cape 1.3 1.0(1) 1.0(1) 1.0(1)**Average** (3) Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported 1.3 Beef 1.0(1)1.0(1)1.0(1)(3) **Mpumalanga Bethal, Bethal Dierekliniek** Beef: 1 Gauteng Bapsfontein, Bapsfontein Dierehospitaal Beef: 1 Free State Clocolan, Clocolan Dierekliniek

Villiers, Wilgepoort Veedienste

Beef: 1

Winburg, Winburg Dierekliniek

Beef: 2
Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Beef: 1