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

June 2018

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

These reports include data from individual practices

Click on Disease Reports

The following practices and laboratories (126) submitted reports during June 2018:

Mpumalanga (13)

Balfour - Dr. Louis van Jaarsveld

Bethal - Dr. Hardus Pieters

Ermelo – Dr. Ben Potgieter

Ermelo – Mpumalanga State Vet office

Grootvlei – Dr. Neels van Wyk

Karino – Dr. Silke Pfitzer

Lydenburg – Drs. Trümpelmann and Steyn

Lydenburg – Dr. Marietjie Malan

Middelburg – Drs. Erasmus, Malan and Bernitz

Nelspruit – Dr. André Beytel

Piet Retief - Drs. Niebuhr and Weber

Standerton - Dr. Kobie Kroon

Volksrust - Dr. Johan Blaauw

Gauteng (9)

Bapsfontien - Drs. Engelbrecht and Olivier

Bronkhorstspruit - Dr. De Bruin, De Bruin and Labuschagne

Hammanskraal - Dr. Hentie Engelbrecht

Magaliesburg – Dr. Ryan Jeffery

Muldersdrift - Dr. Clare Speedy and Enslin

Nigel – Dr. Cindy van der Westhuizen

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

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

Pretoria – Dr. Hanneke Pienaar

Vanderbijlpark – Dr. Kobus Kok

Limpopo (10)

Bela-Bela (Warmbaths) - Dr. Nele Sabbe

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

Mokopane (Potgietersrust)- Dr. Henk Visser

Mokopane – Dr. Alwyn Venter (CCS)

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

Thabazimbi – Dr. Gary Bauer

Tzaneen - Drs. Cordier and Van der Berg

Tzaneen – ZZ2 Farm practice

Vaalwater - Dr. Annemieke (Van der Goot) Muller

Vaalwater – Dr. Hampie van Staden

North West (8)

Brits - Dr. Boshoff and Coertze

Christiana - Dr. Pieter Nel

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

Leeudoringstad - Dr. Ian Jonker

Potchefstroom - Dr. Martin Ferreira

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

Stella - Dr. Magdaleen Vosser

Ventersdorp/ Koster - Drs. Benadé and Van der Merwe

Free State (21)

Bloemfontein – Dr. Stephan Wessels

Bultfontein - Dr. Santjie Pieterse

Clocolan - Drs. Wasserman and Basson

Dewetsdorp - Dr. Marike Badenhorst

Excelsior/Ladybrand – Drs. Dedré Nel and De Vos

Ficksburg – Drs. Kotzé and Coetzer

Frankfort - Drs. Lessing, Cilliers and Janse van Rensburg

Gariep Dam – Dr. Marni Malan

Hoopstad – Dr. Kobus Pretorius

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

Memel – Drs. Nixon and Nixon

Parys – Drs. Wessels and Wessels

Philippolis – Dr. Stephan van Niekerk

Reitz - Dr. Murray Smith

Smithfield – Dr. Nienke van Hasselt

Viljoenskroon – Dr. Johan Kahts

Villiers - Drs. Hattingh and Hauptfleish

Vrede – Drs. Myburgh, Bester-Cloete and Bester

Wesselsbron - Dr. Johan Jacobs

Winburg - Drs. Albertyn and Albertyn

Zastron - Drs. Troskie and Strauss

KwaZulu-Natal (13)

Bergville - Dr. Ariena Shepherd

Bergville – Dr. Jubie Muller

Camperdown – Dr. Anthony van Tonder

Dundee - Drs. Marais, Fynn and Reynolds

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

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

Mtubatuba – Dr. Trever Viljoen

Newcastle - Dr. Barry Rafferty

Pietermaritzburg - Dr. Phillip Kretzmann

Pongola - Dr. Heinz Kohrs

Ulundi – Dr. Anelle Duvel (CCS)

Underberg - Drs. Collins, King and Delaney

Vryheid – Drs.Theron and Theron

Eastern Cape (15)

Alexandria - Dr. Johan Olivier

Alexandria – Riverview Trading Vet

Aliwal North – Drs. Troskie and Strauss

Bathurst - Dr. Jane Pistorius

Cofimvaba – State Veterinarian

Cradock - Dr. Frans Erasmus

Graaff- Reinet - Dr. Roland Larson

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

Jeffreys Bay – Drs. Lategan, Hoek and McFarlane

Kareedouw - Dr. Marten Bootsma

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

Somerset East – Drs. Farrel, Louw and Ross

Stutterheim - Dr. Dave Waterman

Uitenhage – Drs. Mulder and Krüger

Witelsbos - Dr. Elmien Kotze

Western Cape (21)

Beaufort West - Dr. Jaco Pienaar

Beaufort West - Dr. Bennie Grobler

Caledon - Drs. Retief, Coetzer and Janssen

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

Darling - Drs. Van der Merwe, Adam and Senekal

Heidelberg - Dr. Albert van Zyl

Malmesbury - Dr. Otto Kriek

Malmesbury - Dr. Markus Fourie

Malmesbury - Dr. Andries Lesch

Malmesbury – Drs. Heyns and Zollner

Oudtshoorn - Dr. Glen Carlisle

Oudtshoorn - Dr. Adriaan Olivier

Piketberg – Dr. André van der Merwe

Plettenberg Bay - Dr. André Reitz

Riversdale - Drs. Du Plessis, Taylor and De Bruyn

Stellenbosch - Dr. Alfred Kidd

Swellendam – Dr. Jacques Malan

Tulbagh - Drs. Hamman, Wilson and Triegaardt

Vredenburg – Dr. Izak Rust

Wellington - Dr. William van Zyl

Worceser- Dr. Kobus Rabe

Northern Cape (8)

Calvinia - Dr. Bertus Nel

De Aar – Dr. Donald Anderson

Kathu – Dr. Jan Vorster

Kimberley – Dr. Joseph van Heerden

Kuruman - Dr. Lea Shuda

Kuruman – Dr. Gerhard van der Westhuizen

Postmasburg – Dr. Boeta van der Merwe

Upington – Drs. Vorster and Visser

Feedlots (2)

Drs. Morris and Du Preez

Dr. Andy Hentzen

Laboratory reports (6)

Dr. Marijke Henton - Vetdiagnostix, Johannesburg

Dr. Liza du Plessis – Idexx SA - Johannesburg

Dr. Last - Vetdiagnostix, Pietermaritzburg

Dr. Sophette Gers - Pathcare, Cape Town

Queenstown Provincial Laboratory

Summary

Emphasis are placed on the following diseases this month:

- Asiatic red water
- Rift Valley Fever
- Brucellosis
- Trichomonosis
- Johne's disease

The following information was kindly supplied to us by Dr. Francois van Niekerk from the Humansdorp Veterinary Clinic

REDWATER (BABESIOSIS): THE KILLER DISEASE:

but vaccination can greatly limit cattle deaths

Rely ing on

ticks to stimulate immunity

Leaving a few ticks on the animals in the hope that they might build up immunity cannot be considered a satisfactory approach to controlling disease, because only a small percentage of ticks [0.04 - 0.23%] carry the Babesia parasites.

Colostral and inmate immunity

Calves less than two months old born to previously unexposed cows are susceptible to disease,

but

calves less than two months old born to immune cows are resistant [due to colostral immunity].

After the age of two months a natural non-specific **innate resistance** ["aangebore weerstand"] which persists for at least a further four to six months and is **not** dependant on the immune status of the cow, protects calves.

Vaccine

Vaccinate all calves 3 - 6 months old and **repeat** well before mating or AI; the second, booster vaccination is **off label**, but will strengthen immunity.

Vaccine is available from Onderstepoort Biological Products [OBP].

The vaccine consists of frozen blood containing live Babesia parasites and must be carefully thawed, strictly according to instructions, before injection, intramuscularly.

strictly according to instructions, before injection, intramascularly.

Dry ice is needed to preserve the vaccines in transport : cost varies according to size of order and time

period required for preservation.

Disease control in the vaccine producing herd

The cattle used in the vaccine production programme were thoroughly tested for a range of diseases included Enzootic Bovine Leukosis (EBL) and the herd was then closed – no animals are introduced.

There is thus no possibility of the transmission of EBL by the vaccine.

All vaccines used in this herd are killed vaccines; there is thus no danger of modified live viruses turning

virulent and generating disease in vaccinated animals.

References:

Dr Neil Fourie, 2016/2017

Mr Michael Combrinck, July 2018

In May there had been an outbreak of Rift Valley Fever in the Jacobsdal area of the Free State.

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

Only dead inactivated vacines must be used in pregnant animals.

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



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

Why should I test my cattle for brucellosis?

- ➤ Brucellosis is a herd disease this means if you even have a single infected animal, it affects the status of your whole herd! An infected cow will rapidly infect the rest of your herd if not identified and slaughtered before calving.
- > Brucellosis causes reproduction and production losses in affected herds, which decreases financial turnover.
- Brucellosis is a misleading disease as abortions may not always occur, abortions are not always noticed and affected cattle may appear visibly healthy. Only through testing can brucellosis be confirmed.
- The disease is a zoonosis which can infect you, your family and your workers. Infection may lead to chronic and debilitating disease.
- If you have recently bought in animals from an auction or a herd with no proof that the herd of origin was recently tested for bovine brucellosis (CA3 declaration), you could have bought in positive or latently positive animal(s).

- If neighbouring farms or farms you access for grazing are positive for brucellosis, your cattle could have contracted the disease.
- If you do not know your status and you are farming with brucellosis unknowingly, you are contributing to the brucellosis risk of our national cattle herd.

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

- · Just one miss step may be the beginning of misery!
- Remember this is a herd disease!
- If one animal is tested positive, the herd is seen as positive until proved to be negative according to the brucellosis scheme!
- Brucellosis is a State controlled disease.
- Brucellosis is a zoonosis a disease transmitted from animals to humans

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

SOP for control of Bovine Brucellosis

Audit date:	
Authorised person:	

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

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

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

Brucellosis

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

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

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

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

5 keys to controlling brucellosis:

- Vaccination is one of the important tools used to control and prevent brucellosis. Vaccination of all heifers between 4-8 months is required. Do not vaccinate male cattle.
- Know your status test your cattle herd for brucellosis.
- Only buy cattle from recently tested, brucellosis negative herds.
- Don't share grazing with untested cattle and ensure that your fences are intact.
- If you have brucellosis in your herd, follow the advice of your state veterinarian to get rid of the infection as quickly as possible (branding, separation, vaccination and slaughter). Delays in action against the disease will increase losses and prolong quarantine.

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

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

Play your part in the war on brucellosis

- Don't wait until it's too late vaccinate! To protect the national cattle herd, all female cattle between the ages of 4-8 months have to be vaccinated against brucellosis with a registered product.*
- Vaccination strengthens immunity against brucellosis and decreases bacterial shedding.
- S19 vaccine for cattle (Reg. No. G0101. Act 36/1947) or RB51 (Reg. No. G 3056. Act 36/1947) can be used. Always use vaccines according to the manufacturer's instructions. Contact your private veterinarian or local state veterinary services for more information.
- Know your herd's status by testing. Know the status of herds that you buy or receive cattle from by requesting herd test results.
- Let's all play our part to protect each other our cattle's health, our own health and our livelihoods.

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

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

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

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

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

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

National Animal Health Forum

www.nahf.co.za

Read what the Forum is all about:

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

This website will become the information centre of animal health in Southern Africa. On the toolbar click on **Stakeholders** and you will find links to producer organizations and other organizations who are participating in the NAHF http://nahf.co.za/stakeholders/

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

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

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

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

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

This link will continuously be updated.

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

Rural Veterinary Association of South Africa

www.ruvasa.co.za

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

Landbouweekblad's webpage

www.landbou.com

Vra vir Faffa

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

Click on Beeste Click on Siektes

Click on Brusellose

Stop Brusellose

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

Rapportering aan bure of ander eienaars oor die voorkoms van brusellose

Inligting oor brusellose op die NAHF se webblad

Kuddebestuur voor die dekseisoen

Bees Brusellose handleiding

Teenliggaamwaardes om beesbrusellose in koeie te bepaal

Veterinêre Strategie 2016 -2026

'n Dosyn dinge wat jy moet weet van beesbrusellose

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

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

Vervoer van diere uit 'n positiewe brusellose kudde

Beheer van brusellose in 'n beeskudde

Boerderypraktyke wat die gevaar van die voorkoms van brusellose verhoog

Pak brusellose by die horings

Brucellose kan jou lewe verwoes

Brusellose in wild

Bestuur van positiewe besmetlike misgeboorte beeste

Aankoop van beeste wat besmetlike misgeboorte het

Antwoorde oor brusellose

Behandeling van besmetlike misgeboorte

Besmetlike misgeboorte uitbreek in 'n kudde

Gevaar van brusellose onderskat

RB51-inenting teen brusellose in dragtige koeie

Alles oor Besmetlike Misgeboorte (BM)

Kompensasie vir BM en TB positiewe beeste?

Nóg vrae oor besmetlike misgeboorte

Koeie positief getoets vir besmetlike misgeboorte

Vrae, antwoorde oor besmetlike misgeboorte

Brucellose: Wat staan ons te doen?

Internal parasite control

www.wormx.info

IMPORTANT MESSAGE

Animal welfare becomes more and more important!

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

Summary of disease report for June 2018

126 Reports from veterinary practices and laboratories were received (Mpumalanga (MP) 13; Gauteng (G) 9; Limpopo (L) 10; Northwest (NW) 8; Free State (FS) 21; KwaZulu-Natal (KZN) 13; Eastern Cape (EC) 15; Western Cape (WC) 21: Northern Cape (NC) 8; Feedlots (FL) 2 and Laboratories (Lab) 6).

For the detailed report and previous reports go to www.ruvasa.co.za and click on Disease reporting

Internal parasites

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

Internal parasites	MP	G	L	NW	FS	KZN	EC	WC	NC
Roundworms	х	х	х	х	х	х	х	х	х
Resistant roundworms	х	х	х	х	Х				
Wireworm	х	х	х		Х	х	х	х	

Brown stomach-worm							х	х	
Long-necked bankruptworm									
Large-mouthed bowelworm									
Nodularworm							х		
Lungworm									
Eyeworm									
Parafilaria						х			
Tapeworms	х	х			х	х	х	х	х
Liver fluke	х		х	х	х	х	х	х	
Conical fluke	х			х	х	х	х		
Cysticercosis (measles)	х	х			х	х			х
Schistosomiasis (bilharzia)									
Coccidiosis	х	х		хх	х	х	х	х	х
Cryptosporidiosis	х			х	х	х		х	

Good rainfall occurred in many areas of the the winter rain fall area. Be aware of brown stomach worm infestation that may become a problem after the severe drought. Use the five point check to keep on top of what is happening in the flock. For further detail contact your local veterinarian.

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

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

Wireworm infestations have been reported from 7 provinces. Most farmers think that wireworm is dormant in winter. Check animals for bottle jaw and anaemia.

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

External parasites

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

External parasites	MP	G	L	NW	FS	KZN	EC	wc	NC
Blue ticks	х	х	х	х	х	х	х	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	х				х
Paralysis ticks					х				
Tampans									х
Biting lice				х	х	х			х
Sucking lice				х	х			х	
Itch mites									
Sheep scab					х	х			
Mange mites	х	х	х	х		х	х		
Nuisance flies	х					х		х	
Midges									
Mosquitoes									
Blowflies								х	
Screw-worm	х								
Gedoelstia (uitpeuloogsiekte)									
Nasal bot					х				

Late rains in autumn played a role in the increase of tick numbers seen on animals. Blue tick infestations were reported from all provinces. Blue ticks are able to transmit red water, anaplasmosis and lumpy skin disease.

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

Actives to be tested for resistance are: organophosphates, pyrethroids, amidines. Actives registered only for controlling blue ticks are: macrocyclic lactones and fluazuron (acaracide growth regulator). A new active, fipronil, has recently been launched. Cross resistance with chlorinated hydrocarbons has been published.

Below is a list of diseases transmitted by ticks.

Tick borne diseases

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

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

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

Tick numbers wil decrease when colder weather and frost set in.

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

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

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		
Rift Valley Fever									
Wesselsbron									
Nagana						х			

Insect borne diseases have decreased dramatically after colder weather occurred in most parts of the country.

Have you vaccinated your animals vaccinated against Rift Valley Fever?

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

Venerial diseases

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

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

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

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

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

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

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

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

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

Bacterial diseases

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

Bacterial diseases	MP	G	L	NW	FS	KZN	EC	wc	NC
Anthrax			х						
Blackquarter	х	х		х	х	х	х	х	х
Botulism					х	х		х	х
Pulpy kidney	х	х		х	х	х	х	х	х
Lamb dysentery									
Swelled head		х			х	х			
Red gut (cattle)					х	х		х	
Blood gut (sheep)	х			х	х				
Tetanus						х			
Salmonellosis								х	
Bovine brucellosis	х	х	х	х	Х	х	х		

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

Multiclostridial vaccines should be used if blackquarter outbreaks still occur when only using a vaccine containing *Clostridium chauvoei*. Remember to give a booster vaccine when using an inactivate vaccine for the first time. Read the packet insert!! Study the table above and determine the risk for animals on your farm. Get advice from your veterinarian on *Cryptosporidium/E. coli* outbreaks in your area and what to do to prevent losses in lambs and calves.

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

VENDOR DECLARATION BOVINE BRUCELLOSIS

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

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

Note: Vaccination does not mean freedom from Bovine Brucellosis as cattle can still be carriers
Please attach the most recent *Brucella* blood test certificate

Owner or authorised representative:
Cimpature
Signature:
Date:

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

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

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

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

OVINE JOHNE'S DISEASE VENDOR DECLARATION

ON THE SALE OF SHEEP

(Updated Draft May 2015)

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

The use of this declaration is supported by the following organisations:













Viral diseases

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

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

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

Winter is here and respiratory diseases in animals are rife!

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

The snotsiekte vaccine is still in the experimental stage and will hopefully be registered in two years time. Keep cattle and wildebeest well separated especially when wildebeest are under stress!

Discuss vaccination programmes and biosecurity measures with your veterinarian.

Fungal diseases

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

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

Protozoal diseases

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

Toxicities

The following toxicities were reported by practices in the provinces:

Toxicities	MP	G	L	NW	FS	KZN	EC	wc	NC
Cardiac glycoside								х	
Slangkop									
Crotolaria									х
Gifblaar	х								
Gousiekte									
Cestrum (ink berry)		х			Х		х		
Tulip				х	Х	х		х	
Cynanchum (bobbejaantou)							х		
Facial eczema					х		х		
Lantana	х	х	х			х			
Prussic acid	х				х				
Senecio							х		
Cotula nigellifolia (stagger wood)									
Geeldikkop (duwweltjies) and dikoor									

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

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

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

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

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

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

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

www.landbou.com

Vra vir Faffa

Klik op Indeks van antwoorde

Klik op Beeste of Skape

Klik op Vergiftigings

Klik op die Opskrifte

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

A fe cases of Lantana-poisoning were reported.

Research are being done to control Lantana:

We would like to investigate involvement of your readers and yourself in the development of a National Programme for Management of Lantana similar to the attached National Programme for Management of Parthenium. Our focus would be on the biological control of the species, however, farmers, landowners and communities would be interested in an integrated approach to the management of the species. Please do bear in mind that the rust-fungus will unfortunately not be a 'silver-bullet' as it is likely to impact some subspecies more than others and work better in some micro-climates than others..

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

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

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

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

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

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

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

Nutritional deficiencies

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

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

As winter sets in more and more nutritional deficiencies will be reported.

Micro-nutritional deficiencies

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

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

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

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

Beware of fluoride poisoning as borehole water levels drop.

Supplement animals with vitamin A during winter and drought conditions.

Multifactorial diseases and other conditions

The following conditions were reported by practices in the provinces

Multifactorial diseases and other conditions	MP	G	L	NW	FS	KZN	EC	wc	NC
Abortions	х	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
Bloat	х				х	х	х	х	
Blue udder	х	х			х	х	х	х	
Diarrhoea	х	х		х	х	х		х	х
Epididymitis							х	х	
Eye cancer									х
Eye infections	х	х	х	х	х	х	х	х	х
Joint ill		х	х		х	х		х	х
Lameness/foot problems	х	х	х	х	х	х		х	
Lung infection	х	х	х	х	х	х	х	х	х
Mastitis	х	х		х	х	х		х	
Navel ill	х	х		х			х	х	
Red gut (sheep, torsion of gut)					х	х			х
Rectal prolaps									
Swelsiekte									
Traumatic reticulo-pericarditis	х							х	
Trauma	х	х			х	х	х		

Teeth wear							
Plastic bags (ingestion)							
Downer	х	х		х	х	х	х
							,

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

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

Pneumonia and lameness (foot conditions) are wide spread.

Metabolic diseases

The following diseases were reported by practices in the provinces:

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

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

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

Reproductive diseases

Reproductive diseases	MP	G	L	NW	FS	KZN	EC	wc	NC
Dystocia (difficult births)	х	х	х	х	х	х	х	х	х
Endometritis					х	х	х	х	
Hydrops									

Metritis	х	х	х	х	х	х	х	х
Poor conception	х		х	х	х		х	
Retained afterbirth	х		х	х	х	х	х	
Sheath prolaps		х		х	х			
Uterine prolaps	х			х	х		х	х
Vaginal prolaps	х	х		х	х	х	х	
Penis injury								
Orchitis								

Environmental conditions

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

Be prepared when cold spells and snow fall are forecasted.

Other conditions

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

Trauma (fractures etc)	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

Bathurst – Dr. Jane Pistorius
Cape Town – Sophette Gers
George – Dr. Mark Chimes
Jeffreys Bay – Drs. Louis Hoek and Alf Lategan
Tulbagh – Dr. Dirk Triegaardt
Vanderbijlpark – Dr. Kobus Kok
Vaalwater – Dr. Annemieke Muller

Equines Gauteng Muldersdrift Theilreriosis - 3 Nigel Syringa berry toxicity

Northern Cape

Upington

Stomach rupture – Friesian stallion died overnight. Feeding of lucern, idiopathic ileus?

Game

Mpumalanga

Karino

Sarcoptic mange – Lion cubs Ticks – Tick burdens lower in all species

Lydenburg

Lungs - Roan - 3 died, septic pneumonia

Middelburg

Heartwater - 3

Gauteng

Pretoria

Heartwater tick – 2 Brown ear tick – 2 Lungs – 1 Lameness – 1 Abscesses - 1

Limpopo

Bela-Bela

Balance problem - 1 Springbuck

Suspectedsecondary photosensitivity from plants causing skin problems- - I Golden wildebeest Anaemia, wireworm, emaciation with secondary theileriosis – 4 Sable

Emaciation – Nyala bull

Opthalmia – one Rhino, eye damaged by blindfold

Downer – I Golden wildebeest not able to stand after transport

Thabazimbi

Middelburg and West Nile virus - Young buffalo bull with neurological signs (paresis and recumbency) and eventual death on which viral testing was positive for Middelburg Virus and West Nile Virus (ZRU161/18 & ZRU160/18) in the Alma area.

North West

Klerksdorp

Protein and Energy deficiency - 1

Free State

Gariep

Lungs - Roan

Eastern Cape

Western Cape

Vredenburg

Milk fever -Buffalo cow died during birth Necrotic enteritis – Buffalo calf, 3 days old

Ostriches

Western Cape

Oudtshoorn

Eye problems - Dust cold and close proximity as animals need to be fed. Moraxella/ Mycoplasma

Rhinitis/Sinusitis - Dust and cold

Drought - Everything needs to be fed. Late ostrich chicks suffer form acute Pet now with cold fronts and snow. High mortalities as there are no fat reserves.

Swine

Northern Cape Upington

E.coli – Farmer not vavccinating his pigs

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

Bacteriology

Fluorescent antibody staining identified cases of *Clostridium novyi* in cattle and a rhino. It was also possible to culture the rhino isolate, which was identified as type A. Although the FA staining is equally positive for both types A and B of *C. novyi*, it does not seem to correlate with immunity, as there seems to be little cross-protection between types A and B. This appeared to also be so for the rhino, because it had been vaccinated only with a vaccine containing type B. Other cattle cases were positive for *C. chauvoei* and *C. septicum*, respectively.

Cattle abortions were due to *Brucella abortus* [2 cases, to be confirmed] and *Arcobacter butzleri*. *Arcobacter* is related to *Campylobacter*, and is associated with sporadic abortions.

There were 10 cases of calf diarrhoea due to *E. coli*, two of them together with *Cryptosporidium*. One of the *E. coli* isolates was an Extended Spectrum Beta Lactamase producer, which means that all penicillin group antibiotics, and often many more, are ineffective. Three cases were due to *Salmonella*, and there was a case of septicaemia due to *Salmonella* Typhimurium as well.

Liver abscesses in cattle were due to *Trueperella pyogenes*.

Bovine Respiratory Disease was due to *Pasteurella multocida* [7], *Mannheimia haemolytica* [2], *Mannheimia* type 9 [2], *Histophilus somni* [2], *Mycoplasma* [3], *Trueperella pyogenes* [1] and *Streptococcus suis* [1].

Enteritis in lambs was due to *E. coli* in 10 cases. The new virulence factor test performed on one isolate showed that it carried an attachment factor as well as a toxin gene, which indicated that it was a pathogenic strain, and a good vaccine candidate.

Abscesses in sheep were caused by Actinobacillus lignieresii [1] and Trueperella pyogenes [2].

It is important to keep multi-use syringes used for anthrax vaccines separate, and never use them for oily preparations, such as some antiparasitics as well as oil-based vaccines, when injecting goats. The anthrax vaccine strain remains relatively virulent for goats, and a very few anthrax spores may be left behind in the syringe after cleaning. The oil acts as an adjuvant, and allows the vaccine strain to multiply, often with fatal effects for goats. Cattle and sheep are usually unaffected.

Pneumonia in pigs was associated with *Pasteurella multocida* [3], *Haemophilus parasuis* [1] and *Actinobacillus pleuropneumoniae* [1].

Enteritis in pigs was associated with E. coli in 7 cases, one of them with Cryptosporidium as well.

A rhino with nervous symptoms yielded Streptococcus canis [Lancefield G] from the brain.

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

Condition	Comments and Specie
Intestinal roundworms	0 3
Tapeworms	0 2
Parafilaria	B 1
Cysticercosis (measles)	В 3
Blue ticks	В 3
Heartwater tick	В 3
Brown ear-tick	В 3
Bont-legged tick	B 2
Red-legged tick	B,O 3
Biting lice	01
Nuisance flies	B,O 3
Blowflies	0 1

Midges	B,O 3
Asiatic red water	В 3
Anaplasmosis	В 3
Lumpy skin disease	B 2
Trichomonosis	B2 (4 out of 6 bulls tested positive)
Blackleg	B 1
Swelled head	0 1
Red gut	В 3
Blood gut	03
Pulpy kidney	0 2
Salmonellosis	B 1
FSE	0 1
E . coli	B,O 3
Cryptosporidisis	03
Ringworm	В 3
IBR	B 2
EBL	B 1
Warts	В 3
Protein deficiency	B,O 2
Energy deficiency	B,O 3
Phosphate deficiency	В 3
Calcium deficiency	0 1
Zinc deficiency	В 3
Dystocia	B 1

Abscesses	В 3
Eye infection	B 1
Joint ill	B 1
Lameness	B,O 3
Lungs	B,O 3
Navell ill	B 1
Diarrhoea	В 3
Abscesses	В 3
Trauma	B,O 3
Pericarditis	B 3, O 2
Traumatic pericarditis	B 1

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

Condition	Comments and Specie
Tapeworms	В 3
Liver fluke worms	В 3
Cysticercosis (measles)	B 1
Blue ticks	B 1
Red gut	В 3
Ringworm	В 3
Leptospirosis	B 1
Coccidiosis	В 3
BVD	B 2
IBR	В 3

Warts	В 3
Water contamination	B 2
Protein deficiency	В 3
Energy deficiency	В 3
Trace Mineral deficiencies	В 3
Lameness	В 3
Lungs	В 3
Eye infection	В 3
Abscesses	B,C 3

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

Specialist Veterinary Pathologist, Vetdiagnostix - Veterinary Pathology Services

Contributors

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

	LIVESTOCK DISEASE SURVEILANCE		
LIVESTOCK SPECIES	DISEASE AGENT	NO. CASES	LOCATION
Bovine, Adult Cow	Dermatophilosis	1	Pongola, KZN
Bovine, Feedlot Weaner	Coccidiosis	1	Newcastle, KZN
Lamb, Orphan	Sarcina-like bacteria	1	Newcastle, KZN
Lambs, 1 week	Cryptosporidiosis	1	Pietermaritzburg, KZN
Lamb, 1 month	Coccidiosis	1	Bethlehem, Free State
Bovine, Calf	Coccidiosis	1	Mooi River, KZN
Ovine Lamb, 3 weeks	Cryptosporidiosis	1	Dundee, KZN
Bovine, Dairy Calf	Cryptosporidiosis and mycotic abomasitis	1	Howick, KZN
Lambs, 2 weeks	Cryptosporidiosis	1	Howick, KZN
Lambs, 2 weeks	Cryptosporidiosis	1	Parys, Free State

WILDLIFE DISEASE SURVEILANCE

		NO.	
WILDLIFE SPECIES	DISEASE AGENT	CASES	LOCATION
Cheetah, Adult	Renal amyloidosis, pyelonephritis, uremic		
Female	gastropathy	1	Al Bustan, Dubai
Waterbuck, Adult			
Cow	Cerebrocortical necrosis	1	Pietersburg, Limpopo
Impala, Lambs	Coccidiosis	1	Thabazimbi, Limpopo
Sable, Aborted			Phalaborwa,
Fetus	Congenital biliary atresia	1	Mpumulanga
Roan, Calf	Cryptosporidiosis	1	Kroonstad, Free State
Nyala Bull	Aspiration pneumonia	1	Tzaneen, Limpopo
Nyala, Adult Cow	Transport tetany	1	Mtubatuba, KZN

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

Condition	Comments and Specie
Conical fluke	B 1
Asiatic red water	B 2
Lumpy skin disease	B 1
Vibriosis	B 1
Pulpy kidney (FSE)	G 1
ТВ	B 1
Tuberculosis	B 1
BMC (snotsiekte)	B 1
Jaagsiekte	0 1
Abortion	B,O 2





Section of Pathology Department of Paraclinical Sciences Faculty of Veterinary Science

26th June June 2018

DAFF

Import/Export Policy Unit Subdirectorate

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Monthly report: Faculty of Veterinary Science cases

Cases sent to referring veterinarians between 30th May and 26th June 2018

Cases from State vet Skukuza or Orpen

Cases imported with master permit (none)

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

Kind regards,

Mily Mitchell

Prof. Emily Mitchell

DISEASE DISTRIBUTION REPORT AS REPORTED BY VETERINARIANS

Table of Contents

Internal Parasites

Roundworms in general, Resistant Round Worms, Wireworm, Brown stomach-worm, Nodular worm, Tape Worms, Parafilaria, Liver fluke, Conical Flukes, Cysticercosis, Other

External Parasites	Blue ticks, Resistant blue Ticks, Heartwater (Bont) ticks, Brown earticks, Bont-legged ticks, Red-legged ticks, Paralysis ticks, Biting lice (red lice), Sucking lice (blue lice), Scab mites, Mange Mites, Nuisance Flies, Blowflies, Screw-worm, Nasal bot larvae, Tampans, Other
<u>Tick-borne Diseases</u>	African red water, Asiatic red water, Anaplasmosis, Heartwater, Sweating Sickness
Insect Transmittable Diseases	Lumpy skin disease, Three-day-stiffsickness, Blue tongue, Nagana
Venereal Diseases	Trichomonosis, Vibriosis, Pizzle disease
Bacterial Disease (other)	Blackquarter, Botulism, Pulpy Kidney, Swelled head disease, Redgut (cattle), Blood gut (Sheep), Tetanus, Salmonellosis, Brucella abortus, Brucella ovis, Johne`s disease, Septicaemia, E. coli, Enzootic Abortion, Intrauterine Gangrene, Fusibacterium necrophorum, Other
Protozoal diseases (other)	Coccidiosis, Cryptosporidium
Fungal diseases	<u>Ringworm</u>
Viral Diseases (other)	BMC, Rabies, BVD (Bovine viral diarrhoea), IBR (Infectious bovine rhinotracheitis), Enzootic Bovine Leucosis (EBL), Jaagsiekte, Orf, Warts, Rota virus
Poisonings (Plant) and Fungal	Cardiac glycoside poisoning, <i>Cestrum</i> , <i>Cynanchum</i> poisoning, Facial eczema, Gifblaar, <i>Lantana</i> , Nitrate poisoning, Prussic acid poisoning, Seneciosis, Tulip Poisoning, Vermeersiekte (<i>Gaigeria</i> spp.), Mycotoxicosis, Other
Poisonings	<u>Urea Poisoning, Snake Bite, Other</u>
Macro Nutritional Problems	Energy deficiency, Protein deficiency, Phosphate deficiency, Calcium deficiency
Micro Nutritional Problems	Copper deficiency, Zinc deficiency, Selenium deficiency, Magnesium deficiency, Manganese deficiency, Vitamin A deficiency, Vitamin B deficiency
Multi-factorial Disease Conditions	Abortions, Stillbirths, Abscesses, Abscesses in general, Bladder stones, Blindness, Bloat, Blue udder, Diarrhoea, Epididymitis, Eye Cancer, Eye infections, Joint III, Lameness/Foot Problems, Lung infection, Mastitis in general, Navel III, Redgut (Sheep), Trauma, Downer, Traumatic Reticulo-pericarditis, Other
Metabolic Diseases	Acidosis, Displaced abomasum, Ketosis, Milk Fever
Reproductive diseases	Dystocia (Difficult Births), Endometritis, Metritis, Poor conception, Retained afterbirth, Sheath Prolaps, Uterus prolaps, Vaginal (Cervical) prolaps
Climatical Cause	Cold exposure, Drought, Frozen to death
Non specific diseases	Cause of death not established, Preditors, Sabotation - Theft, Trauma

Internal	Parasites								
Roundworms in general								^	
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.4 (5)	2.0 (4)	1.5 (2)	1.4 (5)	2.3 (6)	1.6 (9)	1.3 (3)	2.0 (6)	2.5 (2)
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								0 cases
Beef	1.0 (2)			1.5 (2)	3.0 (1)	1.3 (3)		2.0 (1)	2.0 (1)
Sheep	2.0 (2)	1.7 (3)	2.0 (1)	1.5 (2)	2.2 (5)	1.7 (3)	1.3 (3)	2.0 (4)	3.0 (1)
Goat	1.0(1)	3.0 (1)	1.0(1)	1.0(1)		1.7 (3)		2.0 (1)	
Mpumalang									
	four Diereklini	iek							
Beef: 1, Shee	ep: 1, Goat: 1 Longtom Dier	akliniak							
Sheep: 3	Longton Dien	CKIIIICK							
•	lelspruit Anima	al Hospita	ı						
Beef: 1									
Gauteng	Panefantain	Diarahas	nito a l						
Sheep: 1	, Bapsfontein	Dierenos	pitaai						
	ima Veterinar	y Consult	ing Rooms	.					
Sheep: 3, Go	at: 3	•	_						
	nderstepoort A	cademic I	Hospital ar	nd Produ	iction A	nimal Clinic			
Sheep: 1									
Limpopo Makhado, B	louberg Dierel	kliniek							
Sheep: 2									
-	aneen Dierekl	iniek							
Goat: 1									
North West									
	Klerksdorp Di	erenospit	aaı						
	Beef: 2, Sheep: 2 Ventersdorp, Ventersdorp Dierekliniek								
Beef: 1, Shee		JICI CRIII							
	, -, -, -, -								

Free State

Bloemfontein, Dr Stephan Wessels

Clocolan, Clocolan Dierekliniek

Sheep: 1

Frankfort, Frankfort Dierekliniek

Sheep: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Sheep: 2

Kwazulu-Na	atal								
	ugela Vet Clini	<u></u>							
Beef: 1, Shee		· ·							
	tcourt Vet Clir	nic.							
Sheep: 2	tcourt vet ciii	IIC							
	Mtubatuba Ar	simal Clin	io						
	Mtubatuba Ar	IIIIIai Ciiii	IC .						
Beef: 2, Goat		wasatla							
Beef: 1	Ncanduvet Ne	wcastie							
	mmalla Dunial (CC Vat							
	nnelle Duvel (cs vet							
Goat: 2	de alid Delice at 1								
	heid Privaat \	reeartse							
Sheep: 2									
Eastern Cap		- Diamalili	.!						
	h, Hertzogbrug	Dierekili	піек						
Sheep: 1	CI - I - V - I C - C								
	State Vet Cofi	mvaba							
Sheep: 1			.						
	et, Graaff Reir	iet Veterii	nary Clinic	;					
Sheep: 2									
Western Ca									
	erberg Veteri	nary Hosp	ital						
Sheep: 2									
	jerberg Diereh	ospitaal [Darling						
Beef: 2, Shee	•								
Oudtshoorn	, Ostrimed								
Goat: 2									
	Riversdal Dier	ekliniek							
Sheep: 2									
	h, Stellenbosc	h Animal	Hospital						
Sheep: 2									
Northern Ca	аре								
Kimberley,	Kimberley Die	rekliniek							
Sheep: 3									
Kuruman, S	tate Vet Kurui	man							
Beef: 2									
Resistant	Round Wo	rms							_
DDOVINCE	Mnumalanga	Gautena	Limpono	North	Free	Kwazulu-	Eastern	Western	Northern
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
PROVINCE	Mpumalanga	Gauteng	Limpopo						
				West	State				
PROVINCE Average	Mpumalanga	Gauteng 2.0 (2)	Limpopo 1.0 (2)		State 3.0				
				West	State				
Average	1.5 (2)	2.0 (2)	1.0 (2)	West 1.0 (1)	3.0 (2)	Natal	Cape	Cape	Cape
Average Level of impo		2.0 (2)	1.0 (2)	West 1.0 (1)	3.0 (2)	Natal	Cape	Cape	Cape
Average	1.5 (2)	2.0 (2)	1.0 (2)	West 1.0 (1)	3.0 (2)	Natal	Cape	Cape	Cape
Average Level of imporeported	1.5 (2) ortance scale: 1	2.0 (2) = one case	1.0 (2) e, 2 = more	West 1.0 (1) than one	3.0 (2)	Natal	Cape	Cape	Cape
Average Level of impo	1.5 (2)	2.0 (2)	1.0 (2)	West 1.0 (1)	3.0 (2) e case bu	Natal	Cape	Cape	Cape
Average Level of imporeported Sheep	1.5 (2) ortance scale: 1 1.0 (1)	2.0 (2) = one case 2.0 (1)	1.0 (2) e, 2 = more 1.0 (1)	West 1.0 (1) than one	3.0 (2)	Natal	Cape	Cape	Cape
Average Level of impore reported Sheep Goat	1.5 (2) ortance scale: 1 1.0 (1) 2.0 (1)	2.0 (2) = one case	1.0 (2) e, 2 = more 1.0 (1)	West 1.0 (1) than one	3.0 (2) e case bu	Natal	Cape	Cape	Cape
Average Level of impore reported Sheep Goat Mpumalang	1.5 (2) ortance scale: 1 1.0 (1) 2.0 (1) a	2.0 (2) = one case 2.0 (1) 2.0 (1)	1.0 (2) e, 2 = more 1.0 (1)	West 1.0 (1) than one	3.0 (2) e case bu	Natal	Cape	Cape	Cape
Average Level of impore reported Sheep Goat Mpumalang	1.5 (2) ortance scale: 1 1.0 (1) 2.0 (1)	2.0 (2) = one case 2.0 (1) 2.0 (1)	1.0 (2) e, 2 = more 1.0 (1)	West 1.0 (1) than one	3.0 (2) e case bu	Natal	Cape	Cape	Cape

Nelspruit, Nelspruit Animal Hospital Goat: 2 Gauteng **Pretoria, Anima Veterinary Consulting Rooms** Sheep: 2, Goat: 2 Limpopo Polokwane, Pietersburg Veterinary Clinic Sheep: 1, Goat: 1 **North West** Ventersdorp, Ventersdorp Dierekliniek Sheep: 1 **Free State Bloemfontein, Dr Stephan Wessels** Sheep: 3 Hoopstad, Hoopstad Dierekliniek Sheep: 3 Wireworm North Free Kwazulu-Eastern Western Northern **PROVINCE Mpumalanga Gauteng Limpopo** West Natal State Cape Cape Cape 2.1 3.0(2) 2.0(2)1.7 (3) 1.5 (4) 2.0(2)1.7 (3) Average (8)Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported 3.0 **Beef** (1) 1.8 1.3 (3) 2.0 (2) 1.7 (3) 2.0(1)1.0(2) 3.0(1) Sheep (6) 3.0 Goat 2.0(1)3.0(1) 2.0(1)3.0(1) Mpumalanga **Nelspruit, Nelspruit Animal Hospital** Goat: 2 Piet Retief, Pets Vet Hospital Sheep: 2 Gauteng Bapsfontein, Bapsfontein Dierehospitaal Hammanskraal, Themba Animal Clinic Sheep: 1, Goat: 3 Limpopo **Polokwane, Pietersburg Veterinary Clinic** Sheep: 3, Goat: 3 **Free State** Clocolan, Clocolan Dierekliniek Sheep: 1 Ficksburg, Oosvrystaat Diere Produkte Sheep: 1, Goat: 3 Frankfort, Frankfort Dierekliniek Sheep: 2

Hoopstad, H	Hoopstad Dier	ekliniek							
Beef: 3, Shee									
	land Dierehos	pitaal							
Sheep: 2									
	/inburg Dierek	liniek							
Sheep: 2									
Kwazulu-Na	atal								
Camperdow	vn, Camperdov	vn Vet Cli	nic						
Sheep: 1	,								
	dumeni Herd l	nealth							
Sheep: 1									
	stcourt Vet Cli	nic							
Sheep: 2, Go	at: 2								
Eastern Cap									
	State Vet Cofi	mvaba							
Sheep: 1									
Cradock, Cr	adock Veterin	ary Clinic							
Sheep: 3		-							
Found in win	ter								
Western Ca	ре								
	y, Groenkloof	Diereklini	ek						
Sheep: 3									
Sheep introd	uced from Karoo)							
Stellenbosc	h, Stellenbosc	h Animal	Hospital						
Sheep: 1									
Sheep: 1	Durban Straat	. Dielekiiii	iek worce	Stei					
Brown st	omach-wor	m							_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average							3.0 (1)	2.0 (2)	
Level of impereported	ortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than te	en and 3 =	more than 1	0 cases
Sheep								2.0 (1)	
Goat							3.0 (1)	2.0 (1)	
Eastern Cap	oe								
-	adock Veterin	arv Clinic							
Goat: 3		,							
Angora kids									
Western Ca	pe								
	(WC), Heidelb	erg Dierel	kliniek						
	, ,, ,								
Sheep: 2									
Sheep: 2	n, Ostrimed								
Sheep: 2 Oudtshoo rn	, Ostrimed								
Sheep: 2 Oudtshoorn Goat: 2	ea								,
Sheep: 2 Oudtshoorn Goat: 2 With diarrhoe	ea	Gautene	Limnono	North	Free	Kwazulu-	Eastern	Western	Northern

				West	State	Natal	Cape	Cape	Саре	
Avorago							2.0.(2)			
Average							2.0 (2)			
Level of impo	ortance scale: 1	= one case	2 = more	than one	e case hi	it less than te	en and 3 =	more than 1	n cases	
reported	ortance scale: 1	one case	., 2 111010	chan one	case be	at 1055 than to	on ana 5	more than I	o cases	
Chaon							2.0.(2)			
Sheep							2.0 (2)			
Eastern Cap		l								
	State Vet Cofi	mvaba								
Sheep: 1	(EC), Steynsb	ura Dierel	nosnitaal							
Sheep: 3	(LC), Steylisb	arg Dierei	iospitaai							
Tape Wo	rms								^	
PROVINCE	Mpumalanga	Gauteng	Limpopo	North	Free	Kwazulu-	Eastern	Western	Northern	
				West	State	Natal	Cape	Cape	Cape	
					2.5					
Average	2.0(1)	1.0(1)			2.5	1.5 (2)	3.0(1)	1.0(1)	2.0(1)	
					(2)		()	11 ()		
11 -6:	evel of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10									
reported	ortance scale: 1	= one case	e, 2 = more	tnan one	e case bi	ut iess than te	en and 3 =	more than 1	U cases	
reported										
Sheep					2.5	2.0(1)	3.0 (1)	1.0(1)		
Sileep					(2)	2.0 (1)	3.0 (1)	1.0 (1)		
Goat	2.0(1)	1.0(1)				1.0(1)			2.0(1)	
Mpumalang						<u> </u>	<u>.</u>		()	
	lelspruit Anima	al Hospita	l							
Goat: 2										
Gauteng										
Hammanski	raal, Themba <i>l</i>	Animal Cli	nic							
Goat: 1										
Free State										
	in, Dr Stephan	Wessels								
Sheep: 3	Kroonstad Die	uoboomito								
Sheep: 2	KIOOIIStau Die	тепоѕріта	aı							
Kwazulu-Na	atal									
	tcourt Vet Clir	nic								
Goat: 1										
Underberg,	Underberg Ve	terinary S	urgery							
Sheep: 2										
Eastern Cap										
Cradock, Cradock Veterinary Clinic										
Sheep: 3		fod in	intentions	of	م ماسم	L				
Western Ca	unts of tapeworr	ns round ir	intestines	or young	idiTIDS a	t post morter	II			
	pe h, Stellenbosc	h Animal I	Hosnital							
Sheep: 1	ii, Stellelibust	ıı Allıllıdi I	iospitai							
Northern Ca	аре									
	rg, Postmasbu	rg Dierekl	iniek							
Goat: 2		_								

Parafilari	ia								/
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 bi	ut less than te	en and 3 =	more than 1	0 cases
Beef						2.0(1)			
Kwazulu-Na	atal						<u>.</u>		
	Mtubatuba Ar	nimal Clin	ic						
Beef: 2									
Liver fluk	(e								-
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (5)		1.0 (1)	2.0 (1)	1.8 (5)	2.3 (3)	1.0 (1)	1.0 (2)	
Level of imported	ortance scale: 1	= one case	e, 2 = more	than one	e case bi	ut less than te	en and 3 =	more than 1	0 cases
Beef	2.3 (3)		1.0 (1)	2.0 (1)	2.0 (4)	2.0 (2)		1.0 (1)	
Dairy						3.0 (1)		1.0(1)	
Sheep	2.0 (1)				1.0 (1)				
Goat	1.0 (1)						1.0(1)		
Mpumalang	a								
	four Diereklin	iek							
Beef: 2									
	irootvlei Diere	kliniek							
Beef: 2									
	lelspruit Anima	al Hospita							
Goat: 1 Standerton,	Economot								
Beef: 3, Shee									
Limpopo	.ρ. Ζ								
	Pietersburg V	eterinary	Clinic						
Beef: 1		,							
North West									
Ventersdor	, Ventersdorp	Diereklin	iek						
Beef: 2									
Free State									
	rankfort Diere	kliniek							
Beef: 2									
Ladybrand,	Ladybrand								
Beef: 2									

Doitz Diam	land Dierehos	nitaal							
	iailu Dieleilos	pitaai							
Beef: 2	wanaant Dianal	elimiale Va							
	gepoort Dierek	kliniek vei	nnootskap						
Beef: 2, Shee	•								
Kwazulu-Na									
	wick Veterinar	y Clinic							
Beef: 2, Dairy									
	Ncanduvet Ne	wcastle							
Beef: 2									
Eastern Cap									
	adock Veterina	ary Clinic							
Goat: 1									
Angora kid									
Western Ca	pe								
Darling, Tyg	gerberg Diereh	ospitaal [Darling						
Dairy: 1									
Worcester,	Durban Straat	Diereklin	iek Worce	ster					
Beef: 1									
Conical F	lukoa								^
Conical F	lukes								_
						17 - 1			A1 - 11
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern	Western	Northern
				west	State	Natai	Cape	Cape	Cape
Average	2.0(2)			1.0(1)	1.5	3.0 (2)	3.0 (1)		
Average	2.0 (2)			1.0 (1)	(4)	3.0 (2)	3.0 (1)		
								l	
Level of impo	ortance scale: 1	= one case	e, 2 = more	than one	case bu	ut less than te	en and 3 =	more than 1	0 cases
reported									
					1.2				
Beef	1.0(1)			1.0(1)	1.3		3.0 (1)		
					(3)		- 11 ()		
Dairy						3.0(1)			
-					2.0				
Sheep	3.0(1)								
•	()				(1)		_		
Goat						3.0(1)			
Mpumalang	a					()	<u>.</u>		
	four Diereklini	iok							
Beef: 1	ioui Dierekiiii	ICK							
	regloed Veteri	nâra Snra	okkamer						
Sheep: 3	regioed veterii	ileie Spie	ckkaiiici						
North West									
	o, Ventersdorp	Diereklin	iak						
Beef: 1	p, ventersuorp	DICICKIII	IICK						
Free State									
	rankfort Diere	kliniek							
Beef: 2	ialikiuit Diere	KIIIIEK							
	land Diorobes	nitaal							
	land Dierehos	piladi							
Beef: 1	nonocut P!!	elimiale V							
	gepoort Dierek	kiiniek vei	ппоотѕкар						
Beef: 1, Shee									
Kwazulu-Na									
Estcourt, Es	tcourt Vet Clir	IIC							

Goat: 3											
Howick, Ho	wick Veterinar	y Clinic									
Dairy: 3											
Eastern Cap											
Alexandria, Beef: 3	Alexandria Pla	atteland S	preekkam	er							
Cysticerc	osis								^		
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Average	2.0 (2)	2.0 (1)			1.0 (1)	2.0 (1)			2.0 (1)		
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported											
Beef	3.0 (1)	2.0 (1)			1.0 (1)	2.0 (1)					
Sheep	1.0(1)								2.0(1)		
Mpumalang	а										
	, Middelburg [Dierehosp	itaal								
Sheep: 1											
Nelspruit, N	elspruit Anima	al Hospita	l								
Beef: 3											
Gauteng											
Bapsfontein	, Bapsfontein	Dierehos	oitaal								
Beef: 2											
Free State											
Kroonstad,	Kroonstad Die	rehospita	al								
Beef: 1											
Kwazulu-Na	ital										
Pietermarit	zburg, Richmo	nd Veteri	nary Clinic	:							
Beef: 2											
Northern Ca	-										
Postmasbur	g, Postmasbu	rg Dierekl	iniek								
Sheep: 2											
Other									^		
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Average					2.0 (1)						
Level of impore	ortance scale: 1	= one case	e, 2 = more	than one	e case bu	ıt less than te	n and 3 =	more than 1	0 cases		
Sheep 2.0 (1)											
Free State											
Winburg, W	inburg Dierek	liniek									

Sheep: 2											
External	Parasites										
Blue ticks											
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northerr Cape		
Average	2.2 (5)	3.0 (1)	1.4 (5)	2.0 (2)	2.8 (8)	2.4 (8)	2.0 (2)	2.0 (4)	3.0 (1)		
Level of imported	ortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than to	en and 3 = 1	more than 1	0 cases		
Beef	2.2 (5)	3.0 (1)	1.7 (3)	2.0 (2)	2.7 (6)	2.3 (7)	2.0 (1)	2.0 (2)	3.0 (1)		
Dairy					3.0 (1)	3.0 (1)	2.0 (1)	2.0 (2)			
Sheep			1.0 (1)		3.0 (1)						
Goat											
Beef: 2 Lydenburg, Beef: 2 Middelburg Beef: 3 Nelspruit, N Beef: 3 Gauteng Magaliesbur	nal Diereklinie Lydenburg Die , Middelburg I elspruit Anima rg, Magaliesbu	erespreek Dierehosp al Hospita	itaal I								
Beef: 2	louberg Dierel Dr Henk Visse										
Beef: 1 Polokwane, Beef: 2, Shee North West	Pietersburg V p: 1, Goat: 1	eterinary	Clinic								
Leeudorings Beef: 3	stad, Leeudori	ngstad Di	erekliniek								
Beef: 1	n season , Ventersdorp	Diereklin	iek								
Free State Bloemfontei Beef: 3	in, Dr Stephan	Wessels									
	rankfort Diere	kliniek									

Beef: 3 Hoopstad, Hoopstad Dierekliniek Beef: 3, Sheep: 3 Kroonstad, Kroonstad Dierehospitaal Beef: 3, Dairy: 3 **Memel, Memel Veterinary Clinic** Beef: 1 Winburg, Winburg Dierekliniek Beef: 3 Kwazulu-Natal **Bergville, Bergville Veterinary Clinic** Beef: 3 Bergville, Tugela Vet Clinic Beef: 2 **Howick, Howick Veterinary Clinic** Beef: 3, Dairy: 3 Mtubatuba, Mtubatuba Animal Clinic Beef: 2 **Newcastle, Ncanduvet Newcastle** Beef: 1 Pietermaritzburg, Richmond Veterinary Clinic Beef: 2 Tick numbers declining from previous month Vryheid, Vryheid Privaat Veeartse Beef: 3 **Eastern Cape** Alexandria, Alexandria Platteland Spreekkamer **Graaff-Reinet, Graaff Reinet Veterinary Clinic** Beef: 2 **Western Cape** Malmesbury, Dr Otto Kriek Dairy: 1 Cows should be dipped when moving them from one area to another **Malmesbury, Groenkloof Dierekliniek** Beef: 3 **Oudtshoorn, Oudtshoorn Dierekliniek** Beef: 1 Swellendam, Swellendam Dierehospitaal Dairy: 3

Northern Cape

Kuruman, State Vet Kuruman

Beef: 3



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

3.0 Beef 1.0(1)1.0(1) **(1) Mpumalanga Nelspruit, Nelspruit Animal Hospital** Beef: 1 Limpopo Polokwane, Pietersburg Veterinary Clinic Beef: 1 **Free State** Winburg, Winburg Dierekliniek Beef: 3 **Heartwater (Bont) ticks** Northern Kwazulu-Western North Free Eastern **PROVINCE Mpumalanga Gauteng Limpopo** West State Natal Cape Cape Cape 1.4 (5) **Average** 2.0(2)1.2 (6) 2.1 (8) 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(4)Beef 2.0(1)1.0 (1) 1.3 (3) Sheep 1.5 (2) 1.0(2)2.0(1)Goat 2.0(1)1.5 (2) 1.0 (1) 2.3 (3) **Mpumalanga Nelspruit, Nelspruit Animal Hospital** Beef: 2, Goat: 2 Gauteng Hammanskraal, Themba Animal Clinic Beef: 1, Sheep: 1, Goat: 1 **Pretoria, Anima Veterinary Consulting Rooms** Sheep: 2, Goat: 2 Limpopo Makhado, Blouberg Dierekliniek Beef: 2 Mokopane, Dr Henk Visser Beef: 1, Sheep: 1 Polokwane, Pietersburg Veterinary Clinic Beef: 1, Sheep: 1, Goat: 1 Kwazulu-Natal **Bergville, Bergville Veterinary Clinic** Beef: 2 Mtubatuba, Mtubatuba Animal Clinic Beef: 3, Goat: 3 Pietermaritzburg, Richmond Veterinary Clinic Beef: 1 Pongola, Pongola Animal Clinic Sheep: 2, Goat: 2 Ulundi, Dr Annelle Duvel CCS Vet Beef: 2, Goat: 2

Brown ear-ticks

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)	1.0 (1)	2.0 (2)						
Level of imported												
Beef	1.7 (3)		2.0 (1)	1.0 (1)	1.0 (1)	2.0 (2)						
Balfour, Balfour Dierekliniek Beef: 1 Middelburg , Middelburg Dierehospitaal Beef: 2 Standerton, Econovet Beef: 2 Limpopo Makhado, Blouberg Dierekliniek Beef: 2 North West Ventersdorp, Ventersdorp Dierekliniek Beef: 1 Free State Reitz, Riemland Dierehospitaal Beef: 1 Kwazulu-Natal Mtubatuba, Mtubatuba Animal Clinic Beef: 2 Pietermaritzburg, Richmond Veterinary Clinic Beef: 2												
Bont-lego PROVINCE	Mpumalanga	Gauteng	Limpopo	North		Kwazulu-	Eastern	Western	Northern			
Average	2.0 (3)		2.0 (1)	2.0 (4)	2.2	Natai	1.0 (1)	Саре	2.0 (1)			
	vel of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases											
Level of imported	ortance scale: 1	0.10 000										
Level of impore reported	2.0 (3)	0.10 0.00	2.0 (1)	2.0 (4)	(4)				2.0 (1)			
reported			2.0 (1)	2.0 (4)			1.0 (1)		2.0 (1)			

Beef: 1

iddelburg , Middelburg Dierehospitaal seef: 3 mpopo akhado, Blouberg Dierekliniek seef: 2 morth West mistiana, Christiana Dierehospitaal seef: 3 serksdorp, Klerksdorp Dierehospitaal seef: 3 seeudoringstad, Leeudoringstad Dierekliniek seef: 1 seeudoringstad, Leeudoringstad Dierekliniek seef: 1 seet State sankfort, Frankfort Dierekliniek seef: 3 soopstad, Hoopstad Dierekliniek seef: 3, Sheep: 3 soonstad, Kroonstad Dierehospitaal seef: 2, Dairy: 2, Sheep: 2 seemel, Memel Veterinary Clinic seef: 1 sestern Cape suruman, Kuruman Dierekliniek
sef: 3 mpopo akhado, Blouberg Dierekliniek sef: 2 corth West nristiana, Christiana Dierehospitaal sef: 3 serksdorp, Klerksdorp Dierehospitaal sef: 3 seeudoringstad, Leeudoringstad Dierekliniek sef: 1 sentersdorp, Ventersdorp Dierekliniek sef: 1 sentersdorp, Ventersdorp Dierekliniek sef: 1 sentersdorp, Ventersdorp Dierekliniek sef: 3 sonstad, Kronstad Dierekliniek sef: 3 sonstad, Kroonstad Dierekliniek sef: 3, Sheep: 3 sonstad, Kroonstad Dierehospitaal sef: 2, Dairy: 2, Sheep: 2 semel, Memel Veterinary Clinic sef: 1 setern Cape sumansdorp, Humansdorp Veterinary Clinic siry: 1 sorthern Cape
mpopo akhado, Blouberg Dierekliniek sef: 2 orth West mristiana, Christiana Dierehospitaal sef: 3 serksdorp, Klerksdorp Dierehospitaal sef: 3 seudoringstad, Leeudoringstad Dierekliniek sef: 1 see State sankfort, Frankfort Dierekliniek sef: 3 sopstad, Hoopstad Dierekliniek sef: 3, Sheep: 3 sopstad, Kroonstad Dierekliniek sef: 2, Dairy: 2, Sheep: 2 semel, Memel Veterinary Clinic sef: 1 sestern Cape sumansdorp, Humansdorp Veterinary Clinic siry: 1 orthern Cape
akhado, Blouberg Dierekliniek seef: 2 orth West nristiana, Christiana Dierehospitaal seef: 3 seeksdorp, Klerksdorp Dierehospitaal seef: 3 seeudoringstad, Leeudoringstad Dierekliniek seef: 1 sentersdorp, Ventersdorp Dierekliniek seef: 1 see State sankfort, Frankfort Dierekliniek seef: 3 soopstad, Hoopstad Dierekliniek seef: 3, Sheep: 3 soonstad, Kroonstad Dierehospitaal seef: 2, Dairy: 2, Sheep: 2 semel, Memel Veterinary Clinic seef: 1 sestern Cape sumansdorp, Humansdorp Veterinary Clinic siry: 1 orthern Cape
sef: 2 orth West oristiana, Christiana Dierehospitaal sef: 3 service of the servi
orth West nristiana, Christiana Dierehospitaal eef: 3 eerksdorp, Klerksdorp Dierehospitaal eef: 3 eeudoringstad, Leeudoringstad Dierekliniek eef: 1 eetersdorp, Ventersdorp Dierekliniek eef: 1 eee State rankfort, Frankfort Dierekliniek eef: 3 eopstad, Hoopstad Dierekliniek eef: 3, Sheep: 3 roonstad, Kroonstad Dierehospitaal eef: 2, Dairy: 2, Sheep: 2 eemel, Memel Veterinary Clinic eef: 1 eestern Cape umansdorp, Humansdorp Veterinary Clinic eiry: 1 orthern Cape
arristiana, Christiana Dierehospitaal eef: 3 lerksdorp, Klerksdorp Dierehospitaal eef: 3 leeddoringstad, Leeddoringstad Dierekliniek eef: 1 eef: 1 eet estate leankfort, Frankfort Dierekliniek eef: 3 leopstad, Hoopstad Dierekliniek eef: 3, Sheep: 3 leopstad, Kroonstad Dierehospitaal eef: 2, Dairy: 2, Sheep: 2 eemel, Memel Veterinary Clinic eef: 1 leastern Cape lumansdorp, Humansdorp Veterinary Clinic eiry: 1 loorthern Cape
sef: 3 serksdorp, Klerksdorp Dierehospitaal sef: 3 seudoringstad, Leeudoringstad Dierekliniek sef: 1 sentersdorp, Ventersdorp Dierekliniek sef: 1 set State sankfort, Frankfort Dierekliniek sef: 3 sopstad, Hoopstad Dierekliniek sef: 3, Sheep: 3 seroonstad, Kroonstad Dierekliniek sef: 2, Dairy: 2, Sheep: 2 semel, Memel Veterinary Clinic sef: 1 setern Cape sumansdorp, Humansdorp Veterinary Clinic siry: 1 sorthern Cape
erksdorp, Klerksdorp Dierehospitaal eef: 3 eeudoringstad, Leeudoringstad Dierekliniek eef: 1 entersdorp, Ventersdorp Dierekliniek eef: 1 eee State eankfort, Frankfort Dierekliniek eef: 3 eopstad, Hoopstad Dierekliniek eef: 3, Sheep: 3 eopstad, Kroonstad Dierekliniek eef: 2, Dairy: 2, Sheep: 2 emel, Memel Veterinary Clinic eef: 1 estern Cape emansdorp, Humansdorp Veterinary Clinic eiry: 1 eorthern Cape
seef: 3 seudoringstad, Leeudoringstad Dierekliniek seef: 1 sentersdorp, Ventersdorp Dierekliniek seef: 1 see State sankfort, Frankfort Dierekliniek seef: 3 soopstad, Hoopstad Dierekliniek seef: 3, Sheep: 3 sroonstad, Kroonstad Dierehospitaal seef: 2, Dairy: 2, Sheep: 2 semel, Memel Veterinary Clinic seef: 1 sestern Cape sumansdorp, Humansdorp Veterinary Clinic seiry: 1 sorthern Cape
seeudoringstad, Leeudoringstad Dierekliniek seef: 1 sentersdorp, Ventersdorp Dierekliniek seef: 1 see State sankfort, Frankfort Dierekliniek seef: 3 soopstad, Hoopstad Dierekliniek seef: 3, Sheep: 3 sroonstad, Kroonstad Diereklospitaal seef: 2, Dairy: 2, Sheep: 2 semel, Memel Veterinary Clinic seef: 1 sestern Cape sumansdorp, Humansdorp Veterinary Clinic siry: 1 sorthern Cape
ef: 1 entersdorp, Ventersdorp Dierekliniek ef: 1 eee State enakfort, Frankfort Dierekliniek eef: 3 eoopstad, Hoopstad Dierekliniek eef: 3, Sheep: 3 eroonstad, Kroonstad Dierehospitaal eef: 2, Dairy: 2, Sheep: 2 emel, Memel Veterinary Clinic eef: 1 estern Cape umansdorp, Humansdorp Veterinary Clinic eiry: 1 eorthern Cape
entersdorp, Ventersdorp Dierekliniek eef: 1 eee State eankfort, Frankfort Dierekliniek eef: 3 eoopstad, Hoopstad Dierekliniek eef: 3, Sheep: 3 eoonstad, Kroonstad Dierehospitaal eef: 2, Dairy: 2, Sheep: 2 emel, Memel Veterinary Clinic eef: 1 estern Cape umansdorp, Humansdorp Veterinary Clinic eiry: 1 eorthern Cape
ree State rankfort, Frankfort Dierekliniek reef: 3 roopstad, Hoopstad Dierekliniek reef: 3, Sheep: 3 roonstad, Kroonstad Dierehospitaal reef: 2, Dairy: 2, Sheep: 2 remel, Memel Veterinary Clinic reef: 1 restern Cape ramansdorp, Humansdorp Veterinary Clinic reiry: 1 rorthern Cape
ree State rankfort, Frankfort Dierekliniek ref: 3 roopstad, Hoopstad Dierekliniek ref: 3, Sheep: 3 roonstad, Kroonstad Dierehospitaal ref: 2, Dairy: 2, Sheep: 2 remel, Memel Veterinary Clinic ref: 1 restern Cape remansdorp, Humansdorp Veterinary Clinic ref: 1 rorthern Cape
peef: 3 popstad, Hoopstad Dierekliniek peef: 3, Sheep: 3 proonstad, Kroonstad Dierehospitaal peef: 2, Dairy: 2, Sheep: 2 pemel, Memel Veterinary Clinic peef: 1 pastern Cape pumansdorp, Humansdorp Veterinary Clinic pairy: 1 porthern Cape
peef: 3 popstad, Hoopstad Dierekliniek peef: 3, Sheep: 3 proonstad, Kroonstad Dierehospitaal peef: 2, Dairy: 2, Sheep: 2 pemel, Memel Veterinary Clinic peef: 1 pastern Cape pumansdorp, Humansdorp Veterinary Clinic pairy: 1 porthern Cape
roonstad, Kroonstad Dierehospitaal ref: 2, Dairy: 2, Sheep: 2 remel, Memel Veterinary Clinic ref: 1 restern Cape remended by the statement of
roonstad, Kroonstad Dierehospitaal eef: 2, Dairy: 2, Sheep: 2 emel, Memel Veterinary Clinic eef: 1 estern Cape umansdorp, Humansdorp Veterinary Clinic eiry: 1 orthern Cape
eef: 2, Dairy: 2, Sheep: 2 emel, Memel Veterinary Clinic eef: 1 astern Cape umansdorp, Humansdorp Veterinary Clinic eiry: 1 orthern Cape
emel, Memel Veterinary Clinic pef: 1 pastern Cape umansdorp, Humansdorp Veterinary Clinic pairy: 1 porthern Cape
eef: 1 estern Cape umansdorp, Humansdorp Veterinary Clinic eiry: 1 orthern Cape
estern Cape umansdorp, Humansdorp Veterinary Clinic airy: 1 orthern Cape
umansdorp, Humansdorp Veterinary Clinic airy: 1 orthern Cape
orthern Cape
orthern Cape
•
uruman, Kuruman Dierekiiniek
eef: 2
ici. Z
Red-legged ticks
ROVINCE Mpumalanga Gauteng Limpopo North Free West State Kwazulu- Eastern Cape Cape Cape
verage 1.3 (4) 2.0 (1) 1.3 (4) 2.3 (7) 2.0 (1) 1.0 (1)
evel of importance scale: $1 = \text{one case}$, $2 = \text{more than one case}$ but less than ten and $3 = \text{more than } 10$ cases eported
eef 1.5 (2) 2.0 (1) 1.0 (2) 2.3 (4) 1.0 (1)
2.0 (1)
1.0 (1) 2.5 (2)
2.0 (1) 2.0 (1)
pumalanga

Lydenburg, Lydenburg Dierespreekkamer											
Beef: 2											
Gauteng											
	n, Bapsfontein	Dierehos	pitaal								
Beef: 2											
North West											
Leeudoringstad, Leeudoringstad Dierekliniek											
Beef: 1											
Ventersdor	p, Ventersdorp	Diereklin	iek								
Beef: 1, Shee	ep: 1, Goat: 2										
Free State											
Hoopstad, F	Hoopstad Dier	ekliniek									
Beef: 3, Shee	•										
	Kroonstad Die	rehospita	al								
	y: 2, Sheep: 2										
	mel Veterinary	Clinic									
Beef: 1											
	s Dierehospita	al									
Beef: 3	: : : : : : : : : : : : : : : : : :										
Kwazulu-Na	atal										
	Annelle Duvel (CCS Vet									
Goat: 2	annene Daver (JOS VEL									
Northern Ca	ana										
	ape nu Dierekliniek	,									
Beef: 1	iu Dielekiiiliek	<u> </u>									
beer. 1											
Paralysis	ticks								^		
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Average					2.0 (1)						
Level of impore	ortance scale: 1	= one case	e, 2 = more	than one	e case bi	ut less than te	en and 3 =	more than 1	0 cases		
Beef					2.0 (1)						
Free State											
	in, Dr Stephan	Wessels									
Beef: 2	, 	555615									
200.7 2											
Biting lice	e (red lice)								^		
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Average				3.0 (1)	3.0 (2)	1.0 (1)			2.0 (2)		
Average	ortance scale: 1	= one case	e, 2 = more	<u> </u>	(2)	` /	en and 3 =	more than 1			
Average Level of impo	ortance scale: 1	= one case	e, 2 = more	than one	(2) e case bu	` /	en and 3 =	more than 1			

					(2)				
Sheep									2.0 (1)
Goat									2.0(1)
North West									
Leeudoring	stad, Leeudori	ngstad Di	erekliniek						
Beef: 3									
Free State									
	Kroonstad Die	rehospita	al						
Beef: 3									
Ladybrand,	Ladybrand								
Beef: 3									
Kwazulu-Na									
	ugela Vet Clini	С							
Beef: 1									
Northern Ca	-								
	tate Vet Kurur	nan							
Sheep: 2, Go	at: 2								
Sucking I	ice (blue lic	e)							^
				North	Free	Kwazulu-	Eastern	Western	Northern
PROVINCE	Mpumalanga	Gauteng	Limpopo	West	State	Natal	Cape	Cape	Саре
					3.0			(1)	
Average				3.0(1)	(1)			2.0 (1)	
					(1)				
Level of imp	ortance scale: 1	- one case	2 – more	than one	case hi	ut less than te	n and 3 –	more than 1	U cases
reported	ortanee scale: 1	- one case	., 2 – more	chan one	cusc b	at icss than to	in unu 5 –	more than 1	o cases
						•			
Beef				3.0(1)	3.0				
Deei				3.0 (1)	(1)				
Dairy						_		2.0(1)	
								2.0 (1)	
North West									
	stad, Leeudori	ngstad Di	erekiiniek						
Beef: 3 Free State									
	Ladybyand								
Ladybrand, Beef: 3	Lauybranu								
Western Ca	no								
	pe Jerberg Diereh	ocnitaal [)arling						
Dairy: 2	gerberg bieren	iospitaai L	zarinig						
Dany. Z									
Scab mit	es								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					3.0 (2)	1.7 (3)			
			_						_
	ortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than te	en and $3 =$	more than 1	0 cases
reported									

Sheep					3.0 (2)	1.7 (3)			
Free State									
Bloemfontei	in, Dr Stephan	Wessels							
Sheep: 3									
Frankfort, F	rankfort Diere	kliniek							
Sheep: 3									
Kwazulu-Na									
Bergville, Tu Sheep: 1	ıgela Vet Clini	С							
Newcastle,	Ncanduvet Ne	wcastle							
Sheep: 2									
Vryheid, Vry	heid Privaat V	/eeartse							
Sheep: 2									
Mange Mi	ites								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0(1)	1.5 (2)	2.0 (1)	1.0 (1)		1.0 (1)	2.0 (1)		
Level of impore	ortance scale: 1	= one case	e, 2 = more	than one	e case bu	ut less than te	n and 3 =	more than 10	0 cases
Beef	1.0(1)		2.0 (1)	1.0(1)			2.0(1)		
Sheep		1.0(1)				1.0(1)			
Goat		2.0(1)				, ,			
Mpumalang	a								
	four Diereklini	iek							
Beef: 1									
Gauteng									
Hammanskr	aal, Themba A	Inimal Cli	nic						
Sheep: 1, Goo	at: 2								
Limpopo									
	rtemis Veterin	ary Servi	ces						
Beef: 2									
Two bulls with	h scabies								
North West									
	, Ventersdorp	Diereklin	iek						
Beef: 1 Kwazulu-Na									
	itai Ncanduvet Ne	wcactlo							
Sheep: 1	incalluuvet ine	wcastie							
Eastern Cap	<u>e</u>								
	Riverview Tra	dina Vet (Consulting	Service	s				
Beef: 2		5 700		23.7.00	_				
Nuisance	Flies								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North	Free	Kwazulu-	Eastern	Western	Northern
				West	State	Natal	Cape	Cape	Cape

Average	1.0 (3)					2.0 (1)		2.5 (2)	
	. ,								
Level of imported	ortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than te	en and 3 =	more than 1	0 cases
Beef	1.0(1)					2.0(1)			
Dairy								2.5 (2)	
Sheep	1.0(1)								
Goat	1.0(1)								
Mpumalang		ial.							
	four Diereklini p: 1, Goat: 1	ек							
Kwazulu-Na									
	Mtubatuba Ar	imal Clin	ic						
Beef: 2									
Western Ca									
	,, Dr Otto Krie	k							
Dairy: 3 Malmochur	, Malmesbury	Diorobos	nitaal						
Maimesbury Dairy: 2	, maintespury	Diel ellos	pitaal						
Blowflies									
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 te	en and 3 =	more than 1	0 cases
Dairy								2.0(1)	
Western Ca	ne .							2.0 (1)	
	,, Malmesbury	Dierehos	pitaal						
Dairy: 2	,,		P						
Screw-w	orm								_
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 te	en and 3 =	more than 1	0 cases
Beef	2.0(1)								
Mpumalang									
	lelspruit Anima	al Hospita	ı						
Beef: 2									
Nasal bot	larvae								4

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					1.5 (2)				
Level of imported	ortance scale: 1	= one case	e, 2 = more	than one	e case bu	ıt less than te	en and 3 =	more than 1	0 cases
Sheep					1.5 (2)				
Free State									
	Kroonstad Die	rehospita	al						
Sheep: 2 Wesselsbro i	n, Wesselsbro	n Dierekli	niek						
Sheep: 1	,								
Tampans									<u>'</u>
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average									2.0 (3)
Level of impo	ortance scale: 1	= one case	e, 2 = more	than one	e case bu	ıt less than te	en and 3 =	more than 1	0 cases
Beef									2.0 (1)
Sheep									2.0 (1)
Goat									2.0 (1)
Northern Ca									
	tate Vet Kurur p: 2, Goat: 2	nan							
Other	:p. 2, G0at. 2								
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average						2.0 (1)			
				than one	e case bu	ıt less than te	n and 3 =		
	ortance scale: 1	= one case	e, z = more	chair one			ar aria 5	more than 1	0 cases
Level of impo reported Beef	ortance scale: 1	= one case	e, 2 = more			2.0 (1)		more than 1	0 cases
reported Beef Kwazulu-Na	ntal		e, 2 = more					more than 1	0 cases
reported Beef Kwazulu-Na Pongola, Po			e, z = more					more than 1	0 cases
reported Beef Kwazulu-Na Pongola, Po Beef: 2	ntal		e, z = more					more than 1	0 cases
reported Beef Kwazulu-Na Pongola, Po Beef: 2 Tstetse flies	ntal	Clinic	2, Z = More					more than 1	0 cases
reported Beef Kwazulu-Na Pongola, Po Beef: 2 Tstetse flies	ntal Ingola Animal Ine Disease	Clinic	e, z = more					more than 1	0 cases

PROVINCE	Mpumalanga	Gauteng	Limpopo	North		Kwazulu-	Eastern	Western	Northern
	, J.			West	State	Natal	Cape	Cape	Cape
Average	2.3 (4)	1.5 (2)	2.0 (1)	3.0 (1)	2.0 (3)	2.2 (6)	1.0 (1)		
Level of imported	ortance scale: 1	= one case	, 2 = more	than one	case bu	ut less than te	en and 3 = 1	more than 1	0 cases
Beef	2.3 (4)	1.5 (2)	2.0 (1)	3.0 (1)	2.0 (2)	2.0 (5)	1.0 (1)		
Dairy					2.0 (1)	3.0 (1)			
Mpumalang	a								
	rootvlei Dierel	kliniek							
Beef: 2									
	Longtom Diero	ekliniek							
Beef: 2									
	, Middelburg [Dierehosp	itaal						
Beef: 3									
	Pets Vet Hospi	ital							
Beef: 2									
Gauteng	aal Thomba A	aimal Cli	.i.						
паттапѕкг Beef: 2	raal, Themba A	Animai Cili	1IC						
	derstepoort A	cadomic H	locnital ar	ad Drodi	iction A	nimal Clinic			
Beef: 1	derstepoort A	caueiiic i	iospitai ai	iu Fiout	iction A	illillai Cillic	•		
Limpopo									
	Pietersburg V	eterinary	Clinic						
Beef: 2		,							
North West									
Klerksdorp,	Klerksdorp Di	erehospita	aal						
Beef: 3									
Free State									
Kroonstad, I	Kroonstad Die	rehospita	al						
Dairy: 2									
-	land Dierehosp	pitaal							
Beef: 1									
	on, Viljoenskro	on Dierek	liniek						
Beef: 3	4-1								
Kwazulu-Na Borgwillo Bo		nam. Clini.							
веrgville, ве Beef: 2	ergville Veterii	Hary Clinic							
	wick Veterinar	y Clinic							
Beef: 3, Dairy		y Chille							
	Mtubatuba An	nimal Clini	C						
Beef: 2		a. Jiiii	_						
	zburg, Richmo	nd Veterii	nary Clinic	;					
Beef: 2	. <u>J</u> ,		,						
	Underberg Vet	terinary S	urgery						
Beef: 1									
Eastern Cap	e								
-	n, Queenstowr	Provinci	d Vot Lab						
Queenstowi	i, Queenstowi	I PIOVIIICIO	II ACL FUD						

Asiatic re	d water								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.8 (6)	2.0 (2)		2.0 (2)	3.0 (1)	1.7 (7)	3.0 (1)	2.0 (2)	
Level of impore	ortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than te	en and 3 =	more than 1	0 cases
Beef	1.8 (6)	2.0 (1)		2.0 (2)	3.0 (1)	1.4 (5)	3.0 (1)	2.0 (1)	
Dairy		2.0(1)				2.5 (2)		2.0(1)	
Mpumalang	a						<u>. </u>		
	u four Diereklini	iek							
Beef: 1									
Bethal, Beth	nal Diereklinie	k							
Beef: 2									
	Lydenburg Die	erespreek	kamer						
Beef: 2									
	, Middelburg [Dierehosp	itaal						
Beef: 3	Data Vat IIaaa								
Beef: 2	Pets Vet Hosp	ıtaı							
	ape Cross Vol	keruet Die	rehoenita	al					
Beef: 1	ape Cross von	KSI USC DIC	ileilospita	aı					
Gauteng									
	spruit, Kerkstr	aat Dierel	diniek						
Beef: 2, Dairy									
North West									
Potchefstro	om, Morvet								
Beef: 3									
	o, Ventersdorp	Diereklin	iek						
Beef: 1									
Free State	o Dioroboanit	a a l							
Beef: 3	e Dierehospita	ıaı							
Kwazulu-Na	ntal								
	ergville Veteri	nary Clinic	С						
Beef: 1									
Bergville, Tu	ugela Vet Clini	С							
Beef: 2									
	n, Camperdov	vn Vet Cli	nic						
Beef: 1									
	dumeni Herd h	ealth							
Dairy: 2	wick Votorings	ar Climia							
Beef: 2, Dairy	wick Veterinar	y Clinic							
	/: 3 Underberg Ve	terinary S	urgerv						
Beef: 1	Chachberg Ve	comany 5	argery						
Eastern Cap	e								
	Riverview Tra	dina Vet (Consultina	Service	S				

Beef: 3									
Western Ca	ре								
Stellenbosc	h, Stellenbosc	h Animal	Hospital						
Beef: 2									
	n, Swellendam	Dierehos	pitaal						
Dairy: 2									
Anaplasn	nosis								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.8 (5)	1.0 (1)		2.0 (5)	2.1 (11)	1.7 (3)	1.5 (4)	1.8 (6)	2.3 (3)
Level of impore	ortance scale: 1	= one case	e, 2 = more	than one	e case bu	ıt less than te	en and 3 =	more than 1	0 cases
Beef	1.8 (5)	1.0 (1)		2.0 (4)	2.0 (10)	2.0 (2)	1.7 (3)	1.7 (3)	2.3 (3)
Dairy					3.0 (1)	1.0 (1)	1.0 (1)	2.0 (3)	
Sheep				2.0(1)					
Mpumalang	ıa								
	four Diereklini	iek							
Beef: 1									
	Longtom Dier	ekliniek							
Beef: 2									
	, Middelburg I	Dierehosp	itaal						
Beef: 3	Facuation								
Standerton, Beef: 2	, econovet								
	Cape Cross Vol	kernet Die	rehoenita	al					
Beef: 1	ape Ciuss VIII	ASI USL DIE	acnospita	a i					
Gauteng									
	nderstepoort A	cademic I	Hospital ar	nd Produ	iction A	nimal Clinic			
Beef: 1									
Also in goats,									
North West									
	Christiana Die	rehospita	al						
Beef: 3	Wanter to 12	I							
	Klerksdorp Di	erenospit	aaı						
Beef: 2	stad, Leeudori	nastad Di	orokliniok						
Beef: 2	stau, Lecuulli	iigstau Di	CICKIIIICK						
	om, Morvet								
Sheep: 2	223,7 1 231 1 22								
	p, Ventersdorp	Diereklin	iek						
Beef: 1									
Free State									
	in, Dr Stephan	Wessels							
Beef: 2									
	ocolan Dierek	iniek							
Beef: 2									

Ficksburg, Oosvrystaat Diere Produkte Beef: 1 Hoopstad, Hoopstad Dierekliniek Beef: 3 Kroonstad, Kroonstad Dierehospitaal Beef: 3, Dairy: 3 Ladybrand, Ladybrand Beef: 2 Parys, Parys Dierehospitaal Beef: 2 Reitz, Riemland Dierehospitaal Beef: 2 Senekal, Senekal Dierekliniek Winburg, Winburg Dierekliniek Beef: 2 Kwazulu-Natal **Bergville, Bergville Veterinary Clinic Estcourt, Estcourt Vet Clinic** Dairy: 1 **Underberg, Underberg Veterinary Surgery** Beef: 2 **Eastern Cape** Alexandria, Alexandria Platteland Spreekkamer Aliwal North, Hertzogbrug Dierekliniek Beef: 1 **Graaff-Reinet, Graaff Reinet Veterinary Clinic** Beef: 1 Somerset East, Bosberg Veterinary Clinic Dairy: 1 Relapse case, treated by farmer two weeks earlier with long acting tetracycline, seeing some degree of tetracycline resistence in the Anaplasma parasite on some farms **Western Cape** Malmesbury, Invitrotech Dairy: 2 7 cases out of 4 300 cows Malmesbury, Malmesbury Dierehospitaal Dairy: 2 Riversdale, Riversdal Dierekliniek Dairy: 2 Stellenbosch, Stellenbosch Animal Hospital Wellington, Wellington Dierehospitaal Beef: 3 **Worcester, Durban Straat Dierekliniek Worcester** Beef: 1 **Northern Cape** Kathu, Kathu Dierekliniek Beef: 3

Kuruman, Kuruman Dierekliniek

Kuruman, State Vet Kuruman

Beef: 2

Beef: 2

Heartwat	ter								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.5 (2)	2.0 (6)	1.2 (5)	1.4 (5)		1.9 (12)	1.3 (3)		
Level of impore	ortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than te	en and 3 =	more than 1	0 cases
Beef	2.5 (2)	2.0(1)	1.3 (3)	10(2)		1.8 (6)	2.0(1)		
Dairy	2.0 (2)	2.0 (1)	1.5 (5)	1.0 (2)		1.0 (0)	1.0 (1)		
-		2.0.(2)	1.0.(2)	0.0 (1)		2.0 (1)	1.0 (1)		
Sheep		2.0 (3)	1.0 (2)			2.0 (1)			
Goat		2.0 (2)		1.5 (2)		2.0 (5)	1.0 (1)		
Mpumalang	ja								
Lydenburg,	Longtom Dier	ekliniek							
Beef: 2									
Middelburg	, Middelburg I	Dierehosp	itaal						
Beef: 3									
Gauteng									
	raal, Themba <i>l</i>	Animal Cli	nic						
	ep: 2, Goat: 2								
	ima Veterinar	y Consult	ing Rooms	3					
Sheep: 1									
	nderstepoort A	cademic	Hospital ai	nd Produ	iction A	Inimal Clinic			
Sheep: 3, Go	at: 2								
Limpopo									
	rtemis Veterir	nary Servi	ces						
Sheep: 1	llauhaus Diaus	leliminte							
Beef: 2	louberg Diere	Kiiniek							
	Diotoroburg V	lotorinom.	Clinia						
Beef: 1, Shee	Pietersburg V	etermary	Clinic						
	zp. 1 22 Farm Practi	CO							
Beef: 1	zz railii Fracti	CE							
North West									
	Dierekliniek								
Sheep: 2									
	Christiana Die	rehospita	al						
Beef: 1		-							
Klerksdorp,	Klerksdorp Di	erehospit	aal						
Goat: 1									
	, Bergbos Dier	ekliniek							
Beef: 1, Goat									
Kwazulu-Na									
	ergville Veteri	nary Clini	С						
Beef: 2									
	dumeni Herd h	nealth							
Beef: 2, Goat		.•.							
	tcourt Vet Clir	TIC							
Goat: 1	Marshall Israel	.!! 6!"							
Mtubatuba,	Mtubatuba Ar	ıımaı Ciin	IC						

Beef: 2, Goat: 2

Samuela Da									
	ngola Animal	Clinic							
Sheep: 2, Go									
	nnelle Duvel (CCS Vet							
Beef: 2, Goat									
/ryheid, Vry Beef: 1	heid Privaat \	/eeartse							
eer: 1 Eastern Cap	10								
•	Riverview Tra	dina Vet (Consulting	Service	!S				
Beef: 2				, 0000	-				
Somerset Ea	ast, Bosberg V	eterinary	Clinic						
Dairy: 1									
Peracute case									
	Uitenhage Die	rehospita	al						
Goat: 1									
Sweating	Sickness								
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Norther Cape
Average									2.0 (2)
	ortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than te	en and 3 =	more than 1	0 cases
reported									
									2.0 (2)
Beef	ape								2.0 (2)
Beef Northern Ca	ape Guruman Diere	kliniek							2.0 (2
Beef Northern Ca Kuruman, K	-	kliniek							2.0 (2
Beef Northern Ca Kuruman, K Beef: 2 Kuruman, S	-								2.0 (2
Beef: 2	uruman Diere								2.0 (2
Beef Northern Ca Kuruman, K Beef: 2 Kuruman, S Beef: 2	uruman Diere tate Vet Kurur	man	ases						2.0 (2
Beef Northern Ca Kuruman, K Beef: 2 Kuruman, S Beef: 2 LINSECT T	uruman Diere	man	ases						2.0 (2
Beef Northern Ca Kuruman, K Beef: 2 Kuruman, S Beef: 2 Insect Ti Lumpy sk	uruman Diere tate Vet Kurur ransmittab	nan ole Dise		North	Free	Kwazulu- Natal	Eastern Cape	Western Cape	2.0 (2 Norther Cape
Beef Northern Ca Kuruman, K Beef: 2 Kuruman, S Beef: 2 Insect Ti Lumpy sk	tate Vet Kurur ransmittab	nan ole Dise					Саре		Norther
Beef Northern Ca Kuruman, K Beef: 2 Kuruman, S Beef: 2 Insect T Lumpy sk PROVINCE	tate Vet Kurur ransmittab xin disease Mpumalanga	nan ole Dise	Limpopo 2.0 (1)	West	1.5 (4)	Natal 2.5 (11)	Cape 2.5 (2)	Cape	Norther Cape
Beef Northern Ca Kuruman, K Beef: 2 Kuruman, S Beef: 2 LINSECT T LUMPY SK PROVINCE Average Level of impo	tate Vet Kurur ransmittab xin disease Mpumalanga	nan ole Dise	Limpopo 2.0 (1)	West	1.5 (4)	Natal 2.5 (11)	2.5 (2) en and 3 =	Cape	Norther Cape
Beef Northern Ca Kuruman, K Beef: 2 Kuruman, S Beef: 2 Insect T Lumpy sk PROVINCE Average Level of imporeported Beef	tate Vet Kurur ransmittab kin disease Mpumalanga 1.0 (1) ortance scale: 1 1.0 (1)	nan ole Dise	Limpopo 2.0 (1) e, 2 = more	West	1.5 (4) e case bi	2.5 (11)	2.5 (2) en and 3 =	Cape	Norther Cape
Jorthern Ca Kuruman, K Jeef: 2 Kuruman, S Jeef: 2 Insect T Lumpy sk PROVINCE Average Level of imported Jeef	tate Vet Kurur ransmittab xin disease Mpumalanga 1.0 (1) ortance scale: 1 1.0 (1)	Gauteng = one case	2.0 (1) e, 2 = more 2.0 (1)	West	1.5 (4) e case bi	2.5 (11)	2.5 (2) en and 3 =	Cape	Norther Cape
Jorthern Ca Jorthern Ca Jorth	tate Vet Kurur ransmittab kin disease Mpumalanga 1.0 (1) ortance scale: 1 1.0 (1)	Gauteng = one case	2.0 (1) e, 2 = more 2.0 (1)	West	1.5 (4) e case bi	2.5 (11)	2.5 (2) en and 3 =	Cape	Norther Cape

5 6 1 . 1 .									
Free State									
	nel Veterinary	Clinic							
Beef: 1									
	land Dierehos	pitaal							
Beef: 2									
	nekal Diereklii	niek							
Beef: 1									
	e Dierehospita	nal							
Beef: 2									
Kwazulu-Na									
	ergville Veterii	nary Clinic	C						
Beef: 3									
Bergville, T	ugela Vet Clini	С							
Beef: 2									
Camperdow	n, Camperdov	vn Vet Cli	nic						
Beef: 3									
	dumeni Herd h	ealth							
Beef: 2									
	tcourt Vet Clin	nic							
Beef: 2									
	wick Veterinar	y Clinic							
Beef: 3									
Newcastle,	Ncanduvet Ne	wcastle							
Beef: 2									
Pietermarit	zburg, Richmo	nd Veteri	nary Clinic	;					
Beef: 3									
Significant ou	tbreaks still occ	urring							
Pongola, Po	ngola Animal	Clinic							
Beef: 3									
Severe clinica	ıl signs in Dexter	rs, mimic M	ICF (snotsie	kte) and	East Coa	ast Fever, dea	iths		
Ulundi, Dr A	nnelle Duvel C	CCS Vet							
Beef: 2									
	Underberg Ve	terinary S	urgery						
Beef: 2									
Eastern Cap	e								
Cofimvaba,	State Vet Cofi	mvaba							
Beef: 2									
Stutterheim	, Stutterheim	Veterinar	y Clinic						
Beef: 3									
Three-da	y-stiffsickne	ess							^
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 (2)		3.0 (2)	1.0 (1)
Level of impore	ortance scale: 1	= one case	e, 2 = more	than one	e case bu	it less than te	en and 3 =	more than 1	0 cases
Beef		3.0 (1)			2.0 (1)	1.0 (2)		3.0 (1)	1.0(1)
Dairy							,	3.0 (1)	

Muldersdrift, Muldersdrift Animal Hospital seef: 3 Free State keitz, Riemland Dierehospitaal seef: 2 Kwazulu-Natal Zamperdown, Camperdown Vet Clinic seef: 1 Pongola, Pongola Animal Clinic seef: 1 Western Cape Muruman, State Vet Kuruman seef: 1 Blue tongue PROVINCE Mpumalanga Gauteng Limpopo North West State Natal Cape Cape Cape Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Middelburg , Middelburg Dierehospitaal sheep: 1 Sauteng Sapsfontein, Bapsfontein Dierehospitaal sheep: 3 PROVINCE Mpumalanga Gauteng Limpopo North West State Natal State	Gauteng									
Free State letter, Riemland Dierehospitaal letter, Riemland R		t, Muldersdrift	Animal H	ospital						
Reitz, Riemland Dierehospitaal Geder; 2 Compardown, Camperdown Vet Clinic Geder; 1 Congola, Pongola Animal Clinic Geder; 3 Congola, Pongola, Pongo	Beef: 3	•		•						
Ref: 2 Comparison, Camperdown Vet Clinic Ref: 1 Restern Cape Malmesbury, Dr Otto Kriek Restern Cape Malmesbury, Dr Otto Kriek Restern Cape Malmesbury, Dr Otto Kriek Restern Cape Muruman, State Vet Kuruman Restern Cape Ruruman, State Vet Kuruman Russilla Restern Cape Ruruman Russilla Restern Russilla Restern Cape Ruruman Russilla Restern Russil	Free State									
Ref: 2 Comparison, Camperdown Vet Clinic Ref: 1 Restern Cape Malmesbury, Dr Otto Kriek Restern Cape Malmesbury, Dr Otto Kriek Restern Cape Malmesbury, Dr Otto Kriek Restern Cape Muruman, State Vet Kuruman Restern Cape Ruruman, State Vet Kuruman Russilla Restern Cape Ruruman Russilla Restern Russilla Restern Cape Ruruman Russilla Restern Russil	Reitz, Riem	land Dierehosi	pitaal							
Camperdown, Camperdown Vet Clinic Seef: 1 Western Cape Malmesbury, Dr Otto Kriek Seef: 3, Dainy: 3 Northern Cape Guruman, State Vet Kuruman Seef: 1 Blue tongue PROVINCE Mpumalanga Gauteng Limpopo West Free Kwazulu- Saef 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 Saef 1.0 (1) Mpumalanga Middelburg , Middelburg Dierehospitaal Sheep: 1 Sauteng Sapsfontein, Bapsfontein Dierehospitaal Sheep: 1 Sastern Cape Itenhage, Uitenhage Dierehospitaal Sheep: 1 Sastern Cape Itenhage I	Beef: 2									
Camperdown, Camperdown Vet Clinic Seef: 1 Western Cape Malmesbury, Dr Otto Kriek Seef: 3, Dainy: 3 Northern Cape Guruman, State Vet Kuruman Seef: 1 Blue tongue PROVINCE Mpumalanga Gauteng Limpopo West Free Kwazulu- Saef 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 Saef 1.0 (1) Mpumalanga Middelburg , Middelburg Dierehospitaal Sheep: 1 Sauteng Sapsfontein, Bapsfontein Dierehospitaal Sheep: 1 Sastern Cape Itenhage, Uitenhage Dierehospitaal Sheep: 1 Sastern Cape Itenhage I	Kwazulu-Na	atal								
Recef: 1 Posteri Cape Rospola Pongola Animal Clinic Rosecti Cape Rospola Sport Cape Rospo			vn Vet Cli	nic						
PROVINCE Mpumalanga 1.0 (1) 2.0 (2) Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Bapsfontein, Bapsfontein Dierehospitaal Sheep: 3 Bapsfontein, Bapsfontein Dierehospitaa		m, camperaer								
Mestern Cape Malmesbury, Dr Otto Kriek Joef: 3, Dairy: 3 Northern Cape Kuruman, State Vet Kuruman Joef: 1 Mumalanga Gauteng Limpopo North Mest Mestern Katal Limpopo North Mest Mestern Katal Limpopo North Mest Mest Matal Limpopo North Mest Matal Limpopo North Mest Matal Limpopo Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases Reported J.0 (1) J.0 (1) J.0 (1) J.0 (1) Mpumalanga Middelburg Dierehospitaal Joep: 3 Peretoria, Anima Veterinary Consulting Rooms Joee: 1 Lastern Cape Matal Limpopo North Mpumalanga Middelburg Dierehospitaal Joep: 3 Peretoria, Anima Veterinary Consulting Rooms Joee: 1 Lastern Cape Mpumalanga Mp		ngola Animal	Clinic							
Mestern Cape Malmesbury, Dr Otto Kriek Malmesbury, Dr Otto Malmesbury,		nigola Allilliai								
Malmesbury, Dr Otto Kriek Seef: 3, Dairy: 3 Northern Cape Kuruman, State Vet Kuruman Geef: 1 Blue tongue PROVINCE Mpumalanga Gauteng Limpopo North West State Natal Cape Cape Cape Average 1.0 (1) 2.0 (2) 1.0 (1) Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported 3eef 1.0 (1) 3.0 (1) 1.0 (1) Mpumalanga Middelburg, Middelburg Dierehospitaal Sheep: 1 Sauteng Sausfontein, Bapsfontein Dierehospitaal Sheep: 1 Pretoria, Anima Veterinary Consulting Rooms Geef: 1 Rastern Cape State Natal State Natal Cape Cape Northern Cape PROVINCE Mpumalanga Gauteng Limpopo North West State Natal Cape Cape Cape Cape Average 2.5 (2) Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Cape Cape Cape Cape Cape Cape Cape Cape		no								
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Blue tongue PROVINCE Mpumalanga Gauteng Limpopo West State State Natal Eastern Cape Cape Cape Cape Cape Cape Cape Cape		-								
PROVINCE Mpumalanga Gauteng Limpopo North West State S		tate vet Kurur	nan							
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Mpumalanga Middelburg , Middelburg Dierehospitaal Sheep: 1 Gauteng Sheep: 3 Pretoria, Anima Veterinary Consulting Rooms Beef: 1 Eastern Cape Jitenhage, Uitenhage Dierehospitaal Sheep: 1 Nagana PROVINCE Mpumalanga Gauteng Limpopo West State Average Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Seef: 2.5 (2) Kwazulu-Natal	Level of imported	ortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than te	en and 3 =	more than 1	0 cases
Mpumalanga Middelburg , Middelburg Dierehospitaal Sheep: 1 Gauteng Gapsfontein, Bapsfontein Dierehospitaal Sheep: 3 Pretoria, Anima Veterinary Consulting Rooms Gaef: 1 Gastern Cape Jitenhage, Uitenhage Dierehospitaal Sheep: 1 Nagana PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu-Rape Cape Cape Average Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Gaef Cwazulu-Natal	Beef		. ,	2						
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Sheep: 3 Pretoria, Anima Veterinary Consulting Rooms Beef: 1 Eastern Cape Jitenhage, Uitenhage Dierehospitaal Sheep: 1 Nagana PROVINCE Mpumalanga Gauteng Limpopo North West State Natal Cape Cape Cape Average Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Seef Kwazulu-Natal		. Bansfontein	Dierehosi	nitaal						
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Eastern Cape Jitenhage, Uitenhage Dierehospitaal Sheep: 1 Nagana PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu-Natal Limpopo West State Western Cape Cape Cape 2.5 (2) Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported 3.5 (2) Kwazulu-Natal		illia veceriilar	, consum	ing itooinis	<u> </u>					
Ditenhage, Uitenhage Dierehospitaal Sheep: 1 Nagana PROVINCE Mpumalanga Gauteng Limpopo North West State Natal Eastern Cape Cape Average Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported 3eef Kwazulu-Natal		10								
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PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu- Rate Cape Cape Cape Average Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported 3eef Cape Cape Cape Cape Cape Cape Cape Cape		oiteillage Die	renospita	aı						
Average Limpopo West State Natal Cape Cape Cape 2.5 (2) Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported 3eef (wazulu-Natal	Nagana									/
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported 3eef 2.5 (2) Kwazulu-Natal	PROVINCE	Mpumalanga	Gauteng	Limpopo						Northern Cape
Reef 2.5 (2) Kwazulu-Natal	Average						2.5 (2)			
(wazulu-Natal	Level of impore	ortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than te	en and 3 =	more than 1	0 cases
	Beef						2.5 (2)			
	Kwazulu-Na	atal								
			nimal Clini	ic						

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Pongola, Pongola Animal Clinic

Beef: 2

Especially in Tembe and Manguzi area

especially in	Tembe and Man	guzi area							
Venerea	l Diseases								
Trichomo	nosis								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.5 (6)	1.5 (2)		3.0 (3)	2.3 (12)	2.0 (3)			1.0 (1)
Level of impore	ortance scale: 1	= one case					en and 3 =	more than 1	0 cases
Beef	2.5 (6)	1.5 (2)		3.0 (3)	2.3 (12)	2.0 (3)			1.0(1)
Mnumaland	3								

Mpumalanga

Bethal, Bethal Dierekliniek

Beef: 2

Ermelo, Môregloed Veterinêre Spreekkamer

Beef: 3

Grootvlei, Grootvlei Dierekliniek

Beef: 2

Middelburg, Middelburg Dierehospitaal

Beef: 3

Standerton, Econovet

Beef: 3

Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 2

Gauteng

Bapsfontein, Bapsfontein Dierehospitaal

Beef: 2

Bronkhorstspruit, Kerkstraat Dierekliniek

Beef: 1
North West

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 3

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 3

Clean herd, bull jumped fence. Pyometra's

Stella, Stella Dierekliniek

Beef: 3
Free State

Bloemfontein, Dr Stephan Wessels

Beef: 1

One new bull in Dewetsdorp area

Ficksburg, Oosvrystaat Diere Produkte

Beef: 1

Frankfort, Frankfort Dierekliniek

Beef: 3

Hoopstad, Hoopstad Dierekliniek

Beef: 3									
•	Kroonstad Die	rehospita	al						
Beef: 3									
	mel Veterinary	Clinic							
Beef: 3									
Reitz, Riem	land Dierehos	pitaal							
Beef: 1									
Senekal, Se	nekal Dierekli	niek							
Beef: 2									
Viljoenskro	on, Viljoenskr	oon Dierel	kliniek						
Beef: 3									
New farm									
Villiers, Wil	gepoort Dierel	kliniek Vei	nnootskap)					
Beef: 3									
Vrede, Vred	le Dierehospita	aal							
Beef: 1									
Old positive f	farm, new case								
	inburg Dierek	liniek							
Beef: 3	-								
Kwazulu-Na	atal								
Bergville, B	ergville Veteri	nary Clinic	С						
Beef: 2	_								
Dundee, En	dumeni Herd l	nealth							
Beef: 2									
Howick, Ho	wick Veterina	ry Clinic							
Beef: 2									
Northern Ca	ape								
	State Vet Kurui	man							
Beef: 1									
Vibriosis									_
	Mnumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
PROVINCE	Pipamaianga			AACST	State	itatai	Cape	Cape	Cape
PROVINCE	ripumalanga								
PROVINCE Average	2.0 (1)			3.0 (1)	1.7 (3)				
Average	2.0 (1)	= 000 0355	2 2 = more	. ,	(3)	It less than to	en and 3 –	more than 1	O cases
Average Level of impo		= one case	e, 2 = more	. ,	(3)	ut less than te	en and 3 =	more than 1	0 cases
Average	2.0 (1)	= one case	e, 2 = more	. ,	(3)	ut less than te	en and 3 =	more than 1	0 cases
Average Level of impo	2.0 (1)	= one case	e, 2 = more	. ,	(3)	ut less than te	en and 3 =	more than 1	0 cases
Average Level of imporeported Beef	2.0 (1) ortance scale: 1 2.0 (1)	= one case	e, 2 = more	than one	(3) e case bu	ut less than te	en and 3 =	more than 1	0 cases
Average Level of impore reported Beef Mpumalang	2.0 (1) ortance scale: 1 2.0 (1)			than one	(3) e case bu	ut less than to	en and 3 =	more than 1	0 cases
Average Level of impore reported Beef Mpumalang	2.0 (1) ortance scale: 1 2.0 (1)			than one	(3) e case bu	ut less than te	en and 3 =	more than 1	0 cases
Average Level of impore reported Beef Mpumalang Middelburg	2.0 (1) ortance scale: 1 2.0 (1) Ja , Middelburg I			than one	(3) e case bu	ut less than te	en and 3 =	more than 1	0 cases
Average Level of impore reported Beef Mpumalang Middelburg Beef: 2 North West	2.0 (1) ortance scale: 1 2.0 (1) ja , Middelburg I	Dierehosp		than one	(3) e case bu	ut less than to	en and 3 =	more than 1	0 cases
Average Level of imporeported Beef Mpumalang Middelburg Beef: 2 North West Stella, Stella	2.0 (1) ortance scale: 1 2.0 (1) Ja , Middelburg I	Dierehosp		than one	(3) e case bu	ut less than te	en and 3 =	more than 1	0 cases
Average Level of imporeported Beef Mpumalang Middelburg Beef: 2 North West Stella, Stella Beef: 3	2.0 (1) ortance scale: 1 2.0 (1) ja , Middelburg I	Dierehosp		than one	(3) e case bu	ut less than te	en and 3 =	more than 1	0 cases
Average Level of impore reported Beef Mpumalang Middelburg Beef: 2 North West Stella, Stella, Stella Free State	2.0 (1) ortance scale: 1 2.0 (1) ja , Middelburg I	Dierehosp	itaal	than one	(3) e case bu	ut less than to	en and 3 =	more than 1	0 cases
Average Level of impore reported Beef Mpumalang Middelburg Beef: 2 North West Stella, Stella Beef: 3 Free State Hertzogville	2.0 (1) ortance scale: 1 2.0 (1) ja , Middelburg I	Dierehosp	itaal	than one	(3) e case bu	ut less than to	en and 3 =	more than 1	0 cases
Average Level of impore reported Beef Mpumalang Middelburg Beef: 2 North West Stella, Stella Beef: 3 Free State Hertzogville Beef: 1	2.0 (1) ortance scale: 1 2.0 (1) ja , Middelburg I a Dierekliniek e, Hertzogville	Dierehosp Diereklini	itaal	than one	(3) e case bu	ut less than to	en and 3 =	more than 1	0 cases
Average Level of impore reported Beef Mpumalang Middelburg Beef: 2 North West Stella, Stella Beef: 3 Free State Hertzogville Beef: 1 Kroonstad,	2.0 (1) ortance scale: 1 2.0 (1) ja , Middelburg I	Dierehosp Diereklini	itaal	than one	(3) e case bu	ut less than to	en and 3 =	more than 1	0 cases
Average Level of impore reported Beef Mpumalang Middelburg Beef: 2 North West Stella, Stella Beef: 3 Free State Hertzogville Beef: 1 Kroonstad, Beef: 3	2.0 (1) ortance scale: 1 2.0 (1) ja , Middelburg I a Dierekliniek e, Hertzogville	Dierehosp Diereklini erehospita	itaal iek al	than one	(3) e case bu	ut less than to	en and 3 =	more than 1	0 cases

Pizzle dis	ease								_
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)	3.0 (1)
_evel of impo reported	ortance scale: 1	= one case	e, 2 = more	than one	e case bi	ut less than te	en and 3 =	more than 1	0 cases
Sheep					2.0 (1)	1.0 (1)		1.0 (1)	3.0 (1)
ree State									
	Rowelsfontein	veearts S	Spreekkan	ner					
Sheep: 2 (wazulu-Na	ıtal								
	ıtaı /heid Privaat V	/eeartse							
Sheep: 1									
Vestern Ca _l									
	est, Beaufort V	Vest State	e Vet						
Sheep: 1									
•	.1	Later and the							
armer has a	closed herd and	d did not ha	ave problem	ns for yea	irs.				
armer has a	ipe		ave problem	ns for yea	ars.				
armer has a Northern Ca Calvinia, Ca			ave problem	ns for yea	nrs.				
armer has a Northern Ca Calvinia, Ca Sheep: 3	ipe		ave problem	ns for yea	ars.				
Farmer has a Northern Ca Calvinia, Ca Sheep: 3 Severe	ipe Ivinia Veeartsl	kliniek	ave problen	ns for yea	ars.				
armer has a Northern Ca Calvinia, Ca Cheep: 3 Gevere	ipe	kliniek	ave problem	ns for yea	ars.				
Farmer has a Northern Ca Calvinia, Ca Sheep: 3 Severe Bacteria	pe Ivinia VeeartsI I Disease (kliniek	ave problem	ns for yea	ars.				
armer has a lorthern Cacalvinia, Calbeep: 3 devere Bacterial Blackqua	pe Ivinia VeeartsI I Disease (kliniek other)			Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Farmer has a Northern Cacalvinia, Calcinia, Calcineep: 3 Severe Bacterial Blackqual	pe Ivinia Veearts I Disease (rter	kliniek other)		North	Free				Саре
Farmer has a Northern Ca Calvinia, Cal Sheep: 3 Severe Bacterial Blackqual PROVINCE Average Level of impo	pe Ivinia Veearts Disease (rter Mpumalanga	other) Gauteng 2.0 (1)	Limpopo	North West	Free State 2.2 (6)	Natal 1.8 (5)	Cape 2.0 (2)	1.0 (3)	3.0 (1)
Farmer has a Northern Ca Calvinia, Cal Sheep: 3 Severe Bacterial Blackqua PROVINCE Average	I Disease (orter Mpumalanga	other) Gauteng 2.0 (1)	Limpopo	North West	Free State 2.2 (6)	Natal 1.8 (5)	Cape 2.0 (2)	1.0 (3)	3.0 (1)

Grootvlei, Grootvlei Dierekliniek

Beef: 2

Lydenburg, Lydenburg Dierespreekkamer

Beef: 2

Middelburg , Middelburg Dierehospitaal

Beef: 1

Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 2

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 2

North West

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 3

Huge amount of deaths due to farmers using outdated vaccines

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 3

Stella, Stella Dierekliniek

Beef: 3

Free State

Dewetsdorp, Platkop Dierekliniek

Beef: 3

Frankfort, Frankfort Dierekliniek

Beef: 2

Ladybrand, Ladybrand

Beef: 2

Parys, Parys Dierehospitaal

Beef: 1

Smithfield, Freestate Smithfield SV

Beef: 3

Four calves died 2-3 days after vaccination with multiclostridial vaccine. Cause of death Clostridia. Source of infection: needle, skin?

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Bergville, Tugela Vet Clinic

Beef: 1

Dundee, Endumeni Herd health

Beef: 2

Ulundi, Dr Annelle Duvel CCS Vet

Beef: 2

Vryheid, Vryheid Privaat Veeartse

Beef: 2

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Beef: 2

Queenstown, Queenstown Provincial Vet Lab

Sheep: 2

Western Cape

Malmesbury, Groenkloof Dierekliniek

Beef: 1

Bull - Clostridium sordelli plus C. novyi

Malmesbury, Malmesbury Dierehospitaal

Beef: 1

Plettenberg Bay, Plettenberg Bay A Reitz

Beef: 1

Blackquarter in fat heifer (one out of 80). Supposed to have been vaccinated.

Northern Cape

Kuruman, Kuruman Dierekliniek

Beef: 3

ROVINCE N									
	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
verage					2.0 (1)	1.0 (1)		1.0 (1)	1.0 (1)
evel of impor ported	tance scale: 1	= one case	e, 2 = more	than one	case bu	it less than te	en and 3 =	more than 1	0 cases
eef					2.0 (1)	1.0(1)			1.0 (1)
еер								1.0(1)	
ee State									
	nburg Dierek	liniek							
ef: 2									
vazulu-Nat	al								
rgville, Be	rgville Veteri	nary Clini	С						
ef: 1									
estern Cap									
	st, Beaufort \	Nest State	e Vet						
eep: 1									
mmunal gra	zing, only one	case							
Northern Cape									
stmasburg	, Postmasbu	rg Dierekl	iniek						
ef: 1									
ulpy Kidr	ney								2
ROVINCE 1	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
verage	1.0 (1)	1.5 (2)		1.5 (2)	1.9 (11)	1.5 (2)	2.0 (1)	2.0 (2)	3.0 (1)
evel of impor ported	tance scale: 1	= one case	e, 2 = more	than one	case bu	ut less than te	en and 3 =	more than 1	0 cases
	1.0 (1)	1.5 (2)		2.0 (1)	1.9 (11)	1.5 (2)	2.0 (1)	2.0 (2)	3.0 (1)
еер				1.0(1)					
neep				1.0 (17					
oat				1.0 (1)					
oat pumalanga		Dierehosn	itaal	1.0 (1)					
pat pumalanga ddelburg,	Middelburg I	Dierehosp	itaal	1.0 (1)					
pat pumalanga ddelburg, eep: 1		Dierehosp	itaal	1.0 (1)					
pat pumalanga ddelburg , eep: 1 nuteng	Middelburg I			1.0 (1)					
pat pumalanga ddelburg , eep: 1 nuteng upsfontein,				1.0 (1)					
pat pumalanga ddelburg , eep: 1 nuteng psfontein, eep: 1	Middelburg I Bapsfontein	Dierehos	oitaal	1.0 (1)					
pat pumalanga ddelburg , eep: 1 nuteng psfontein, eep: 1 numanskra	Middelburg I	Dierehos	oitaal	1.0 (1)					
pat pumalanga ddelburg , eep: 1 nuteng psfontein, eep: 1 numanskra eep: 2	Middelburg I Bapsfontein	Dierehos	oitaal	1.0 (1)					
pat pumalanga ddelburg , eep: 1 nuteng psfontein, eep: 1 numanskra	Middelburg I Bapsfontein nal, Themba I	Dierehos	oitaal	1.0 (1)					
			e, 2 = more	2.0 (1)	1.9 (11)				

Klerksdorp, Klerksdorp Di	ierehospit	aal						
Goat: 1	_							
Free State								
Bloemfontein, Dr Stephar	ı Wessels							
Sheep: 3								
Frankfort, Frankfort Diere	ekliniek							
Sheep: 3								
Hoopstad, Hoopstad Diere	ekliniek							
Sheep: 3								
Kroonstad, Kroonstad Die	rehospita	al						
Sheep: 2	·							
Ladybrand, Ladybrand								
Sheep: 1								
Memel, Memel Veterinary	Clinic							
Sheep: 1								
Philippolis, Rowelsfonteir	ı veearts S	Spreekkan	ner					
Sheep: 2								
Smithfield, Freestate Smi	thfield SV							
Sheep: 2								
Intestinal Clostridia infection,	. two death:	s after feed	ina corn	without	necessary vac	cination.		
Viljoenskroon, Viljoenskr			9 00					
Sheep: 1								
Villiers, Wilgepoort Diere	kliniek Ver	nnootskan)					
Sheep: 2		р	·					
Wesselsbron, Wesselsbro	n Dierekli	niek						
Sheep: 1								
Kwazulu-Natal								
Bergville, Tugela Vet Clini	ic							
Sheep: 1								
Vryheid, Vryheid Privaat \	Veeartse							
Sheep: 2								
Eastern Cape								
Somerset East, Bosberg V	eterinary	Clinic						
Sheep: 2	ccci iliai y	O.IIIIC						
10 month old lambs, moved	on veld to r	new camp	2 deaths	overdue	e for annual h	ooster		
Western Cape	on veia to i	icvi camp,	z acaciio,	Overda	c for armaar b	oostei		
Caledon, Overberg Veteri	nary Hosn	ital						
Sheep: 1	nary mosp	1641						
Malmesbury, Groenkloof	Diereklinie	-k						
Sheep: 3	JICI CKIIIII	- IX						
Sheep introduced from Karoo) luch nacti	ures						
Northern Cape	, iusii pust	uics						
Upington, Upington Veter	inary Clini	ic						
Sheep: 3	mary Cimi							
Lambs brought into feedlot. I	Not vaccina	ted						
Lambs brought into reculot.	vot vaccina	teu						
Swelled head diseas	e							^
PROVINCE Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape

1.7 (3)

Average

2.5 (2)

2.0

(1)

Level of impore	ortance scale: 1	= one case	e, 2 = more	than one	e case bu	ut less than te	en and 3 =	more than 1	0 cases
Beef		2.0 (1)			2.0 (1)	2.5 (2)			
Goat		1.5 (2)							
Gauteng		1.0 (-)							
	spruit, Kerkstr	aat Dierel	kliniek						
Beef: 2, Goat									
	raal, Themba <i>A</i>	Animal Cli	nic						
Goat: 2									
Free State	land Diamahaa	.:tI							
Beef: 2	land Dierehos	pitaai							
Kwazulu-Na	tal								
	ergville Veteri	nary Clinie	_						
Beef: 2	ergville veteri	ilary Cillin							
	Ncanduvet Ne	wcastle							
Beef: 3									
Redgut (cattle)								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.5 (2)	1.5 (2)		1.0 (1)	
Level of impore	ortance scale: 1	= one case	e, 2 = more	than one	case bu	ut less than te	en and 3 =	more than 1	0 cases
Beef					2.5 (2)	1.5 (2)		1.0 (1)	
Free State									
	in, Dr Stephan	Wessels							
Beef: 3									
	Kroonstad Die	rehospita	al						
Beef: 2									
Kwazulu-Na			_						
Beef: 1	ergville Veteri	nary Ciini	C						
	Underberg Ve	terinary S	urgery						
Beef: 2	onacioning ve	nai y 5							
Western Ca	pe								
	_/ , Malmesbury	Dierehos	pitaal						
Beef: 1									
Blood gut	t (Sheep)								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)			1.0 (1)	2.0				

					(1)				
Level of imported	ortance scale: 1	= one case	e, 2 = more	than one	case bu	ut less than te	en and 3 =	more than 1	0 cases
Sheep	1.0 (1)			1.0 (1)	2.0 (1)				
Mpumalang		•							
Bethai, Beti Sheep: 1	nal Diereklinie	K							
North West			_						
Christiana, (Sheep: 1	Christiana Die	rehospita	al						
Free State									
	gepoort Dierek	diniek Vei	nnootskap						
Sheep: 2									
Tetanus									^
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 one	e case bu	ut less than te	en and 3 =	more than 1	0 cases
Sheep						1.0(1)			
Kwazulu-Na									
Newcastle, Sheep: 1	Ncanduvet Ne	wcastle							
Salmonel	losis								_
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 one	case bu	ut less than te	en and 3 =	more than 1	0 cases
Dairy								1.0(1)	
Western Ca	ре								
Darling, Tyg Dairy: 1	jerberg Diereh	ospitaal [Darling						
Brucella	abortus								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (5)	1.0 (1)	1.0 (1)	2.3 (3)	2.5	2.0 (1)	1.0 (1)		3.0 (1)

		(8)		
	_		 	

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

 Beef
 2.0 (5)
 1.0 (1)
 1.0 (1)
 2.0 (2)
 2.5 (8)
 2.0 (1)
 1.0 (1)
 3.0 (1)

3.0 (1)

Mpumalanga

Bethal, Bethal Dierekliniek

Beef: 2

Ermelo, Môregloed Veterinêre Spreekkamer

Beef: 2

Lydenburg, Lydenburg Dierespreekkamer

Beef: 2

Middelburg, Middelburg Dierehospitaal

Beef: 2

Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 2

Gauteng

Pretoria, Anima Veterinary Consulting Rooms

Beef: 1

Near Lichtenburg

Limpopo

Polokwane, Pietersburg Veterinary Clinic

Beef: 1
North West

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 1

Leeudoringstad, Leeudoringstad Dierekliniek

Dairy: 3

Bought positive animals at an auction

Stella, Stella Dierekliniek

Beef: 3
Free State

Bloemfontein, Dr Stephan Wessels

Beef: 3

Positive animals in new herd with poor conception

Frankfort, Frankfort Dierekliniek

Beef: 3

Hoopstad, Hoopstad Dierekliniek

Beef: 3

Kroonstad, Kroonstad Dierehospitaal

KIOOII

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3

Present infection

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 3

Wesselsbron, Wesselsbron Dierekliniek

Beef: 1

Winburg, Winburg Dierekliniek

Beef: 2

Kwazulu-Natal

Beef: 2									
Eastern Cap			ali i						
	p, Humansdor	p Veterina	ary Clinic						
Beef: 1									
Northern Ca	•								
Kuruman, S Beef: 3	tate Vet Kurur	nan							
beer: 3									
Brucella (ovis								
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					1.7 (3)			1.0 (2)	3.0 (2)
Level of imported	ortance scale: 1	= one case	e, 2 = more	than one	e case bi	ut less than te	en and 3 =	more than 1	0 cases
Sheep					1.7 (3)			1.0 (2)	3.0 (2)
Free State									
Frankfort, F	rankfort Diere	kliniek							
Sheep: 2									
•	nekal Dierekli	niek							
Sheep: 1									
	gepoort Dierek	diniek Ve	nnootskap						
Sheep: 2									
Western Ca		W 1 C1 - 1							
	est, Beaufort V	vest State	e vet						
Sheep: 1	10 uama fua	+h		7/10 ==	aitina fa		محمل مسميين		
rarmer took (rams.	over 10 rams fro	m the prev	lous owner	, //10 po	sitive, to	ortunately the	y were kep	t separate m	om own
	s Veterinary H	osnital							
Sheep: 1	s vetermary m	ospitai							
One Merino r	am								
Northern Ca									
	.pc Ivinia Veeartsl	kliniek							
Sheep: 3		•							
Rams, many	severe cases								
	tate Vet Kurur	nan							
Sheep: 3									
Johne`s (disease								
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northerr Cape
_								1.0 (1)	
Average									
	ortance scale: 1	= one case	e, 2 = more	than one	e case bi	ut less than te	en and 3 =	more than 1	0 cases

Western Ca	ре								
	jerberg Diereh	ospitaal [Darling						
Sheep: 1									
Septicae	nia								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average								1.5 (2)	
Level of imported	ortance scale: 1	= one case	e, 2 = more	than one	e case bu	ut less than te	en and 3 = 1	more than 1	0 cases
Dairy								2.0 (1)	
Sheep								1.0 (1)	
Western Ca	pe								
	,, Malmesbury	Dierehos	pitaal						
Dairy: 2	Riversdal Dier	okliniak							
Sheep: 1	Riversual Dier	ekiiiiek							
									^
E. coli									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (4)	2.0 (2)		3.0 (4)	2.4 (10)	1.3 (3)		2.3 (3)	3.0 (1)
Level of impore	ortance scale: 1	= one case	e, 2 = more	than one	e case bi	ut less than te	en and 3 = 1	more than 1	0 cases
Beef	2.0 (3)	2.0 (1)		3.0 (2)	2.5 (2)	2.0 (1)			
Dairy					2.0 (1)	1.0 (1)		2.0 (2)	
Sheep	2.0 (1)			3.0 (1)	2.4	1.0 (1)		3.0 (1)	
Goat		2.0 (1)		3.0 (1)	(,)		<u>,</u>		3.0 (1)
Mpumalang	a	(-)		(-)					
Balfour, Bal	four Diereklin	iek							
Beef: 3	NA: J.J. III		:I						
Middelburg Beef: 1	, Middelburg I	erenosp	ітааі						
Standerton,	Econovet								
Beef: 2, Shee									
Gauteng		D! ·	lelimi - I-						
Bronkhorsts Beef: 2, Goat	spruit, Kerkstr	aat Dierel	kiiniek						
North West									
Leeudorings Beef: 3, Shee	stad, Leeudori p: 3, Goat: 3	ngstad Di	erekliniek						

Ventersdorp, Ventersdorp Dierekliniek Geef: 3 Free State Bloemfontein, Dr Stephan Wessels Sheep: 3 Clocolan, Clocolan Dierekliniek Geef: 2, Dairy: 2, Sheep: 3 Hertzogville, Hertzogville Dierekliniek Sheep: 2 Hoopstad, Hoopstad Dierekliniek Geef: 3, Sheep: 3 Memel, Memel Veterinary Clinic Sheep: 1 Parys, Parys Dierehospitaal Sheep: 2 Viljoenskroon, Viljoenskroon Dierekliniek Sheep: 3 Kwazulu-Natal Bergville, Bergville Veterinary Clinic Geef: 2 Dundee, Endumeni Herd health Dairy: 1 Pietermaritzburg, Richmond Veterinary Clinic Sheep: 1 Western Cape Beaufort West, Beaufort Dierekliniek
Bloemfontein, Dr Stephan Wessels Sheep: 3 Clocolan, Clocolan Dierekliniek Beef: 2, Dairy: 2, Sheep: 3 Hertzogville, Hertzogville Dierekliniek Sheep: 2 Hoopstad, Hoopstad Dierekliniek Beef: 3, Sheep: 3 Memel, Memel Veterinary Clinic Sheep: 1 Parys, Parys Dierehospitaal Sheep: 2 Viljoenskroon, Viljoenskroon Dierekliniek Sheep: 3 Kwazulu-Natal Bergville, Bergville Veterinary Clinic Beef: 2 Dairy: 1 Pietermaritzburg, Richmond Veterinary Clinic Sheep: 1 Pietermaritzburg, Richmond Veterinary Clinic Sheep: 1
Bloemfontein, Dr Stephan Wessels Sheep: 3 Clocolan, Clocolan Dierekliniek Beef: 2, Dairy: 2, Sheep: 3 Hertzogville, Hertzogville Dierekliniek Sheep: 2 Hoopstad, Hoopstad Dierekliniek Beef: 3, Sheep: 3 Memel, Memel Veterinary Clinic Sheep: 1 Parys, Parys Dierehospitaal Sheep: 2 Viljoenskroon, Viljoenskroon Dierekliniek Beeg: 3 Kwazulu-Natal Bergville, Bergville Veterinary Clinic Beef: 2 Dundee, Endumeni Herd health Dairy: 1 Pietermaritzburg, Richmond Veterinary Clinic Sheep: 1 Pietermaritzburg, Richmond Veterinary Clinic Sheep: 1
Sheep: 3 Clocolan, Clocolan Dierekliniek Beef: 2, Dairy: 2, Sheep: 3 Hertzogville, Hertzogville Dierekliniek Sheep: 2 Hoopstad, Hoopstad Dierekliniek Beef: 3, Sheep: 3 Memel, Memel Veterinary Clinic Sheep: 1 Parys, Parys Dierehospitaal Sheep: 2 Viljoenskroon, Viljoenskroon Dierekliniek Beeg: 3 Kwazulu-Natal Bergville, Bergville Veterinary Clinic Beef: 2 Dundee, Endumeni Herd health Dairy: 1 Pietermaritzburg, Richmond Veterinary Clinic Sheep: 1 Pietermaritzburg, Richmond Veterinary Clinic Sheep: 1 Pietermaritzburg, Richmond Veterinary Clinic
Clocolan, Clocolan Dierekliniek Beef: 2, Dairy: 2, Sheep: 3 Hertzogville, Hertzogville Dierekliniek Sheep: 2 Hoopstad, Hoopstad Dierekliniek Beef: 3, Sheep: 3 Memel, Memel Veterinary Clinic Sheep: 1 Parys, Parys Dierehospitaal Sheep: 2 Viljoenskroon, Viljoenskroon Dierekliniek Sheep: 3 Kwazulu-Natal Bergville, Bergville Veterinary Clinic Beef: 2 Dundee, Endumeni Herd health Dairy: 1 Pietermaritzburg, Richmond Veterinary Clinic Sheep: 1 Western Cape
Beef: 2, Dairy: 2, Sheep: 3 Hertzogville, Hertzogville Dierekliniek Sheep: 2 Hoopstad, Hoopstad Dierekliniek Beef: 3, Sheep: 3 Memel, Memel Veterinary Clinic Sheep: 1 Parys, Parys Dierehospitaal Sheep: 2 Viljoenskroon, Viljoenskroon Dierekliniek Sheep: 3 Kwazulu-Natal Bergville, Bergville Veterinary Clinic Beef: 2 Dundee, Endumeni Herd health Dairy: 1 Pietermaritzburg, Richmond Veterinary Clinic Sheep: 1 Western Cape
Hertzogville, Hertzogville Dierekliniek Sheep: 2 Hoopstad, Hoopstad Dierekliniek Seef: 3, Sheep: 3 Memel, Memel Veterinary Clinic Sheep: 1 Parys, Parys Dierehospitaal Sheep: 2 Viljoenskroon, Viljoenskroon Dierekliniek Sheep: 3 Kwazulu-Natal Bergville, Bergville Veterinary Clinic Seef: 2 Dundee, Endumeni Herd health Dairy: 1 Pietermaritzburg, Richmond Veterinary Clinic Sheep: 1 Western Cape
Sheep: 2 Hoopstad, Hoopstad Dierekliniek Seef: 3, Sheep: 3 Memel, Memel Veterinary Clinic Sheep: 1 Parys, Parys Dierehospitaal Sheep: 2 Viljoenskroon, Viljoenskroon Dierekliniek Sheep: 3 Kwazulu-Natal Bergville, Bergville Veterinary Clinic Seef: 2 Dundee, Endumeni Herd health Dairy: 1 Pietermaritzburg, Richmond Veterinary Clinic Sheep: 1 Western Cape
Hoopstad, Hoopstad Dierekliniek Beef: 3, Sheep: 3 Memel, Memel Veterinary Clinic Sheep: 1 Parys, Parys Dierehospitaal Sheep: 2 Viljoenskroon, Viljoenskroon Dierekliniek Sheep: 3 Kwazulu-Natal Bergville, Bergville Veterinary Clinic Beef: 2 Dundee, Endumeni Herd health Dairy: 1 Pietermaritzburg, Richmond Veterinary Clinic Sheep: 1 Western Cape
Seef: 3, Sheep: 3 Memel, Memel Veterinary Clinic Sheep: 1 Parys, Parys Dierehospitaal Sheep: 2 Viljoenskroon, Viljoenskroon Dierekliniek Sheep: 3 Kwazulu-Natal Bergville, Bergville Veterinary Clinic Seef: 2 Dundee, Endumeni Herd health Dairy: 1 Pietermaritzburg, Richmond Veterinary Clinic Sheep: 1 Western Cape
Memel, Memel Veterinary Clinic Sheep: 1 Parys, Parys Dierehospitaal Sheep: 2 Viljoenskroon, Viljoenskroon Dierekliniek Sheep: 3 Kwazulu-Natal Bergville, Bergville Veterinary Clinic Seef: 2 Dundee, Endumeni Herd health Dairy: 1 Pietermaritzburg, Richmond Veterinary Clinic Sheep: 1 Western Cape
Sheep: 1 Parys, Parys Dierehospitaal Sheep: 2 Viljoenskroon, Viljoenskroon Dierekliniek Sheep: 3 Kwazulu-Natal Bergville, Bergville Veterinary Clinic Seef: 2 Dundee, Endumeni Herd health Dairy: 1 Pietermaritzburg, Richmond Veterinary Clinic Sheep: 1 Western Cape
Parys, Parys Dierehospitaal Sheep: 2 Viljoenskroon, Viljoenskroon Dierekliniek Sheep: 3 Kwazulu-Natal Bergville, Bergville Veterinary Clinic Seef: 2 Dundee, Endumeni Herd health Dairy: 1 Pietermaritzburg, Richmond Veterinary Clinic Sheep: 1 Western Cape
Sheep: 2 Viljoenskroon, Viljoenskroon Dierekliniek Sheep: 3 Kwazulu-Natal Bergville, Bergville Veterinary Clinic Seef: 2 Dundee, Endumeni Herd health Dairy: 1 Pietermaritzburg, Richmond Veterinary Clinic Sheep: 1 Western Cape
Viljoenskroon, Viljoenskroon Dierekliniek Sheep: 3 Kwazulu-Natal Bergville, Bergville Veterinary Clinic Beef: 2 Dundee, Endumeni Herd health Dairy: 1 Pietermaritzburg, Richmond Veterinary Clinic Sheep: 1 Western Cape
Kwazulu-Natal Bergville, Bergville Veterinary Clinic Beef: 2 Dundee, Endumeni Herd health Dairy: 1 Pietermaritzburg, Richmond Veterinary Clinic Sheep: 1 Western Cape
Kwazulu-Natal Bergville, Bergville Veterinary Clinic Beef: 2 Dundee, Endumeni Herd health Dairy: 1 Pietermaritzburg, Richmond Veterinary Clinic Sheep: 1 Western Cape
Bergville, Bergville Veterinary Clinic Beef: 2 Dundee, Endumeni Herd health Dairy: 1 Pietermaritzburg, Richmond Veterinary Clinic Sheep: 1 Western Cape
Beef: 2 Dundee, Endumeni Herd health Dairy: 1 Pietermaritzburg, Richmond Veterinary Clinic Sheep: 1 Western Cape
Beef: 2 Dundee, Endumeni Herd health Dairy: 1 Pietermaritzburg, Richmond Veterinary Clinic Sheep: 1 Western Cape
Dairy: 1 Pietermaritzburg, Richmond Veterinary Clinic Sheep: 1 Western Cape
Dairy: 1 Pietermaritzburg, Richmond Veterinary Clinic Sheep: 1 Western Cape
Pietermaritzburg, Richmond Veterinary Clinic Sheep: 1 Western Cape
Sheep: 1 Western Cape
Western Cape
·
beautiful 11054 beautiful biciekiiiiick
Sheep: 3
Lambs
Darling, Tygerberg Dierehospitaal Darling
Dairy: 2
Riversdale, Riversdal Dierekliniek
Dairy: 2
Northern Cape
Postmasburg, Postmasburg Dierekliniek
Goat: 3
JOAL: 5
Enzootic Abortion ^
North Free Kwazulu- Fastern Western Northern
PROVINCE Mpumalanga Gauteng Limpopo North Free West State Natal Cape Cape Cape
DECIVING MINIMATANGA GALIFONG LIMBONO
PROVINCE Mpumalanga Gauteng Limpopo West State Natal Cape Cape Cape
Average Gauteng Limpopo West State Natal Cape Cape Cape 2.0
PROVINCE Mpumalanga Gauteng Limpopo West State Natal Cape Cape Cape
Average Cape Cape
Average Limpopo West State Natal Cape Cape 2.0 (2) Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases
Average Cape Cape
Average Limpopo West State Natal Cape Cape 2.0 (2) Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported
Average Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported 2.0 (2) 1.0 (1) 2.0 (2) 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 2.0 (2) Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported 2.0 (2) 1.0 (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 2.0 (2) Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported 2.0 (2) 1.0 (1) 1.0 (1) 1.0 (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 Sheep 2.0 (2) 1.0 (1) 2.0 (2) 1.0 (1) 2.0 (1) 2.0 (2) 1.0 (1) 3.0 (1) Free State
Average Limpopo West State Natal Cape Cape Cape Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Sheep 2.0 (2) 1.0 (1) 2.0 (2) 1.0 (1) 3.0 (1) Free State Gariepdam, Gariep Dierekliniek
Average Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Sheep 2.0 (2) 1.0 (1) 2.0 (2) 1.0 (1) 2.0 (1) 2.0 (2) 1.0 (1) 3.0 (1) Free State

Wesselshro	n, Wesselsbro	n Dierekli	niek						
Sheep: 1	,								
Eastern Cap	e								
-	n, Queenstowi	n Provinci	al Vet Lab						
Goat: 1	., .								
Western Ca	pe								
	est, Beaufort [Diereklinie	k						
Goat: 3	,								
Malmesbury	, Invitrotech								
Sheep: 1	· •								
	ent in the Karoo	(Carnarvo	n) who had	an abort	ion prob	lem in his she	ep has the	problem gre	eatly
	vaccinating ew								
previously as	pregnant. Raise	ed as little a	s 20% laml	bs, after	vaccinati	on back to no	ormal.		
Intrauter	ine Gangre	ne							
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average							1.0(1)		2.0 (1)
Level of imported	ortance scale: 1	= one case	e, 2 = more	than one	e case bu	ut less than te	en and 3 =	more than 1	0 cases
Goat							1.0(1)		2.0 (1)
Eastern Cap	e								
Queenstow	n, Queenstowi	n Provinci	al Vet Lab						
Goat: 1									
Northern Ca	ре								
Postmasbur Goat: 2	g, Postmasbu	rg Dierekl	iniek						
Fusibacte	erium necro	phorum							_
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 bu	ut less than te	en and 3 =	more than 1	0 cases
Dairy								2.0(1)	
Western Ca	pe								
	, Malmesbury	Dierehos	pitaal						
Dairy: 2	, ,	3. 3.103	r						
Other									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)					1.0 (1)	1.0 (1)		

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

1.0 (1) 1.0 (1)

Sheep 2.0(1)

Mpumalanga

Lydenburg, Longtom Dierekliniek

Sheep: 2

Foot rot, sheep on Rye grass

Kwazulu-Natal

Pongola, Pongola Animal Clinic

Beef: 1

Pseudomonolysis - This *Pseudomonas aeruginosa* infection is a cause of major fading syndrome in commercial cattle herds

Eastern Cape

Aliwal North, Hertzogbrug Dierekliniek

Beef: 1

Protozoal diseases (other	r)
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Coccidios	sis								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.3 (7)	2.0 (1)		1.0 (1)	2.5 (4)	1.0 (1)	3.0 (1)	1.3 (3)	2.5 (2)

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

Beef	2.5 (2)		1.0(1)		1.0(1)			
Dairy							1.5 (2)	
Sheep	2.3 (4)			2.3 (3)		3.0 (1)	1.0(1)	3.0 (1)
Goat	2.0 (1)	2.0 (1)		3.0 (1)				2.0 (1)

Mpumalanga

Lydenburg, Lydenburg Dierespreekkamer

Beef: 2, Sheep: 2

Middelburg, Middelburg Dierehospitaal

Beef: 3, Sheep: 3

Nelspruit, Nelspruit Animal Hospital

Goat: 2

Piet Retief, Pets Vet Hospital

Sheep: 2

Standerton, Econovet

Sheep: 2

Gauteng

Hammanskraal, Themba Animal Clinic

Goat: 2 North West

Christiana, Christiana Dierehospitaal

Beef: 1									
Free State									
Bloemfonte	in, Dr Stephan	Wessels							
Sheep: 3	· ·								
	Dosvrystaat Di	ere Produ	kte						
Goat: 3	· · · · · · · · · · · · · · · · · · ·								
Kroonstad,	Kroonstad Die	rehospita	al						
Sheep: 2									
	gepoort Dierel	kliniek Ve	nnootskan)					
Sheep: 2	<u> </u>								
Kwazulu-Na	atal								
	Ncanduvet Ne	wcastle							
Beef: 1									
Eastern Cap	Эе								
	(EC), Steynsb	urg Dierel	hospitaal						
Sheep: 3	(-), ,								
Western Ca	pe								
	gerberg Diereh	ospitaal [Darling						
Sheep: 1	,								
	(WC), Heidelb	erg Dierel	kliniek						
Dairy: 1	(110), 11014012								
	y, Malmesbury	Dierehos	pitaal						
Dairy: 2	,, ,								
Northern Ca	ane								
	Kimberley Die	rekliniek							
Sheep: 3									
	rg, Postmasbu	ra Dierekl	iniek						
Goat: 2							
UUGL. Z									
Cryptosp	oridium								^
Cryptosp	<i>oridium</i> Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Cryptosp		Gauteng	Limpopo		State				
Cryptosp PROVINCE Average	Mpumalanga			West 2.3 (3)	2.3 (4)	2.0 (6)	Cape	1.0 (1)	Cape
PROVINCE Average Level of impositions in the second seco	Mpumalanga			West 2.3 (3)	2.3 (4) e case bi	2.0 (6)	Cape	1.0 (1)	Cape
PROVINCE Average Level of impreported	Mpumalanga 3.0 (3) ortance scale: 1			West 2.3 (3) than one	2.3 (4) e case be 2.0	2.0 (6) ut less than to	Cape	1.0 (1)	Cape
PROVINCE Average Level of impreported Beef	Mpumalanga 3.0 (3) ortance scale: 1			West 2.3 (3) than one	2.3 (4) e case be 2.0	2.0 (6) ut less than to	Cape	1.0 (1) more than 1	Cape
PROVINCE Average Level of impreported Beef Dairy Sheep Mpumalang	3.0 (3) ortance scale: 1 3.0 (2) 3.0 (1)	= one case		2.3 (3) than one 3.0 (1)	2.3 (4) 2.0 (1) 2.3	2.0 (6) ut less than to 2.0 (2) 2.0 (1)	Cape	1.0 (1) more than 1	Cape
PROVINCE Average Level of impreported Beef Dairy Sheep Mpumalang Balfour, Bal	Mpumalanga 3.0 (3) ortance scale: 1 3.0 (2) 3.0 (1) Ja Ifour Diereklini	= one case		2.3 (3) than one 3.0 (1)	2.3 (4) 2.0 (1) 2.3	2.0 (6) ut less than to 2.0 (2) 2.0 (1)	Cape	1.0 (1)	Cape
PROVINCE Average Level of impreported Beef Dairy Sheep Mpumalang	Mpumalanga 3.0 (3) ortance scale: 1 3.0 (2) 3.0 (1) Ja Ifour Diereklini	= one case		2.3 (3) than one 3.0 (1)	2.3 (4) 2.0 (1) 2.3	2.0 (6) ut less than to 2.0 (2) 2.0 (1)	Cape	1.0 (1)	Cape
Cryptosp PROVINCE Average Level of impreported Beef Dairy Sheep Mpumalang Balfour, Bal Beef: 3, Shee Middelburg Beef: 3	Mpumalanga 3.0 (3) ortance scale: 1 3.0 (2) 3.0 (1) Ja Ifour Diereklini ep: 3 , Middelburg I	= one case	e, 2 = more	2.3 (3) than one 3.0 (1)	2.3 (4) 2.0 (1) 2.3	2.0 (6) ut less than to 2.0 (2) 2.0 (1)	Cape	1.0 (1)	Cape
PROVINCE Average Level of impreported Beef Dairy Sheep Mpumalang Balfour, Bal Beef: 3, Shee Middelburg Beef: 3 North West	Mpumalanga 3.0 (3) ortance scale: 1 3.0 (2) 3.0 (1) 3.0 (1) Ja Ifour Diereklini Ep: 3 , Middelburg I	= one case	e, 2 = more	2.3 (3) than one 3.0 (1)	2.3 (4) 2.0 (1) 2.3	2.0 (6) ut less than to 2.0 (2) 2.0 (1)	Cape	1.0 (1)	Cape
PROVINCE Average Level of impresented Beef Dairy Sheep Mpumalang Balfour, Bal Beef: 3, Shee Middelburg Beef: 3 North West Christiana,	Mpumalanga 3.0 (3) ortance scale: 1 3.0 (2) 3.0 (1) Ja Ifour Diereklini ep: 3 , Middelburg I	= one case	e, 2 = more	2.3 (3) than one 3.0 (1)	2.3 (4) 2.0 (1) 2.3	2.0 (6) ut less than to 2.0 (2) 2.0 (1)	Cape	1.0 (1)	Cape
Cryptosp PROVINCE Average Level of impreported Beef Dairy Sheep Mpumalang Balfour, Bal Beef: 3, Shee Middelburg Beef: 3 North West Christiana, Sheep: 1	Mpumalanga 3.0 (3) ortance scale: 1 3.0 (2) 3.0 (1) Ja Ifour Diereklini ep: 3 , Middelburg I	= one case	e, 2 = more	2.3 (3) than one 3.0 (1)	2.3 (4) 2.0 (1) 2.3	2.0 (6) ut less than to 2.0 (2) 2.0 (1)	Cape	1.0 (1)	Cape
Cryptosp PROVINCE Average Level of imporeported Beef Dairy Sheep Mpumalang Balfour, Bal Beef: 3, Shee Middelburg Beef: 3 North West Christiana, Sheep: 1	Mpumalanga 3.0 (3) ortance scale: 1 3.0 (2) 3.0 (1) 3.0 (1) Ja Ifour Diereklini Ep: 3 , Middelburg I	= one case	e, 2 = more	2.3 (3) than one 3.0 (1)	2.3 (4) 2.0 (1) 2.3	2.0 (6) ut less than to 2.0 (2) 2.0 (1)	Cape	1.0 (1)	Cape

Beef: 3, Sheep: 3 Free State Clocolan, Clocolan Dierekliniek Beef: 2, Sheep: 3 Parys, Parys Dierehospitaal Sheep: 2 Villiers, Wilgepoort Dierekliniek Vennootskap Sheep: 2 Kwazulu-Natal Bergville, Bergville Veterinary Clinic Beef: 2 **Howick, Howick Veterinary Clinic** Beef: 2, Dairy: 2, Sheep: 3 Pietermaritzburg, Richmond Veterinary Clinic Sheep: 1 Vryheid, Vryheid Privaat Veeartse Sheep: 2 **Western Cape** Malmesbury, Dr Otto Kriek Dairy: 1 Fungal diseases Ringworm Kwazulu-Western North Free Eastern Northern **PROVINCE Mpumalanga Gauteng Limpopo** West State Natal Cape Cape Cape 2.5 2.0(1)1.7(3)1.7(3)**Average** 1.5 (2) 1.8 (4) **(2)** Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported 1.8 (4) Beef 2.0(1)1.0(1)1.7 (3) 1.5 (2) 2.0(1)**Dairy** 2.0(1)Goat Mpumalanga **Nelspruit, Nelspruit Animal Hospital** Beef: 2 Gautena Hammanskraal, Themba Animal Clinic Beef: 1, Goat: 2 **Free State** Ficksburg, Oosvrystaat Diere Produkte Kroonstad, Kroonstad Dierehospitaal Beef: 2 Kwazulu-Natal Mtubatuba, Mtubatuba Animal Clinic Beef: 1

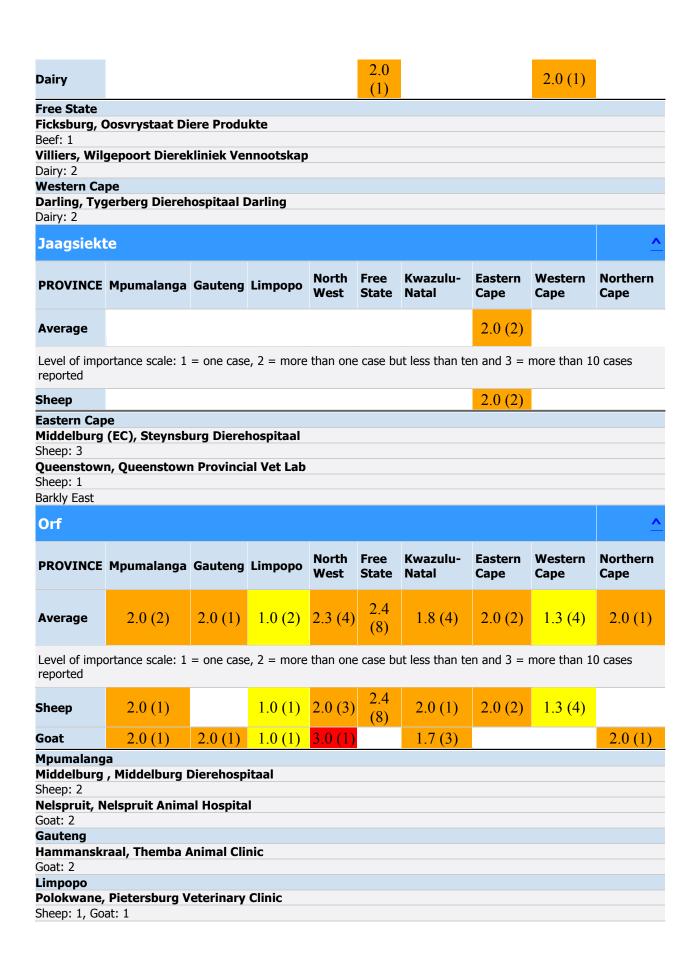
Newcastle, Ncanduvet Newcastle

Beef: 2

			611 1						
Pietermarit Beef: 2	zburg, Richmo	nd Veteri	nary Clinic						
	Underberg Ve	torinary S	Surgon						
Beef: 2	Oliderberg ve	termary 3	urgery						
Eastern Car	ne								
	Riverview Tra	dina Vet (Consulting	Service	s				
Beef: 2	1								
Aliwal Nort	h, Hertzogbrug	Diereklii	niek						
Beef: 1	, ,								
Graaff-Rein	et, Graaff Reir	net Veteri	nary Clinic						
Beef: 2									
Western Ca	•								
	y, Malmesbury	Dierehos	pitaal						
Beef: 2, Dair									
Oudtshoorn	, Ostrimed								
Beef: 1									
Viral Dis	eases (oth	er)							
вмс									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
					1.0				
Average	1.3 (4)		1.3 (3)	1.0 (3)	(1)			1.0 (1)	
Level of impreported	ortance scale: 1	= one case	e, 2 = more	than one	e case bi	ut less than te	en and 3 =	more than 1	0 cases
Beef	1.3 (4)		1.3 (3)	1.0 (3)	1.0 (1)			1.0 (1)	
Mpumalang									
	lfour Diereklin	iek							
Beef: 1									
	irootvlei Diere	kliniek							
Beef: 1	1 d b D:		I						
Lyaenburg, Beef: 2	Lydenburg Die	erespreek	Kamer						
	lelspruit Anima	al Hoenita							
Beef: 1	ieispi uit Aililli	ai iiospita	18						
Limpopo									
	Slouberg Dierel	kliniek							
Beef: 1									
Mokopane,	Dr Henk Visse	r							
Beef: 2									
Tzaneen, Zz	Z2 Farm Practi	ce							
Beef: 1									
North West									
	Klerksdorp Di	erehospit	aal						
Beef: 1	Doughes Di	oldini - I-							
Rustenburg Beef: 1	, Bergbos Dier	екипіек							
	p, Ventersdorp	Diereklin	iok						
Beef: 1	p, ventersuorp	DICI CKIII	IICR						
DCC11 1									

			al						
	Kroonstad Die	rehospita	aı						
Beef: 1									
Western Cap									
	est, Beaufort V	West State	e Vet						
Beef: 1	-inaith ahaan		:n +ha anna						
intensive graz	zing with sheep	and cattle	in the same	e camp.					
Rabies									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average						2.0 (1)		1.0 (1)	
Level of imporeported	ortance scale: 1	= one case	e, 2 = more	than on	e case bi	ut less than te	en and 3 =	more than 1	0 cases
Beef						2.0(1)		1.0(1)	
Kwazulu-Na	ital						<u></u>		
	Underberg Ve	terinary S	urgerv						
Beef: 2									
Western Cap	ре								
	, Dr Otto Krie	k							
Beef: 1	•								
	see how much	Bat-eared	Foxes and `	Yellow Mo	oongoos	es have regula	ar contact b	ecause of a	similar diet
and sharing o	f burrows.			Yellow Mo	oongoos	es have regula	ar contact b	ecause of a	similar diet
and sharing o				Yellow Mo	oongoos	es have regula	ar contact b	ecause of a	similar diet
and sharing o	f burrows.	arrhoea)		Yellow Mo North West		Kwazulu-	Eastern Cape	western Cape	similar diet Northern Cape
and sharing o	f burrows. ine viral dia	arrhoea)		North	Free	Kwazulu- Natal	Eastern Cape	Western	Northern Cape
BVD (Bov PROVINCE Average	f burrows. ine viral dia Mpumalanga	arrhoea) Gauteng	Limpopo	North West	Free State 2.0 (1)	Kwazulu- Natal	Eastern Cape 1.0 (1)	Western Cape 1.0 (1)	Northern Cape 2.0 (1)
BVD (Bov PROVINCE Average Level of impo	f burrows. ine viral dia Mpumalanga 1.0 (1)	arrhoea) Gauteng	Limpopo	North West	Free State 2.0 (1)	Kwazulu- Natal	Eastern Cape 1.0 (1)	Western Cape 1.0 (1)	Northern Cape 2.0 (1)
BVD (Bov PROVINCE Average Level of imporeported	f burrows. ine viral dia Mpumalanga 1.0 (1) ortance scale: 1	arrhoea) Gauteng	Limpopo	North West	2.0 (1) e case bu	Kwazulu- Natal 1.5 (2) ut less than te	Eastern Cape 1.0 (1) en and 3 =	Western Cape 1.0 (1) more than 1	Northern Cape 2.0 (1) 0 cases
PROVINCE Average Level of imporeported Beef Dairy	f burrows. ine viral dia Mpumalanga 1.0 (1) ortance scale: 1 1.0 (1)	arrhoea) Gauteng	Limpopo	North West	2.0 (1) e case bu	Kwazulu- Natal 1.5 (2) ut less than te	Eastern Cape 1.0 (1) en and 3 =	Western Cape 1.0 (1)	Northern Cape 2.0 (1) 0 cases
PROVINCE Average Level of imporeported Beef Dairy Mpumalanga	f burrows. ine viral dia Mpumalanga 1.0 (1) ortance scale: 1 1.0 (1)	Gauteng = one case	Limpopo e, 2 = more	North West	2.0 (1) e case bu	Kwazulu- Natal 1.5 (2) ut less than te	Eastern Cape 1.0 (1) en and 3 =	Western Cape 1.0 (1) more than 1	Northern Cape 2.0 (1) 0 cases
and sharing o BVD (Bov PROVINCE Average Level of imporeported Beef Dairy Mpumalanga Middelburg	f burrows. ine viral dia Mpumalanga 1.0 (1) ortance scale: 1 1.0 (1)	Gauteng = one case	Limpopo e, 2 = more	North West	2.0 (1) e case bu	Kwazulu- Natal 1.5 (2) ut less than te	Eastern Cape 1.0 (1) en and 3 =	Western Cape 1.0 (1) more than 1	Northern Cape 2.0 (1) 0 cases
PROVINCE Average Level of imporeported Beef Dairy Mpumalanga	f burrows. ine viral dia Mpumalanga 1.0 (1) ortance scale: 1 1.0 (1)	Gauteng = one case	Limpopo e, 2 = more	North West	2.0 (1) e case bu	Kwazulu- Natal 1.5 (2) ut less than te	Eastern Cape 1.0 (1) en and 3 =	Western Cape 1.0 (1) more than 1	Northern Cape 2.0 (1) 0 cases
Average Level of imporeported Beef Dairy Mpumalanga Middelburg Beef: 1 Free State	f burrows. ine viral dia Mpumalanga 1.0 (1) ortance scale: 1 1.0 (1) a , Middelburg I	Gauteng = one case	Limpopo e, 2 = more	North West	2.0 (1) e case bu	Kwazulu- Natal 1.5 (2) ut less than te	Eastern Cape 1.0 (1) en and 3 =	Western Cape 1.0 (1) more than 1	Northern Cape 2.0 (1) 0 cases
Average Level of imporeported Beef Dairy Mpumalanga Middelburg Beef: 1 Free State	f burrows. ine viral dia Mpumalanga 1.0 (1) ortance scale: 1 1.0 (1)	Gauteng = one case	Limpopo e, 2 = more	North West	2.0 (1) e case bu	Kwazulu- Natal 1.5 (2) ut less than te	Eastern Cape 1.0 (1) en and 3 =	Western Cape 1.0 (1) more than 1	Northern Cape 2.0 (1) 0 cases
Average Level of imporeported Beef Dairy Mpumalangs Middelburg Beef: 1 Free State Kroonstad, I	f burrows. ine viral dia Mpumalanga 1.0 (1) ortance scale: 1 1.0 (1) a , Middelburg I	Gauteng = one case	Limpopo e, 2 = more	North West	2.0 (1) e case bu	Kwazulu- Natal 1.5 (2) ut less than te	Eastern Cape 1.0 (1) en and 3 =	Western Cape 1.0 (1) more than 1	Northern Cape 2.0 (1) 0 cases
Average Level of imporeported Beef Dairy Mpumalange Middelburg Beef: 1 Free State Kroonstad, I Beef: 2 Kwazulu-Na	f burrows. ine viral dia Mpumalanga 1.0 (1) ortance scale: 1 1.0 (1) a , Middelburg I	Gauteng = one case Dierehospitae	Limpopo e, 2 = more	North West	2.0 (1) e case bu	Kwazulu- Natal 1.5 (2) ut less than te	Eastern Cape 1.0 (1) en and 3 =	Western Cape 1.0 (1) more than 1	Northern Cape 2.0 (1) 0 cases
Average Level of imporeported Beef Dairy Mpumalange Middelburg Beef: 1 Free State Kroonstad, I Beef: 2 Kwazulu-Na	f burrows. ine viral dia Mpumalanga 1.0 (1) ortance scale: 1 1.0 (1) a , Middelburg I Kroonstad Die	Gauteng = one case Dierehospitae	Limpopo e, 2 = more	North West	2.0 (1) e case bu	Kwazulu- Natal 1.5 (2) ut less than te	Eastern Cape 1.0 (1) en and 3 =	Western Cape 1.0 (1) more than 1	Northern Cape 2.0 (1) 0 cases
Average Level of imporeported Beef Dairy Mpumalanga Middelburg Beef: 1 Free State Kroonstad, I Beef: 2 Kwazulu-Na Newcastle, I Beef: 1	f burrows. ine viral dia Mpumalanga 1.0 (1) ortance scale: 1 1.0 (1) a , Middelburg I Kroonstad Die	Gauteng = one case Dierehospi rehospitat wcastle	Limpopo e, 2 = more	North West	2.0 (1) e case bu	Kwazulu- Natal 1.5 (2) ut less than te	Eastern Cape 1.0 (1) en and 3 =	Western Cape 1.0 (1) more than 1	Northern Cape 2.0 (1) 0 cases
PROVINCE Average Level of imporeported Beef Dairy Mpumalanga Middelburg Beef: 1 Free State Kroonstad, I Beef: 2 Kwazulu-Na Newcastle, I Beef: 1	f burrows. ine viral dia Mpumalanga 1.0 (1) ortance scale: 1 1.0 (1) a , Middelburg I Kroonstad Die stal Ncanduvet Ne	Gauteng = one case Dierehospi rehospitat wcastle	Limpopo e, 2 = more	North West	2.0 (1) e case bu	Kwazulu- Natal 1.5 (2) ut less than te	Eastern Cape 1.0 (1) en and 3 =	Western Cape 1.0 (1) more than 1	Northern Cape 2.0 (1) 0 cases

1 a di . F									
Lady Frere ar									
Western Ca	•								
	ch, Stellenbosc	n Anımai i	Hospital						
Dairy: 1									
Abortions									
Northern Ca	-	um Dinunid	:-:-l-						
Postmasbui Beef: 2	rg, Postmasbu	гд Біегекі	iniek						
beer. Z									
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	3.0 (1)			3.0 (1)	2.0 (1)	2.0 (3)			
Level of imported	ortance scale: 1	= one case	e, 2 = more	than one	e case bu	ut less than te	n and 3 =	more than 1	0 cases
Beef	3.0 (1)			3.0 (1)	2.0 (1)	2.0 (3)			
Beef: 2 Kwazulu-Na Bergville, T Beef: 1 Howick, Ho	enekal Diereklin atal lugela Vet Clini wick Veterinar zburg, Richmo	c y Clinic							
Beef: 3	Bovine Leuc	cosis (EE							,
Pietermarit Beef: 3 Enzootic	Bovine Leuc		BL)	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Pietermarit Beef: 3 Enzootic			BL)	North					
Pietermarit Beef: 3 Enzootic PROVINCE Average		Gauteng	BL) Limpopo	North West	1.5 (2)	Natal	Cape	2.0 (1)	Cape



North West	
Brits, Brits Dierekliniek	
Sheep: 2	
Christiana, Christiana Dierehospitaal	
Sheep: 1	
Leeudoringstad, Leeudoringstad Dierekliniek	
Sheep: 3, Goat: 3	
·	
Free State	
Bloemfontein, Dr Stephan Wessels	
Sheep: 3	
Clocolan, Clocolan Dierekliniek	
Sheep: 3	
Hoopstad, Hoopstad Dierekliniek	
Sheep: 3	
Kroonstad, Kroonstad Dierehospitaal	
Sheep: 3	
Ladybrand, Ladybrand	
Sheep: 2	
Viljoenskroon, Viljoenskroon Dierekliniek	
Sheep: 2	
Villiers, Wilgepoort Dierekliniek Vennootskap	
Sheep: 2	
Wesselsbron, Wesselsbron Dierekliniek	
Sheep: 1	
Kwazulu-Natal	
Estcourt, Estcourt Vet Clinic	
Goat: 3	
Pongola, Pongola Animal Clinic	
Goat: 1	
Ulundi, Dr Annelle Duvel CCS Vet	
Goat: 1	
Vryheid, Vryheid Privaat Veeartse	
Sheep: 2	
Eastern Cape	
Cofimvaba, State Vet Cofimvaba	
Sheep: 1	
Middelburg (EC), Steynsburg Dierehospitaal	
Sheep: 3	
Western Cape	
Beaufort West, Beaufort West State Vet	
Sheep: 1	
Generally seen, vaccine made.	
Darling, Tygerberg Dierehospitaal Darling	
Sheep: 1	
Malmesbury, Malmesbury Dierehospitaal	
Sheep: 2	
Riversdale, Riversdal Dierekliniek	
Sheep: 1	
Northern Cape	
Postmasburg, Postmasburg Dierekliniek	
Goat: 2	
Warts	^

PROVINCE Mpumalanga Gauteng Limpopo North Free Kwazulu- Eastern Western Northern

				West	State	Natal	Cape	Cape	Саре
Average	1.0 (1)	2.0 (1)	1.0 (1)	1.0 (1)	1.5 (2)	1.7 (3)	1.0 (1)	1.7 (3)	3.0 (1)
Level of imported	ortance scale: 1	= one case	, 2 = more	than one	case bu	ıt less than te	en and 3 = 1	more than 1	0 cases
Beef		2.0 (1)	1.0 (1)	1.0 (1)	1.5 (2)	1.7 (3)		2.0 (1)	3.0 (1)
Dairy								1.5 (2)	
Sheep							1.0(1)		
-	1.0 (1)						1.0 (1)		
Goat	1.0 (1)								
Mpumalang				_					
	ape Cross Vol	ksrust Die	rehospita	al					
Goat: 1									
Gauteng	, Bapsfontein	Diarahaan	itaal						
Beef: 2	, bapsiontein	Dierenosp	ılaaı						
Limpopo									
	Pietersburg V	eterinary	Clinic						
Beef: 1		,	-						
North West									
Christiana,	Christiana Die	rehospitaa	ıl						
Beef: 1		<u> </u>							
Free State									
	Kroonstad Die	rehospita	al						
Beef: 2									
	e Dierehospita	aal							
Beef: 1									
Kwazulu-Na									
Beef: 2	ergville Veteri	nary Clinic							
	Mtubatuba Ar	simal Clini							
Beef: 1	Mtubatuba Ai	IIIIIai Ciiiii	<u> </u>						
	heid Privaat \	/eeartse							
Beef: 2	,								
Eastern Cap	е								
	State Vet Cofi	mvaba							
Sheep: 1									
Western Ca									
	, Dr Otto Krie	k							
Dairy: 1									
	, Malmesbury	Dierehos	oitaal						
Beef: 2, Dairy Northern Ca									
	ipe Kimberley Die	rakliniak							
Beef: 3	Killiberiey Die	CKIIIICK							
Rota viru	S								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North	Free	Kwazulu-	Eastern	Western	Northern

				West	State	Natal	Cape	Саре	Саре
Average								1.0 (1)	
Level of impore	ortance scale: 1	= one case	e, 2 = more	than one	e case bu	ut less than te	en and 3 = 1	more than 10) cases
Dairy								1.0(1)	
Western Ca									
Malmesbury Dairy: 1	,, Dr Otto Kriel	k							
Rotavirus and	d <i>Cryptosporidiui</i> y. Always read t								
	gs (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								2.0 (1)	
Level of imported	ortance scale: 1	= one case	e, 2 = more	than one	e case bu	ıt less than te	en and 3 = 1	more than 10) cases
Sheep								2.0 (1)	
	pe est, Beaufort V	West State	e Vet						
Sheep: 2 Drought, rain	fall very scattere	ed.							
Cestrum									_
PROVINCE									
	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	Mpumalanga	3.0 (2)	Limpopo						•
Level of impo	Mpumalanga ortance scale: 1	3.0 (2)		West	3.0 (1)	Natal	Cape 2.0 (2)	Cape	Cape
Level of imporeported		3.0 (2)		West	3.0 (1)	Natal	Cape 2.0 (2)	Cape	Cape
Reef Gauteng	ortance scale: 1	3.0 (2) = one case 3.0 (2)	e, 2 = more	West	3.0 (1) e case bu	Natal	2.0 (2) en and 3 = 1	Cape	Cape
Level of impore reported Beef Gauteng Bronkhorsts		3.0 (2) = one case 3.0 (2)	e, 2 = more	West	3.0 (1) e case bu	Natal	2.0 (2) en and 3 = 1	Cape	Cape
Level of impore reported Beef Gauteng Bronkhorsts Beef: 3 Magaliesbur	ortance scale: 1	3.0 (2) = one case 3.0 (2) aat Dierek	e, 2 = more	than one	3.0 (1) e case bu	Natal	2.0 (2) en and 3 = 1	Cape	Cape
Level of impore reported Beef Gauteng Bronkhorsts Beef: 3 Magaliesbur Beef: 3	ortance scale: 1 spruit, Kerkstr	3.0 (2) = one case 3.0 (2) aat Dierek	e, 2 = more kliniek an Jeffrey	than one	3.0 (1) 2 case but 3.0 (1)	Natal ut less than te	2.0 (2) en and 3 = 1	Cape	Cape
Level of impore reported Beef Gauteng Bronkhorsts Beef: 3 Magaliesbur Beef: 3 Inkberries are	ortance scale: 1	3.0 (2) = one case 3.0 (2) aat Dierek irg; Dr Rya	e, 2 = more kliniek an Jeffrey rernment sh	than one	3.0 (1) 2 case but 3.0 (1)	Natal ut less than te	2.0 (2) en and 3 = 1	Cape	Cape

Beef: 3									
Eastern Cap									
	Alexandria Pla	atteland S	preekkam	er					
Beef: 3 Humansdor	p, Humansdor	n Votorins	ry Clinic						
Beef: 1	p, mamansaoi	p veterine	iry Cillic						
Cynanchi	<i>um</i> poisonin	g							^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average				•			2.0 (1)		
Level of impore	ortance scale: 1	= one case	e, 2 = more	than one	e case bu	ut less than te	en and 3 =	more than 1	0 cases
Beef							2.0(1)		
Eastern Cap	e								
Alexandria,	Alexandria Pla	atteland S	preekkam	er					
Beef: 2									
Facial ecz	zema								^
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 one	e case bu	ut less than te	en and 3 =	more than 1	0 cases
Beef							1.0(1)		
Sheep					1.0 (1)				
Free State									
	n, Wesselsbro	n Diereklii	niek						
Sheep: 1 Eastern Cap	ne e								
	Alexandria Pla	atteland S	preekkam	er					
Beef: 1									
Gifblaar									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)								
Level of imported	ortance scale: 1	= one case	e, 2 = more	than one	e case bu	ut less than te	en and 3 =	more than 1	0 cases
Beef	1.0(1)								
- 30.	1.0 (1)								

Lantana									_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.5 (2)	1.0 (2)	2.5 (2)			1.6 (5)			
Level of imported	ortance scale: 1	= one case	e, 2 = more	than one	e case bu	ut less than te	en and 3 =	more than 1	0 cases
Beef	2.5 (2)		2.5 (2)			1.6 (5)			
Dairy		1.0(1)					•		
Sheep		1.0 (1)							
Mpumalang	а	- (-)							
	Longtom Dier	ekliniek							
Beef: 2									
	elspruit Anima	al Hospita	I						
Beef: 3									
Gauteng									
	aal, Themba A	Inimal Cli	nic						
Dairy: 1, Shee	ер: 1								
Limpopo Makhado B	louberg Dierel	diniak							
Beef: 2	louberg Dierer	MIIIICK							
	2 Farm Practio	ce							
Beef: 3									
Only weaker l	heifers affected								
(wazulu-Na	tal								
Bergville, Be	ergville Veterii	nary Clinic	C						
Beef: 2									
	dumeni Herd h	ealth							
Beef: 2		• -							
	tcourt Vet Clin	IIC							
Beef: 1	Mtubatuba An	imal Clini	ic						
Beef: 1	Mitubatuba Ali	illiai Cilli	IC .						
	heid Privaat V	eeartse							
Beef: 2									
Nitrate po	oisoning								_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.0 (1)			1.0 (1)	

Sheep					2.0 (1)			1.0 (1)	
Free State	n, Wesselsbro	n Dierebli	niek						
Sheep: 2		ii Dielekii	illek						
Western Ca Stellenbosc Sheep: 1	pe h, Stellenbosc	h Animal	Hospital						
	cid poisonin	ıg							^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)				1.5 (2)				
Level of imported	ortance scale: 1	= one case	e, 2 = more	than one	e case bu	ut less than te	en and 3 =	more than 1	0 cases
Sheep	2.0 (1)				1.5 (2)				
Sheep: 2 Free State Hertzogville Sheep: 2	Pets Vet Hosp e, Hertzogville n, Wesselsbro	Diereklin							
Senecios	is								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average							2.0 (1)		
Level of impore	ortance scale: 1	= one case	e, 2 = more	than one	e case bu	ut less than te	en and 3 =	more than 1	0 cases
Beef							2.0 (1)		
Eastern Cap Graaff-Rein Beef: 2	et, Graaff Reir	net Veteri	nary Clinic						
Tulip Pois	soning								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average				1.0 (1)	1.0 (1)	2.0 (5)		2.0 (1)	

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Mycotoxi	cosis								_
Sheep: 2									
	Aar Veterinary	Clinic							
Northern Ca									
Sheep: 2	,								
	, Ventersdorp	Diereklin	iek						
North West									
Sai rour, Ba i Sheep: 2	four Diereklini	EK							
Apumalang		al.							
Sheep	2.0 (1)			2.0 (1)					2.0 (1)
reported	2.0 (1)			2.0.(1)					0.0 (1)
	ortance scale: 1	= one case	e, 2 = more	than one	case bu	ut less than te	n and 3 =	more than 1	0 cases
Average	2.0 (1)			2.0 (1)					2.0 (1)
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Vermeers	siekte (<i>Gaig</i>	<i>eria</i> spp	.)						-
Dairy: 2									
	, Swellendam	Dierehos	pitaal						
Vestern Ca									
eef: 1									
	Ncanduvet Ne	wcastle							
Beef: 2	Foculia	, cimic							
	wick Veterinar	v Clinic							
Dunaee, End Beef: 3	uumem nera n	ieditii							
Beef: 2	dumeni Herd h	naalth							
	ıgela Vet Clini	С							
Beef: 2	I- V: CI: :	_							
	ergville Veteri	nary Clini	S						
(wazulu-Na									
Beef: 1									
(roonstad,	Kroonstad Die	rehospita	al						
Free State									
Beef: 1									
	Christiana Die	rehospita	al						
North West								()	
Dairy						'		2.0(1)	
				1.0 (1)	(1)	2.0 (5)			
Beef				1.0 (1)	1.0	2.0 (5)			

1.0(1) **Average** Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported **Dairy** 1.0(1)**Eastern Cape Humansdorp, Humansdorp Veterinary Clinic** Dairy: 1 Other North Free Kwazulu-Eastern Western Northern **PROVINCE Mpumalanga Gauteng Limpopo** West State Natal Cape Cape Cape 2.5 2.2(5)1.0(1) **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 2.0(1)1.0(1)(1) 3.0 Sheep 2.3(4)(1) Free State Parys, Parys Dierehospitaal Beef: 2 Excessive soyabean intake through grains or grazing harvested fields. Frothy bloat and deaths. Sheep: 3 Soya bean toxicity. Excessive soya bean intake through grains or grazing harvested fields. Frothy bloat and one death. **Western Cape Darling, Tygerberg Dierehospitaal Darling** Sheep: 1 Chinkerinchee Piketberg, Piketberg Dierehospitaal Beef: 2 Chinkerinchee poisoning in jersey oxen Sheep: 3 Turksnaald, dikkop in sheep lambs Vredenburg, Vredenburg Dierehospitaal Sheep: 2 Photosensitivity due to Turksnaal **Wellington, Wellington Dierehospitaal** Sheep: 3

Poisonings

Kathu, Kathu Dierekliniek

Ovine dikkop

Northern Cape

Beef: 1 Crotolaria

Urea Pois	oning								^
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 one	e case bu	ut less than te	en and 3 =	more than 1	0 cases
Beef					2.0 (1)				
Dairy							3.0 (1)		
Beef: 2 Eastern Cap	rankfort Diere e ast, Bosberg V		Clinic						
Dairy: 3									
Dry dairy cow	s broke out and	grazed red	cently fertili	zed pastu	ıre, 11 d	eaths			
Snake Bit	te								^
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)
Level of impore	ortance scale: 1	= one case	e, 2 = more	than one	e case bi	ut less than te	en and 3 =	more than 1	0 cases
Beef						1.0(2)	1.0(1)		1.0(1)
Kwazulu-Na Mtubatuba, Beef: 1	ntal Mtubatuba Ar	nimal Clini	c						
_ 00:: _	nnelle Duvel (CCS Vet							
Beef: 1									
Eastern Cap	e Alexandria Pla	attaland S	nrookkam	or					
Beef: 1	AICAGIIUI IA PI	acceidilu 3	pi eekkalli	E					
Northern Ca	•								
Kuruman, K Beef: 1	uruman Diere	kliniek							
Other									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					3.0 (1)			1.5 (2)	2.0 (1)

Level of impore	ortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than te	n and 3 = r	more than 10	0 cases	
Beef								2.0(1)		
Sheep					3.0 (1)			1.0 (1)	2.0 (1)	
Free State										
	Gariep Dierek	liniek								
Sheep: 3										
Salt poisoning										
Western Ca	•									
	gerberg Diereh	ospitaal [Darling							
Sheep: 1										
Lead poisonir										
	Piketberg Dier	ehospitaa								
Beef: 2										
Northern Ca	-	.								
	Aar Veterinary	Clinic								
Sheep: 2										
Geelslekte, co	opper toxicity									
Macro Nutritional Problems										
Energy d	eficiency								^	
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average	1.0 (2)	1.0 (1)	1.3 (4)	1.0 (2)	2.8 (4)	2.6 (7)	2.3 (3)	1.7 (7)	1.5 (2)	
					(4)					
Level of impore	ortance scale: 1	= one case	e, 2 = more	than one		, ,	n and 3 = r	more than 10	0 cases	
					e case b	, ,	n and 3 = 1	2.0 (3)	O cases	
reported Beef	ortance scale: 1				e case but	ut less than te		2.0 (3)	O cases	
reported	ortance scale: 1				2.5 (2)	ut less than te	3.0 (1) 2.0 (2)		2.0 (1)	
reported Beef Dairy Sheep	ortance scale: 1		1.5 (2)	1.0 (1)	2.5 (2)	2.7 (3) 3.0 (1) 2.0 (1)	3.0 (1)	2.0 (3) 2.0 (2) 1.0 (1)		
reported Beef Dairy Sheep Goat	1.0 (1)		1.5 (2)	1.0 (1)	2.5 (2)	2.7 (3) 3.0 (1)	3.0 (1)	2.0 (3)	2.0 (1)	
reported Beef Dairy Sheep Goat Mpumalang	1.0 (1) 1.0 (1)	1.0 (1)	1.5 (2)	1.0 (1)	2.5 (2)	2.7 (3) 3.0 (1) 2.0 (1)	3.0 (1)	2.0 (3) 2.0 (2) 1.0 (1)	2.0 (1)	
reported Beef Dairy Sheep Goat Mpumalang Balfour, Bal	1.0 (1) 1.0 (1) 1.0 (1)	1.0 (1)	1.5 (2)	1.0 (1)	2.5 (2)	2.7 (3) 3.0 (1) 2.0 (1)	3.0 (1)	2.0 (3) 2.0 (2) 1.0 (1)	2.0 (1)	
reported Beef Dairy Sheep Goat Mpumalang Balfour, Bal Beef: 1, Shee	1.0 (1) 1.0 (1) 1.0 (1)	1.0 (1)	1.5 (2)	1.0 (1)	2.5 (2)	2.7 (3) 3.0 (1) 2.0 (1)	3.0 (1)	2.0 (3) 2.0 (2) 1.0 (1)	2.0 (1)	
reported Beef Dairy Sheep Goat Mpumalang Balfour, Bal Beef: 1, Shee Gauteng	1.0 (1) 1.0 (1) 1.0 (1) 1.0 (1) 1.0 (1)	1.0 (1)	1.5 (2) 1.0 (1) 1.0 (1)	1.0 (1)	2.5 (2)	2.7 (3) 3.0 (1) 2.0 (1)	3.0 (1)	2.0 (3) 2.0 (2) 1.0 (1)	2.0 (1)	
reported Beef Dairy Sheep Goat Mpumalang Balfour, Bal Beef: 1, Shee Gauteng Hammanski	1.0 (1) 1.0 (1) 1.0 (1)	1.0 (1)	1.5 (2) 1.0 (1) 1.0 (1)	1.0 (1)	2.5 (2)	2.7 (3) 3.0 (1) 2.0 (1)	3.0 (1)	2.0 (3) 2.0 (2) 1.0 (1)	2.0 (1)	
reported Beef Dairy Sheep Goat Mpumalang Balfour, Bal Beef: 1, Shee Gauteng Hammansk	1.0 (1) 1.0 (1) 1.0 (1) 1.0 (1) 1.0 (1)	1.0 (1)	1.5 (2) 1.0 (1) 1.0 (1)	1.0 (1)	2.5 (2)	2.7 (3) 3.0 (1) 2.0 (1)	3.0 (1)	2.0 (3) 2.0 (2) 1.0 (1)	2.0 (1)	
reported Beef Dairy Sheep Goat Mpumalang Balfour, Bal Beef: 1, Shee Gauteng Hammanski Beef: 1 Limpopo	1.0 (1) 1.0 (1) 1.0 (1) 1.0 (1) 1.0 (1)	1.0 (1) iek	1.5 (2) 1.0 (1) 1.0 (1)	1.0 (1)	2.5 (2)	2.7 (3) 3.0 (1) 2.0 (1)	3.0 (1)	2.0 (3) 2.0 (2) 1.0 (1)	2.0 (1)	
reported Beef Dairy Sheep Goat Mpumalang Balfour, Bal Beef: 1, Shee Gauteng Hammanski Beef: 1 Limpopo Mokopane,	1.0 (1) 1.0 (1) 1.0 (1) 1.0 (1) 1.0 (1) 1.0 (1) 1.0 (1) 1.0 (1)	1.0 (1) iek	1.5 (2) 1.0 (1) 1.0 (1)	1.0 (1)	2.5 (2)	2.7 (3) 3.0 (1) 2.0 (1)	3.0 (1)	2.0 (3) 2.0 (2) 1.0 (1)	2.0 (1)	
reported Beef Dairy Sheep Goat Mpumalang Balfour, Bal Beef: 1, Shee Gauteng Hammanski Beef: 1 Limpopo Mokopane, Beef: 2	1.0 (1) 1.0 (1) 1.0 (1) 1.0 (1) 1.0 (1) 1.0 (1) 1.0 (1) 1.0 (1)	iek Animal Cli	1.5 (2) 1.0 (1) 1.0 (1) nic	1.0 (1)	2.5 (2)	2.7 (3) 3.0 (1) 2.0 (1)	3.0 (1)	2.0 (3) 2.0 (2) 1.0 (1)	2.0 (1)	

Beef: 1, Sheep: 1, Goat: 1

Ventersdorp, Ventersdorp Dierekliniek

North West

Beef: 1, Sheep: 1
Free State

Frankfort, Frankfort Dierekliniek

Beef: 3, Sheep: 3

Reitz, Riemland Dierehospitaal

Beef: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 3

Kwazulu-Natal

Howick, Howick Veterinary Clinic

Beef: 3, Dairy: 3

Pietermaritzburg, Richmond Veterinary Clinic

Beef: 2, Sheep: 2, Goat: 2

Ulundi, Dr Annelle Duvel CCS Vet

Beef: 3, Goat: 3
Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Dairy: 3

Middelburg (EC), Steynsburg Dierehospitaal

Sheep: 3

Uitenhage, Uitenhage Dierehospitaal

Sheep: 1
Western Cape

Malmesbury, Dr Otto Kriek

Dairy: 1

Elevated MUN and energy deficiency: Energy deficiency in rations tends to have an insidious nature if not measured on a frequent basis. The role of nutritionists on any dairy farm is by far the most important input. Metabolic monitoring is a must on a regular basis and rations then adjusted according to results. We are frustrated by supply of quality raw products used in TMRs on a regular basis and unfortunately problems are picked up only after considerable losses when it is almost too late.

Malmesbury, Malmesbury Dierehospitaal

Beef: 3, Dairy: 3

Oudtshoorn, Ostrimed Beef: 1, Sheep: 1, Goat: 1

Stellenbosch, Stellenbosch Animal Hospital

Beef: 2

Northern Cape

Postmasburg, Postmasburg Dierekliniek

Sheep: 2, Goat: 1

Protein deficiency										
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average	1.0 (2)	2.0 (3)	1.0 (4)	1.0 (2)	2.4 (5)	2.2 (10)	3.0 (4)	2.0 (2)		
Level of impereported	ortance scale: 1		,						0 cases	
Beef	1.0 (1)	1.0(1)	1.0 (2)	1.0 (1)	2.3 (4)	2.2 (5)	3.0 (1)	2.0 (1)		
Dairy							3.0 (1)	2.0 (1)		

Sheep	1.0 (1)	3.0 (1)	1.0(1)	1.0 (1) 3.0 (1)	2.0 (3)	3.0 (1)	
Goat		2.0 (1)	1.0(1)		2.5 (2)	3.0 (1)	
Mpumalang							
	four Diereklin	iek					
Beef: 1, Shee	ep: 1						
Gauteng			_				
	raal, Themba A	Animal Clir	nic				
	ep: 3, Goat: 2						
Limpopo	D.: 11l- \/:						
	Dr Henk Visse	r					
Beef: 1	Dieterskere V	lakauluaau.	Clinia				
	Pietersburg V	eterinary	Clinic				
Beef: 1, Shee North West	•						
	o, Ventersdorp	Dioroklin	iok				
Beef: 1, Shee		DICIEKIIII	ICK				
Free State	:р. 1						
	ocolan Dierek	liniek					
Beef: 2	ocolali Dicick	iiiick					
	rankfort Diere	kliniek					
Beef: 3							
	s Dierehospita	al					
Beef: 2, Shee		·					
•	land Dierehos	pitaal					
Beef: 2							
Kwazulu-Na	atal						
Howick, Ho	wick Veterina	ry Clinic					
Beef: 2							
Newcastle,	Ncanduvet Ne	wcastle					
Beef: 2, Shee	ep: 2						
Pietermarit	zburg, Richmo	nd Veterir	nary Clinic	3			
	ep: 2, Goat: 2						
	Annelle Duvel (CCS Vet					
Beef: 3, Goat							
	Underberg Ve	terinary S	urgery				
Beef: 2, Shee	•						
Eastern Cap							
	Alexandria Pla	atteland S	preekkam	er			
Dairy: 3	/=a> a						
	(EC), Steynsb ep: 3, Goat: 3	urg Dierei	nospitaal				
Western Ca	•						
	y, Malmesbury	Dierehos	pitaal				
Beef: 2, Dairy							
	te deficiency	У					^

Phosphate deficiency									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average				3.0 (1)					2.5 (2)

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

reported									
Beef				3.0(1)					2.5 (2)
North West									
Christiana,	Christiana Die	rehospita	al						
Beef: 3									
Northern Ca	аре								
Kuruman, K	uruman Diere	kliniek							
Beef: 3									
Postmasbur	g, Postmasbu	rg Dierekl	iniek						
Beef: 2									
Calcium o	deficiency								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average		2.0 (4) 1.8 (6) 2.0 (1) 2.0 (3)							
Level of impore	ortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than te	en and 3 =	more than 1	0 cases
Beef						1.5 (2)		2.0 (1)	
Dairy					1.0 (1)	3.0 (1)		2.0 (1)	
Sheep					2.3 (3)	1.5 (2)	2.0 (1)	2.0 (1)	
Goat						2.0 (1)			
Free State									
Frankfort, F	rankfort Diere	kliniek							
Sheep: 3									
Ladybrand,									
Dairy: 1, She									
	gepoort Dierel	diniek Ve	nnootskap						
Sheep: 3									
Kwazulu-Na									
	ugela Vet Clini	С							
Beef: 1, Shee		ar Cliesta							
	wick Veterinar	y Clinic							
Dairy: 3	zhura Dishma	nd Votori	nanı Clinia						
	zburg, Richmo	na veteri	nary Clinic						
Beef: 2, Shee Eastern Cap									
	e Nitelsbos Vete	rinary Co	ncultina D	oome					
Sheep: 2	WILEISDOS VELE	annary CO	nsuring K	CUIIIS					
Western Ca	ne								
	,, Malmesbury	Dierehos	nitaal						
	/: 2, Sheep: 2	c. c.103	p.tuul						
Decri Z, Dull	,, onecp								

Micro Nutritional Problems

Copper d	eficiency								-
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)					1.0 (1)			
Level of impore	ortance scale: 1	= one case	e, 2 = more	than one	e case bu	ut less than te	en and 3 =	more than 1	0 cases
Beef	2.0 (1)					1.0(1)			
Mpumalang									
	Cape Cross Vol	ksrust Die	rehospita	al					
Beef: 2	.t.a.l								
(wazulu-Na Bergville Ti	ıtaı ugela Vet Clini	r							
Beef: 1	ugela vet ellili								
Zinc defic	ciency								
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northerr Cape
Average		3.0 (1)				2.0 (1)			
Level of impore	ortance scale: 1	= one case	e, 2 = more	than one	e case bu	ut less than te	en and 3 =	more than 1	0 cases
Beef						2.0 (1)			
Goat		3.0 (1)							
Gauteng									
	nderstepoort A	cademic I	lospital ar	nd Produ	iction A	nimal Clinic			
Goat: 3 (wazulu-Na	atal								
	dumeni Herd h	nealth							
Beef: 2									
Selenium	deficiency								
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northerr Cape
Average	2.0 (1)			3.0 (1)		1.7 (3)			
Level of imported	ortance scale: 1	= one case	e, 2 = more	than one	e case bu	ut less than te	en and 3 =	more than 1	0 cases
Beef	2.0(1)					1.5 (2)			
Sheep				3.0(1)					
Goat						2.0(1)			
Ipumalang Iolksrust, C Beef: 2	a Cape Cross Vol	ksrust Die	erehospita	al					

North West										
	Christiana Die	rehospita	al							
Sheep: 3 Kwazulu-Na	ntal									
	ıgela Vet Clini	С								
Beef: 1										
Olundi, Dr A Beef: 2, Goat	nnelle Duvel (CCS Vet								
	ım deficienc	CV							^	
		•								
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average					1.5 (2)		3.0 (1)			
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported										
Beef					1.5 (2)					
Sheep							3.0 (1)			
Free State Clocolan, Clocolan Dierekliniek										
Beef: 2 Wesselsbro Beef: 1 Eastern Cap	n, Wesselsbroi e	n Dierekli								
Middelburg Sheep: 3	(EC), Steynsb	urg Dierel	hospitaal							
Mangane	se deficienc	Cy							^	
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 bu	ıt less than te	en and 3 =	more than 1	0 cases	
Beef						2.0 (1)				
Kwazulu-Na										
Dundee, End Beef: 2	dumeni Herd h	ealth								
Vitamin A	deficiency								^	
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average	2.0 (1)			3.0 (1)	2.0	1.7 (3)			2.0 (1)	

			(2)			
Level of imported	ortance scale: 1	= one case, 2 = more than one	case bu	t less than te	n and 3 = more than 10) cases
Beef	2.0 (1)	3.0 (1)	2.0 (1)	2.0 (1)		2.0 (1)
Sheep			2.0 (1)	2.0 (1)		
Goat				1.0 (1)		

Mpumalanga

Nelspruit, Nelspruit Animal Hospital

Beef: 2 North West

Christiana, Christiana Dierehospitaal

Beef: 3
Free State

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2, Sheep: 2 **Kwazulu-Natal**

Ulundi, Dr Annelle Duvel CCS Vet

Goat: 1

Underberg, Underberg Veterinary Surgery

Beef: 2, Sheep: 2
Northern Cape

Kuruman, Kuruman Dierekliniek

Beef: 2

Vitamin B deficiency									
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

Goat 1.0 (1)

Limpopo

Polokwane, Pietersburg Veterinary Clinic

Multi-factorial Disease Conditions

Goat: 1

Abortions

Northern North Free Kwazulu-Eastern Western **PROVINCE Mpumalanga Gauteng Limpopo** West State Natal Cape Cape Cape 1.9 1.3 (3) 1.0 (1) 2.7 (3) 1.8 (4) 2.0(7)1.0(1) 2.0 (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	

Beef	1.8 (4)	1.5 (2)	1.0 (1)	2.5 (2)	2.0 (9)	2.0 (6)	1.0 (1)		
Dairy					1.0 (2)			2.5 (4)	
Sheep		1.0 (1)		3.0 (1)	2.3 (4)			1.3 (3)	2.0 (1)
Goat					2.0 (1)	2.0 (1)			2.0 (1)

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 2

Lydenburg, Lydenburg Dierespreekkamer

Beef: 2

Middelburg , Middelburg Dierehospitaal

Beef: 2

Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 1

Gauteng

Bapsfontein, Bapsfontein Dierehospitaal

Beef: 2, Sheep: 1

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1 Limpopo

Mokopane, Dr Henk Visser

Beef: 1 North West

Christiana, Christiana Dierehospitaal

Beef: 3

Stella, Stella Dierekliniek

Sheep: 3

Ventersdorp, Ventersdorp Dierekliniek

Beef: 2 Free State

Bloemfontein, Dr Stephan Wessels

Beef: 2

Clocolan, Clocolan Dierekliniek

Beef: 2

Frankfort, Frankfort Dierekliniek

Beef: 3, Sheep: 3

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Dairy: 1, Sheep: 1

Ladybrand, Ladybrand

Beef: 2

Parys, Parys Dierehospitaal

Beef: 2

Goat and cattle abortions in the Parys area were due to an iodine deficiency. A calf and lamb foetus were sent for diagnosis to Vetdiagnostixx for analysis. At postmortem it is important to weigh the thyroid and abortus. Abortions will be documented for statistical significance. Is lye-washing (uitloging) of natural resources getting more and more

important for herd health. Goat: 2 Goat and cattle abortions in the Parys area were due to an iodine deficiency. A calf and lamb foetus were sent for diagnosis to Vetdiagnostixx for analysis. At postmortem it is important to weigh the thyroid and abortus. Abortions will be documented for statistical significance. Is lye-washing (uitloging) of natural resources getting more and more important for herd health. **Reitz, Riemland Dierehospitaal** Beef: 2, Dairy: 1 Viljoenskroon, Viljoenskroon Dierekliniek Beef: 1 Villiers, Wilgepoort Dierekliniek Vennootskap Beef: 1, Sheep: 2 Kwazulu-Natal **Bergville, Bergville Veterinary Clinic** Beef: 2 **Dundee, Endumeni Herd health** Beef: 2 **Howick, Howick Veterinary Clinic** Beef: 2 **Newcastle, Ncanduvet Newcastle** Pietermaritzburg, Richmond Veterinary Clinic Beef: 2 **Ulundi, Dr Annelle Duvel CCS Vet** Goat: 2 **Underberg, Underberg Veterinary Surgery** Beef: 3 Late pregnancy - fungus in silage? **Eastern Cape** Queenstown, Queenstown Provincial Vet Lab Beef: 1 **Western Cape Beaufort West, Beaufort West State Vet** Sheep: 1 **Foetuses Darling, Tygerberg Dierehospitaal Darling** Malmesbury, Dr Otto Kriek Dairy: 2 **Oudtshoorn, Ostrimed** Sheep: 2 **Oudtshoorn, Oudtshoorn Dierekliniek** Sheep: 1 Stellenbosch, Stellenbosch Animal Hospital Dairy: 2 **BVD** Swellendam, Swellendam Dierehospitaal Dairy: 3

Stillbirths									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North	Free	Kwazulu-	Eastern	Western	Northern

Northern Cape

Sheep: 2, Goat: 2

Postmasburg, Postmasburg Dierekliniek

				West	State	Natal	Cape	Cape	Cape
Average					2.3 (4)	2.3 (3)	l	1.0 (2)	
Level of impore	ortance scale: 1	= one case	e, 2 = more	than one	case bu	ut less than te	en and 3 = i	more than 10	0 cases
Beef					2.0 (1)	2.0 (2)			
Dairy						3.0 (1)			
Sheep					2.3	3.0 (1)		1.0(1)	
C+					(3)			1.0 (1)	
Goat								1.0 (1)	
Free State									
	rankfort Diere	Kliniek							
Sheep: 3	loopstad Diere	kliniok							
Beef: 2, Shee	-	KIIIIEK							
	:p. 3 n, Wesselsbro i	n Dierekli	niek						
Sheep: 1	., 11033013510	ii Dici cikii	ck						
Kwazulu-Na	ntal								
	ergville Veteri	nary Clini	С						
Beef: 2									
Howick, Ho	wick Veterinar	y Clinic							
Beef: 2, Dairy	/: 3								
Western Ca	•								
	est, Beaufort V	Vest State	e Vet						
Sheep: 1									
Drought play	a big role.								
Goat: 1									
Plot farmer, e	ewes lost (15/15) all their la	ambs						
Abscesse	S								
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
	Mpumalanga	Gauteng 1.8 (4)	Limpopo	North West	State 1.6				
Average Level of impo	-	1.8 (4)		West 1.3 (4)	1.6 (5)	1.0 (2)	1.0 (3)	1.8 (8)	2.0 (1)
Average Level of imporeported	1.3 (4)	1.8 (4)		West 1.3 (4)	1.6 (5)	1.0 (2)	1.0 (3)	1.8 (8)	2.0 (1) 0 cases
Average	1.3 (4) ortance scale: 1	1.8 (4) = one case		1.3 (4) than one	1.6 (5) e case bu	Natal 1.0 (2) ut less than te	1.0 (3) en and 3 = 1	1.8 (8) more than 10	2.0 (1)

1.5 (2)

Goat

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Grootvlei, Grootvlei Dierekliniek

Beef: 1

Lydenburg, Lydenburg Dierespreekkamer

Beef: 1

Nelspruit, Nelspruit Animal Hospital

Beef: 2

Gauteng

Bapsfontein, Bapsfontein Dierehospitaal

Sheep: 2

Hammanskraal, Themba Animal Clinic

Goat: 2

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 2, Goat: 1 Corynebacterium

North West

Christiana, Christiana Dierehospitaal

Beef: 1

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 2

Stella, Stella Dierekliniek

Beef: 1

Ventersdorp, Ventersdorp Dierekliniek

Beef: 1
Free State

Clocolan, Clocolan Dierekliniek

Beef: 1

Hoopstad, Hoopstad Dierekliniek

Beef: 2, Sheep: 2

Ladybrand, Ladybrand

Beef: 1

Philippolis, Rowelsfontein veearts Spreekkamer

Sheep: 2

Kwazulu-Natal

Bergville, Tugela Vet Clinic

Beef: 1, Sheep: 1
Eastern Cape

Somerset East, Bosberg Veterinary Clinic

Dairy: 1

Right AV valve affected, secondary symbolic infractions in the kidneys

Sheep: 1

Right AV valve affected, signs of congestive right sided heart failure with ascites and cyanotic induration of the liver

Uitenhage, Uitenhage Dierehospitaal

Beef: 1

Western Cape

Ceres, Ceres Veterinary Hospital

Dairy: 1

Cow with foot abscess

Darling, Tygerberg Dierehospitaal Darling

Dairy: 2, Sheep: 2

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2, Sheep: 2

Stellenbosch, Stellenbosch Animal Hospital

Dairy: 1

Wellington,	Wellington Di	erehospit	aal						
Sheep: 2									
Northern Ca	ре								
Kuruman, K	uruman Diere	kliniek							
Beef: 2									
Abscesse	s in general								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average		2.3 (4)			2.0 (4)	2.7 (3)	1.0 (1)	2.0 (3)	
Level of imported	ortance scale: 1	= one case	e, 2 = more	than one	e case bu	ut less than te	n and 3 =	more than 1	0 cases
Beef		3.0 (1)			2.0 (2)	2.5 (2)	1.0 (1)	2.0 (1)	
Dairy						3.0 (1)		2.0(1)	
Sheep		1.0 (1)			2.0 (2)			2.0 (1)	
Goat		2.5 (2)			()				
		2.0 (2)							
Gauteng Bronkhorste	spruit, Kerkstr	aat Diorol	rlinial _r						
Sheep: 1, Go		aat Dielei	MIIIICK						
	raal, Themba <i>A</i>	Animal Cli	nic						
Beef: 3, Goat		anniai Cin							
Free State									
Hoopstad, F	loopstad Diere	ekliniek							
Beef: 2, Shee	-								
	Kroonstad Die	rehospita	al						
Beef: 2, Shee	p: 2								
Kwazulu-Na									
	ergville Veteri	nary Clinic	C						
Beef: 2									
	wick Veterinar	y Clinic							
Dairy: 3									
	nnelle Duvel (CCS Vet							
Beef: 3									
Eastern Cap		. Diaraklir	sial.						
Beef: 1	n, Hertzogbrug	Dierekili	пек						
Western Ca	ne								
		Dierehos	nitaal						
Malmesbury, Malmesbury Dierehospitaal Beef: 2, Dairy: 2, Sheep: 2									
Bladder s									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average		1.0 (1)							

Level of impore	ortance scale: 1	= one case	e, 2 = more	than one	e case bu	ut less than te	en and 3 =	more than 1	0 cases
Beef		1.0(1)							
Gauteng Bapsfontein Beef: 1	, Bapsfontein		oitaal						
Blindness	5								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					1.7 (3)	1.0 (1)			2.3 (3)
Level of imported	ortance scale: 1	= one case	e, 2 = more	than one	e case bu	ut less than te	en and 3 =	more than 1	0 cases
Beef					2.0 (1)				3.0 (1)
Sheep					1.5 (2)				2.0 (1)
Goat						1.0(1)			2.0(1)
Sheep: 1 Villiers, Wilg Beef: 2, Shee Kwazulu-Na Ulundi, Dr A Goat: 1 Northern Ca Kuruman, K Beef: 3	ntal Innelle Duvel (Inpe Inpe Inperentation (Inperentation)	kliniek Ver CCS Vet kliniek	nnootskap)					
Postmasbur Sheep: 2, Goo	rg, Postmasbu at: 2	rg Dierekl	iniek						
Bloat									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)				1.5 (2)	2.0 (1)	1.0 (1)	2.0 (2)	
Level of imported	ortance scale: 1	= one case	e, 2 = more	than one	e case bu	ut less than te	en and 3 =	more than 1	0 cases
					1.0			(1)	
Beef	1.0 (1)				(1)	2.0 (1)	1.0(1)	2.0 (1)	

2.0 Sheep **(1) Mpumalanga** Grootvlei, Grootvlei Dierekliniek Beef: 1 **Free State** Clocolan, Clocolan Dierekliniek Sheep: 2 Reitz, Riemland Dierehospitaal Beef: 1 Kwazulu-Natal **Dundee, Endumeni Herd health** Beef: 2 **Eastern Cape** Alexandria, Alexandria Platteland Spreekkamer Beef: 1 **Western Cape** Malmesbury, Malmesbury Dierehospitaal Beef: 2, Dairy: 2 Blue udder Kwazulu-Eastern Western Northern North **Free PROVINCE Mpumalanga Gauteng Limpopo** West State Natal Cape Cape Cape 2.3 **Average** 2.0(1)1.0(1)1.0(1)1.0(2)1.3 (3) (4)Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported **Dairy** 1.0(1) 1.0(1) 1.0(1)2.3 Sheep 2.0(1)1.0(1) 1.5 (2) (4)1.0(1)Goat Mpumalanga **Standerton, Econovet** Sheep: 2 Gauteng **Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic** Goat: 1 **Free State** Frankfort, Frankfort Dierekliniek Sheep: 3 Hoopstad, Hoopstad Dierekliniek Sheep: 3 Kroonstad, Kroonstad Dierehospitaal Sheep: 2 Wesselsbron, Wesselsbron Dierekliniek Sheep: 1 Kwazulu-Natal **Dundee, Endumeni Herd health** Dairy: 1

Eastern Cape

Humansdorp, Humansdorp Veterinary Clinic

Sheep: 1

Somerset East, Bosberg Veterinary Clinic

Dairy: 1

Dried off cow, over fed energy and still secreting from udder, environmental opputunistic infection

Western Cape

Caledon, Overberg Veterinary Hospital

Sheep: 1

Malmesbury, Malmesbury Dierehospitaal

Sheep: 2

Stellenbosch, Stellenbosch Animal Hospital

Dairy: 1

E. coli/Klebsiella

Diarrhoea										
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average	2.5 (4)	2.0 (6)		3.0 (3)	2.3 (12)	2.6 (10)		2.4 (5)	2.0 (2)	

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

Beef	2.7 (3)	2.0 (2)	3.0 (2)	2.1 (7)	2.5 (4)		
Dairy	2.0 (1)	2.0 (1)		3.0 (1)	3.0 (1)	2.5 (4)	
Sheep		2.0 (2)	4 11 / 1 1	2.5 (4)	2.7 (3)		2.0 (1)
Goat		2.0 (1)			2.5 (2)	2.0 (1)	2.0 (1)

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 3

Grootvlei, Grootvlei Dierekliniek

Beef: 2

Lydenburg, Lydenburg Dierespreekkamer

Dairy: 2

Middelburg, Middelburg Dierehospitaal

Beef: 3

Gauteng

Bapsfontein, Bapsfontein Dierehospitaal

Beef: 2, Dairy: 2, Sheep: 2

Hammanskraal, Themba Animal Clinic

Beef: 2, Goat: 2

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2

North West

Christiana, Christiana Dierehospitaal

Beef: 3, Sheep: 3

Ventersdorp, Ventersdorp Dierekliniek

Beef: 3 Free State **Bloemfontein, Dr Stephan Wessels** Clocolan, Clocolan Dierekliniek Beef: 2, Dairy: 3, Sheep: 3 Hoopstad, Hoopstad Dierekliniek Beef: 3, Sheep: 3 Kroonstad, Kroonstad Dierehospitaal Sheep: 2 Reitz, Riemland Dierehospitaal Beef: 2 Viljoenskroon, Viljoenskroon Dierekliniek Villiers, Wilgepoort Dierekliniek Vennootskap Beef: 2, Sheep: 2 Wesselsbron, Wesselsbron Dierekliniek Beef: 1 Kwazulu-Natal **Bergville, Bergville Veterinary Clinic** Beef: 3 Bergville, Tugela Vet Clinic Goat: 2 **Dundee, Endumeni Herd health** Beef: 3, Sheep: 3 **Howick, Howick Veterinary Clinic** Beef: 2, Dairy: 3, Sheep: 3 Pietermaritzburg, Richmond Veterinary Clinic Beef: 2, Sheep: 2 Ulundi, Dr Annelle Duvel CCS Vet Goat: 3 **Western Cape Darling, Tygerberg Dierehospitaal Darling** Dairy: 3 Malmesbury, Dr Otto Kriek Dairy: 3 Malmesbury, Malmesbury Dierehospitaal Dairy: 3 **Oudtshoorn, Ostrimed** Goat: 2 Stellenbosch, Stellenbosch Animal Hospital Dairy: 1 **Northern Cape** Kuruman, Kuruman Dierekliniek Sheep: 2, Goat: 2 **Epididymitis** North Free Kwazulu-Eastern Western Northern **PROVINCE Mpumalanga Gauteng Limpopo** West State Natal Cape Cape Cape 2.0(1)**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

Sheep							1.0(1)	2.0(1)	
Eastern Cap	ne .							()	
-	h, Hertzogbrug	Diereklir	niek						
Sheep: 1	,	, - 10. 0							
Western Ca	pe								
	y, Malmesbury	Dierehos	pitaal						
Sheep: 2			•						
Eye Canc	er								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average		1.0 (2)			1.5 (4)	2.5 (2)	1.0 (1)	2.0 (2)	
Level of impore	ortance scale: 1	= one case	e, 2 = more	than one		ut less than te	en and 3 =	more than 1	0 cases
Beef		1.0 (2)			2.0 (1)	2.0 (1)	1.0 (1)		
Dairy					1.3 (3)	3.0 (1)		2.0 (2)	
Gauteng									
	, Bapsfontein	Dierehos	oitaal						
Beef: 1	•								
Bronkhorsts Beef: 1	spruit, Kerkstr	aat Dierel	kliniek						
Free State									
Clocolan, Cl	ocolan Dierek	liniek							
Dairy: 1									
Frankfort, F	rankfort Diere	kliniek							
Beef: 2									
	Kroonstad Die	rehospita	al						
Dairy: 2									
Ladybrand,	Ladybrand								
Dairy: 1									
Kwazulu-Na									
	ergville Veteri	nary Clinic	C						
Beef: 2	wick Veterinaı	y Clinic							
Dairy: 3	ANICK ACCELLISA	y Chillic							
Eastern Cap	ne .								
	h, Hertzogbrug	Diereklir	niek						
Beef: 1	.,	, =							
Western Ca	pe								
	y, Malmesbury	Dierehos	pitaal						
Dairy: 2									
	n, 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	1.7 (3)	1.5 (4)	1.0 (1)	3.0 (1)	2.2 (5)	2.3 (4)	1.7 (3)	2.0 (2)	3.0 (1)
Level of imported	ortance scale: 1	= one case	e, 2 = more	than one	e case bu	ut less than te	en and 3 =	more than 1	0 cases
Beef		1.0(1)	1.0 (1)	3.0 (1)	2.3 (3)	2.0 (2)			3.0 (1)
Dairy	1.0(1)					3.0 (1)	1.5 (2)	2.0(1)	
Sheep	2.0 (1)	2.0 (2)			2.0 (2)		2.0 (1)	2.0 (1)	
Goat	2.0 (1)	1.0(1)				2.0(1)			
Dairy: 1, Goa Lydenburg, Sheep: 2 Gauteng Hammanski Beef: 1, Goat Magaliesbur Sheep: 3 Keratokonjun Pretoria, On Sheep: 1 Keratitis Limpopo Bela Bela, A Beef: 1 North West	regloed Vetering t: 2 Lydenburg Die raal, Themba A : 1 rg, Magaliesbur ctivitis - spreading derstepoort A	Animal Cli Irg; Dr Ry ng cademic I	kamer nic an Jeffrey Hospital ar		iction A	nimal Clinic			
Christiana, Geef: 3 Free State	Christiana Die	rehospita	al						
Bultfontein, Beef: 2	Greylingsrust		eekkamer						
Beef: 3 Ladybrand, Sheep: 2	<u> </u>								
Viljoenskroe Beef: 2, Shee		oon Dierel	kliniek						
Kwazulu-Na Bergville, Be Beef: 2	ital ergville Veterii	nary Clini	С						
Howick, How Dairy: 3	wick Veterinar Mtubatuba Ar		ic						
Beef: 2	nnelle Duvel (

Goat: 2

Englass Ca									
Eastern Cap		allale d C							
	Alexandria Pla	atteiand S	ргееккат	er					
Dairy: 2	et, Graaff Reir	act Votorii	namı Clinic	•					
Sheep: 2	et, Graan Ken	iet veterii	nary Cillic	1					
•	p, Humansdor	n Votorins	ery Clinic						
Dairy: 1	p, mamansuoi	p veterine	ary Chilic						
Western Ca	ne								
	ر, Malmesbury	Dierehos	nitaal						
Dairy: 2	,, ,		p						
Oudtshoorn	, Ostrimed								
Sheep: 2	•								
•	d close proximity	as animals	need to be	e fed. Ma	raxella /	Mycoplasma			
Northern Ca	ре								
Kimberley,	Kimberley Die	rekliniek							
Beef: 3									
Keratokonjun	ctivitis								
Joint Ill									^
JOHNE III									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
_		1.0.(2)	1.0 (1)		2.0	1.2 (2)		2.0.(2)	2.0.(2)
Average		1.0(2)	1.0 (1)		(2)	1.3 (3)		2.0 (3)	2.0 (2)
					(2)				
Level of imported	ortance scale: 1	= one case	e, 2 = more	than one	e case bi	ut less than te	en and 3 =	more than 1	0 cases
Beef		1.0(1)	1.0 (1)		2.0 (1)	2.0 (1)		2.0 (1)	
Dairy						1.0(1)		2.0 (1)	
Dan y					2.0	1.0 (1)		2.0 (1)	
Sheep					2.0 (1)	1.0 (1)		2.0 (1)	2.0 (1)
Goat		1.0(1)							2.0(1)
Gauteng		(-)							
	raal, Themba <i>l</i>	Animal Cli	nic						
Beef: 1, Goat									
Limpopo									
	rtemis Veterir	nary Servi	ces						
Beef: 1		_							
Calf with poly	arthritis								
Free State									
	Kroonstad Die	rehospita	al						
Beef: 2									
	gepoort Dierel	kliniek Ve	nnootskap						
Sheep: 2									
Kwazulu-Na									
	ergville Veteri	nary Clinic	C						
Beef: 2	m Camparda	un Vot CII	nia						
Camperdow Sheep: 1	n, Camperdov	vii vet Cili	IIC						
	dumeni Herd h	nealth							
Dunuee, En	uumem nera r	icaitii							

Dairy: 1											
Western Ca	•										
	y, Malmesbury	Dierehos	pitaal								
	y: 2, Sheep: 2										
Northern Ca		klimiak									
Sheep: 2, Go	Curuman Diere	Kiiniek									
Sneep. 2, 60	al. Z										
Lamenes	s/Foot Prob	lems							^		
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Average	2.3 (3)	2.0 (3)	1.0 (1)	2.2 (5)	2.0 (2)	1.8 (5)		2.4 (9)			
Level of impore	ortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than te	en and 3 =	more than 1	O cases		
Beef	2.5 (2)	2.0 (2)	1.0 (1)	2.3 (3)	2.0 (2)	1.7 (3)		2.5 (2)			
Dairy						2.0(1)		2.7 (3)			
Sheep	2.0(1)	2.0(1)		2.0(1)				2.3 (4)			
Goat		, , ,		2.0(1)		2.0(1)					
Mpumalang	ıa .			_,,			<u>.</u>				
	four Diereklini	iek									
Beef: 2											
Middelburg	, Middelburg [Dierehosp	itaal								
Beef: 3											
Piet Retief,	Pets Vet Hosp	ital									
Sheep: 2											
Gauteng											
	, Bapsfontein	Dierehos	pitaal								
Beef: 2, Shee			.•.								
Beef: 2	raal, Themba <i>A</i>	Animai Cii	nic								
Limpopo											
	Dr Henk Visse	r									
Beef: 1		-									
North West											
Christiana,	Christiana Die	rehospita	al								
Beef: 3											
	Klerksdorp Di	erehospit	aal								
	ep: 2, Goat: 2										
	p, Ventersdorp	Diereklin	iek								
Beef: 2											
Free State Ladybrand, Ladybrand											
Beef: 1	Lauybiailu										
	on, Viljoenskro	on Dierel	kliniek								
Beef: 3	,,										
Kwazulu-Na	atal										
	wick Veterinar	y Clinic									
Beef: 2, Dairy	y: 2										

Mtubatuba, Mtubatuba Animal Clinic

Goat: 2

Newcastle, Ncanduvet Newcastle

Beef: 1

Pietermaritzburg, Richmond Veterinary Clinic

Beef: 2

Western Cape

Darling, Tygerberg Dierehospitaal Darling

Dairy: 3

Malmesbury, Dr Otto Kriek

Dairy: 2

Malmesbury, Groenkloof Dierekliniek

Beef: 3

Foot rot, wet conditios

Sheep: 3

Foot rot, wet conditions

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3, Sheep: 2

Oudtshoorn, Oudtshoorn Dierekliniek

Sheep: 1

Wellington, Wellington Dierehospitaal

Sheep: 3 Foot rot

Lung infection											
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Average	2.4 (8)	1.8 (4)	1.3 (4)	2.5 (6)	2.4 (23)	2.2 (13)	2.0 (6)	2.0 (11)	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	2.4 (5)	2.0 (2)	1.3 (4)	2.6 (5)	2.6 (12)	2.4 (8)	2.0 (2)	2.0 (1)	3.0 (1)
Dairy					3.0 (1)	2.0 (1)		2.0 (6)	
Sheep	2.3 (3)			2.0 (1)	2.3 (9)	2.0 (2)	2.0 (3)	2.0 (4)	2.5 (2)
Goat		1.5 (2)			1.0 (1)	2.0 (2)	2.0 (1)		2.5 (2)

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 2, Sheep: 2

Bethal, Bethal Dierekliniek

Beef: 2, Sheep: 2

Grootvlei, Grootvlei Dierekliniek

Beef: 2

Middelburg, Middelburg Dierehospitaal

Beef: 3, Sheep: 3

Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 3 Gautena **Bronkhorstspruit, Kerkstraat Dierekliniek** Hammanskraal, Themba Animal Clinic Goat: 2 Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic Beef: 3, Goat: 1 Limpopo **Bela Bela, Artemis Veterinary Services** Beef: 1 Makhado, Blouberg Dierekliniek Beef: 2 Mokopane, Dr Henk Visser Beef: 1 Vaalwater, Vaalwater Dierespreekkamer Beef: 1 **North West** Christiana, Christiana Dierehospitaal Klerksdorp, Klerksdorp Dierehospitaal Beef: 2 Leeudoringstad, Leeudoringstad Dierekliniek Stella, Stella Dierekliniek Beef: 3 Ventersdorp, Ventersdorp Dierekliniek Beef: 2, Sheep: 2 **Free State Bloemfontein, Dr Stephan Wessels Bultfontein, Greylingsrust Dierespreekkamer** Sheep: 2 Clocolan, Clocolan Dierekliniek Beef: 2, Sheep: 3 Frankfort, Frankfort Dierekliniek Beef: 3, Dairy: 3, Sheep: 3 **Hoopstad, Hoopstad Dierekliniek** Beef: 3, Sheep: 3 Ladybrand, Ladybrand Beef: 3 **Memel, Memel Veterinary Clinic** Beef: 3 Parys, Parys Dierehospitaal Beef: 2, Sheep: 2 Reitz, Riemland Dierehospitaal Beef: 2, Sheep: 2 Senekal, Senekal Dierekliniek Beef: 2, Sheep: 2, Goat: 1 Viljoenskroon, Viljoenskroon Dierekliniek Beef: 3 Villiers, Wilgepoort Dierekliniek Vennootskap Beef: 2, Sheep: 2

Vrede, Vrede Dierehospitaal

Beef: 3, Sheep: 2

Pasteurellosis Kwazulu-Natal Bergville, Bergville Veterinary Clinic Beef: 2 Bergville, Tugela Vet Clinic Beef: 2, Sheep: 2, Goat: 2 **Dundee, Endumeni Herd health** Beef: 2, Dairy: 2 Mtubatuba, Mtubatuba Animal Clinic Beef: 2, Goat: 2 **Newcastle, Ncanduvet Newcastle** Beef: 3 Pietermaritzburg, Richmond Veterinary Clinic Beef: 2, Sheep: 2 **Ulundi, Dr Annelle Duvel CCS Vet** Beef: 3 **Underberg, Underberg Veterinary Surgery** Beef: 3 Winter - seasonal **Eastern Cape** Aliwal North, Hertzogbrug Dierekliniek Beef: 2, Sheep: 2 **Cradock, Cradock Veterinary Clinic** Sheep: 3 Foreign body pneumonia after dosing anthelmintic into lungs Goat: 2 Angora kids (bontlong) Queenstown, Queenstown Provincial Vet Lab **Witelsbos, Witelsbos Veterinary Consulting Rooms** Beef: 2 **Western Cape Beaufort West, Beaufort Dierekliniek Beaufort West, Beaufort West State Vet** Sheep: 1 Pasteurella confirmed **Darling, Tygerberg Dierehospitaal Darling** Malmesbury, Dr Otto Kriek Dairy: 1 Malmesbury, Groenkloof Dierekliniek Three cows died, forieign body pneumonia. Heavy pregnant animals, cold conditons Malmesbury, Invitrotech Dairy: 1 Malmesbury, Malmesbury Dierehospitaal Beef: 2, Dairy: 3, Sheep: 2 Riversdale, Riversdal Dierekliniek Dairy: 2 Worcester, Durban Straat Dierekliniek Worcester

Northern Cape Kimberley, Kimberley Dierekliniek

Beef: 3

Sheep: 2

	tty noses in wea								
	tate Vet Kurur	man							
Goat: 3	D	Dia							
Sheep: 2, Go	rg, Postmasbu	rg Diereki	iniek						
	at. 2 Ipington Veter	inary Clin	ir						
Sheep: 3	pington veter	mary Cim							
	in lambs in Ken	hardt							
Mastitis i	n general								^
				North	Free	Kwazulu-	Eastern	Western	Northern
PROVINCE	Mpumalanga	Gauteng	Limpopo	West	State		Cape	Cape	Cape
Average	1.0 (2)	1.0 (3)		1.0 (2)	2.0 (3)	2.3 (4)		2.7 (6)	
	ortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than te	en and 3 =	more than 1	0 cases
reported									
Beef	1.0 (2)	1.0(1)		1.0 (1)	2.0 (2)	2.0 (2)		2.0 (1)	
Dairy		1.0(1)			2.0 (1)	3.0 (1)		3.0 (4)	
Sheep				1.0(1)				2.0 (1)	
Goat		1.0(1)		1.0 (1)		2.0(1)		2.0 (1)	
Mpumalang	_	1.0 (1)				2.0 (1)			
	a four Diereklini	iek							
Beef: 1	Tour Dicionin	ICK							
	Longtom Dier	ekliniek							
Beef: 1									
Gauteng									
Bapsfontein	, Bapsfontein	Dierehos	oitaal						
Dairy: 1									
	raal, Themba A	Animal Cli	nic						
Beef: 1, Goat									
North West	Christiana Die	vohoonito	_ I						
Sheep: 1	Cilistialia Die	renospita	a I						
	o, Ventersdorp	Diereklin	iek						
Beef: 1	o, venecioaorp	DICI CIXIII	IICK						
Free State									
Bloemfonte	in, Dr Stephan	Wessels							
Beef: 2									
Clocolan, Cl	ocolan Dierekl	liniek							
Dairy: 2									
	s Dierehospita	al							
Beef: 2									
Kwazulu-Na		ar Climin							
Dairy: 3	wick Veterinar	y Clinic							
	Mtubatuba Ar	nimal Clin	ic						
Reef. 2	. Itabataba Al	ai Ciill							

Beef: 2

Illundi Dr A	nnelle Duvel (CS Vet							
Beef: 2, Goat		CCS VCL							
Western Ca									
	erberg Veterii	narv Hosp	ital						
Beef: 2		,оор							
	jerberg Diereh	ospitaal [Darling						
Dairy: 3		•							
	, Dr Otto Krie	k							
Dairy: 3									
	,, Malmesbury	Dierehos	pitaal						
Dairy: 3, She									
	ı, Swellendam	Dierehos	pitaal						
Dairy: 3									
Navel III									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)	1.0 (1)		1.0 (1)			1.0 (1)	1.0 (1)	
Level of impore	ortance scale: 1	= one case	e, 2 = more	than one	e case bu	ut less than te	en and 3 =	more than 1	0 cases
Beef	1.0(1)	1.0(1)		1.0(1)				_	
Dairy								1.0(1)	
Sheep							1.0(1)		
Mpumalang							1.0 (1)		
	a four Diereklini	iek							
Beef: 1	ioui Dicioniii	ICK							
Gauteng									
Hammanski	raal, Themba A	Animal Cli	nic						
Beef: 1									
North West									
	o, Ventersdorp	Diereklin	iek						
Beef: 1									
Eastern Cap									
	n, Queenstowi	n Provinci	al Vet Lab						
Sheep: 1									
Western Ca		h Animal	Uoonital						
Dairy: 1	h, Stellenbosc	II Allilliai	поѕрітаі						
Red gut (Sheep)								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.0 (1)	2.0 (1)			2.0 (1)
Level of impore	ortance scale: 1	= one case	e, 2 = more	than one	e case bu	ut less than te	en and 3 =	more than 1	0 cases

Sheep					2.0 (1)	2.0 (1)			2.0 (1)
Free State									
Villiers, Wil	gepoort Dierel	kliniek Ve	nnootskap						
Sheep: 2									
Kwazulu-Na									
	dumeni Herd l	nealth							
Sheep: 2									
Northern Ca									
	Curuman Diere	kliniek							
Sheep: 2									
Trauma									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (3)	2.0 (2)			1.0 (1)	2.0 (2)	1.0 (1)		
Level of impore	ortance scale: 1	= one case	e, 2 = more	than one	e case bu	ut less than te	en and 3 =	more than 1	0 cases
Beef		2.0 (2)				2.0 (1)			
Sheep	1.5 (2)				1.0 (1)		1.0 (1)		
Goat	3.0 (1)					2.0 (1)			
Mpumalang									
	regloed Veteri	nere Spre	ekkamer						
Sheep: 2, Go			•						
	Lydenburg Di	erespreek	kamer						
Sheep: 1 Gauteng									
	raal, Themba A	Animal Cli	nic						
Beef: 1	iaai, ilieliiba A	Allilliai Cil	IIIC						
	nderstepoort A	cademic I	locnital ar	nd Drodi	iction A	nimal Clinic			
Beef: 3	ideistepoort A	cademic	iospitai ai	ia riout	action A	illillai Cillic			
Fractures									
Free State									
	n, Wesselsbro	n Dierekli	niek						
Sheep: 1									
Kwazulu-Na	atal								
Ulundi, Dr A	Annelle Duvel (CCS Vet							
Beef: 2, Goat	:: 2								
Eastern Cap									
Queenstow Sheep: 1	n, Queenstowi	n Provinci	al Vet Lab						
Downer									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape

							_		
					1.8				
Average	1.0(2)	1.0(2)			(6)	2.0(1)		2.0(2)	2.0(1)
					(0)				
Level of impo	ortance scale: 1	= one case	2 = more	than one	e case hi	it less than te	n and 3 = 1	more than 1	n cases
reported	ortance scale. 1	- one case	, 2 – 111010	. criari oric	c case be	ic iess triair te	in unu 5 – i	more than I	o cases
					1.0				
Beef	1.0(2)	1.0(1)			1.8	2.0(1)			2.0(1)
	11 ()	11 ()			(4)	,			
Daim					1.0			2.0.(2)	
Dairy					(1)			2.0 (2)	
					3.0				
Sheep		1.0 (1)			(1)				
Na	_								
Mpumalang		lelimiale							
Beef: 1	irootvlei Diere	Kiiniek							
	Cape Cross Vol	kernet Dia	rohosnita	 al					
Beef: 1	ape cross voi	KSI USL DIC	enospita	aı					
Gauteng									
	, Bapsfontein	Dierehosn	itaal						
Beef: 1, Shee	•	Б ісі спозр	rtuur						
Free State	.p. <u> </u>								
	rankfort Diere	kliniek							
Beef: 3, Shee		,							
	Kroonstad Die	rehospitaa							
Beef: 2									
Ladybrand,	Ladybrand								
Dairy: 1									
•	land Dierehos	pitaal							
Beef: 1									
Wesselsbro	n, Wesselsbro	n Diereklir	niek						
Beef: 1	•								
Kwazulu-Na	atal								
Ulundi, Dr A	Annelle Duvel (CCS Vet							
Beef: 2									
Western Ca	pe								
Malmesbury	y, Groenkloof I	Diereklinie	k						
Dairy: 2									
Swellendan	ո, Swellendam	Dierehos	oitaal						
Dairy: 2									
Northern Ca	-								
	tate Vet Kurui	man							
Beef: 2									
Traumati	c Reticulo-p	pericardi	tis						^
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	, 2 = more	than one	e case bu	ıt less than te	en and 3 =	more than 10	0 cases

reported

Dairy								1.0(1)	
Mpumalang	ıa .							1.0 (1)	
	Lydenburg Die	eresnreek	kamer						
Beef: 1	Lyacinbary Div	ci copi cek	Kumer						
Western Ca	pe								
	erberg Diereh	ospitaal [Darling						
Dairy: 1		•							
Other									
				A1		17 - 1	.		
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
				WEST	State	Italai	Cape	Cape	Cape
					1.0				
Average		1.0(1)	3.0(1)	3.0(1)			1.0(1)		
					(1)				
Lovel of imm	artanas saslas 1		2	than an	b	.+ loog than t			0
reported	ortance scale: 1	- one case	e, z = more	ulan one	case Di	ut iess triair te	en and 3 =	more than I	u cases
		4 8 444							
Beef		1.0 (1)	3.0 (1)						
Dairy				3.0(1)					
					1.0				
Sheep					(1)		1.0(1)		
Gauteng Protoria O	dorstopoort A	cadomic I	Josnital au	nd Brodi	ıction /	nimal Clinia			
Pretoria, Oı	nderstepoort A	.cademic I	Hospital aı	nd Prod	uction A	Animal Clinio	3		
Pretoria, O i Beef: 1	nderstepoort A	cademic I	Hospital aı	nd Prodi	uction A	Animal Clinic	3		
Pretoria, Or Beef: 1 Cellulitis	nderstepoort A	cademic I	Hospital aı	nd Produ	uction A	Animal Clinio	2		
Pretoria, Or Beef: 1 Cellulitis Limpopo	_		Hospital aı	nd Produ	uction A	Animal Clinio			
Pretoria, Or Beef: 1 Cellulitis Limpopo Tzaneen, Za	nderstepoort A		lospital a	nd Produ	uction A	Animal Clinio	2		
Pretoria, Or Beef: 1 Cellulitis Limpopo Tzaneen, Zz Beef: 3 Middle ear in	22 Farm Practi on (Hangko	ce			action A	Animal Clinio	3		
Pretoria, Or Beef: 1 Cellulitis Limpopo Tzaneen, Za Beef: 3 Middle ear in North West	22 Farm Practi on (Hangko	ce p) promine	nt in Pinzga	uer Stud	uction A	Animal Clinic			
Pretoria, Or Beef: 1 Cellulitis Limpopo Tzaneen, Zz Beef: 3 Middle ear in North West Leeudoring	22 Farm Practi on (Hangko	ce p) promine	nt in Pinzga	uer Stud	uction A	Animal Clinic			
Pretoria, Or Beef: 1 Cellulitis Limpopo Tzaneen, Zz Beef: 3 Middle ear in North West Leeudoring Dairy: 3	22 Farm Practi fection (Hangko stad, Leeudori	ce p) promine ngstad Di	nt in Pinzga erekliniek	uer Stud					
Pretoria, Or Beef: 1 Cellulitis Limpopo Tzaneen, Za Beef: 3 Middle ear in North West Leeudoring Dairy: 3 20 cows died	22 Farm Practi on (Hangko	ce p) promine ngstad Di	nt in Pinzga erekliniek	uer Stud				tion, anaemi	ic
Pretoria, Or Beef: 1 Cellulitis Limpopo Tzaneen, Za Beef: 3 Middle ear in North West Leeudoring Dairy: 3 20 cows died Free State	22 Farm Practi fection (Hangkolostad, Leeudori , multi-factorial,	ce p) promine ngstad Di fatty livers	nt in Pinzga erekliniek , depleted t	uer Stud				tion, anaemi	ic
Pretoria, Or Beef: 1 Cellulitis Limpopo Tzaneen, Zz Beef: 3 Middle ear in North West Leeudoring Dairy: 3 20 cows died Free State Bultfontein	22 Farm Practi fection (Hangko stad, Leeudori	ce p) promine ngstad Di fatty livers	nt in Pinzga erekliniek , depleted t	uer Stud				tion, anaemi	ic
Pretoria, Or Beef: 1 Cellulitis Limpopo Tzaneen, Zz Beef: 3 Middle ear in North West Leeudoring Dairy: 3 20 cows died Free State Bultfontein Sheep: 1	Z2 Farm Praction (Hangkonstad, Leeudoring, multi-factorial,	ce p) promine ngstad Di fatty livers	nt in Pinzga erekliniek , depleted t	uer Stud				tion, anaemi	ic
Pretoria, Or Beef: 1 Cellulitis Limpopo Tzaneen, Zz Beef: 3 Middle ear in North West Leeudoring Dairy: 3 20 cows died Free State Bultfontein Sheep: 1 Early born lar	Z2 Farm Praction (Hangkonstad, Leeudoring, multi-factorial, Greylingsrust	ce p) promine ngstad Di fatty livers	nt in Pinzga erekliniek , depleted t	uer Stud				tion, anaemi	ic
Pretoria, Or Beef: 1 Cellulitis Limpopo Tzaneen, Zz Beef: 3 Middle ear in North West Leeudoring Dairy: 3 20 cows died Free State Bultfontein Sheep: 1 Early born lar	Z2 Farm Praction (Hangkon Stad, Leeudorin, multi-factorial, Greylingsrustes)	ce p) promine ngstad Di fatty livers Dierespre	nt in Pinzga erekliniek , depleted t eekkamer	uer Stud				tion, anaemi	iC
Pretoria, Or Beef: 1 Cellulitis Limpopo Tzaneen, Zz Beef: 3 Middle ear in North West Leeudoring Dairy: 3 20 cows died Free State Bultfontein Sheep: 1 Early born lar Eastern Cap Queenstow	Z2 Farm Praction (Hangkonstad, Leeudoring, multi-factorial, Greylingsrust	ce p) promine ngstad Di fatty livers Dierespre	nt in Pinzga erekliniek , depleted t eekkamer	uer Stud				tion, anaemi	iC
Pretoria, Or Beef: 1 Cellulitis Limpopo Tzaneen, Zz Beef: 3 Middle ear in North West Leeudoring Dairy: 3 20 cows died Free State Bultfontein Sheep: 1 Early born lar Eastern Cap Queenstow Sheep: 1	Z2 Farm Praction (Hangkonstad, Leeudorin, multi-factorial, Greylingsrusted mbs de n, Queenstown	ce p) promine ngstad Di fatty livers Dierespre	nt in Pinzga erekliniek , depleted t eekkamer	uer Stud				tion, anaemi	ic
Pretoria, Or Beef: 1 Cellulitis Limpopo Tzaneen, Zz Beef: 3 Middle ear in North West Leeudoring Dairy: 3 20 cows died Free State Bultfontein Sheep: 1 Early born lat Eastern Cap Queenstow Sheep: 1 One anasarca	Z2 Farm Praction (Hangkopstad, Leeudorial, multi-factorial, Greylingsrustes) mbs pe n, Queenstown a fetus	ce p) promine ngstad Di fatty livers Dierespre	nt in Pinzga erekliniek , depleted t eekkamer	uer Stud				tion, anaemi	ic C
Pretoria, Or Beef: 1 Cellulitis Limpopo Tzaneen, Zz Beef: 3 Middle ear in North West Leeudoring Dairy: 3 20 cows died Free State Bultfontein Sheep: 1 Early born lat Eastern Cap Queenstow Sheep: 1 One anasarca	Z2 Farm Praction (Hangkonstad, Leeudorin, multi-factorial, Greylingsrusted mbs de n, Queenstown	ce p) promine ngstad Di fatty livers Dierespre	nt in Pinzga erekliniek , depleted t eekkamer	uer Stud				tion, anaemi	iC C
Pretoria, Or Beef: 1 Cellulitis Limpopo Tzaneen, Zz Beef: 3 Middle ear in North West Leeudoring Dairy: 3 20 cows died Free State Bultfontein Sheep: 1 Early born lar Eastern Cap Queenstow Sheep: 1 One anasarca	Z2 Farm Praction (Hangkopstad, Leeudorial, multi-factorial, Greylingsrustes) mbs pe n, Queenstown a fetus	ce p) promine ngstad Di fatty livers Dierespre	nt in Pinzga erekliniek , depleted t eekkamer	uer Stud				tion, anaemi	
Pretoria, Or Beef: 1 Cellulitis Limpopo Tzaneen, Zz Beef: 3 Middle ear in North West Leeudoring Dairy: 3 20 cows died Free State Bultfontein Sheep: 1 Early born lat Eastern Cap Queenstow Sheep: 1 One anasarca	Z2 Farm Praction (Hangkopstad, Leeudorial, multi-factorial, Greylingsrustes) mbs pe n, Queenstown a fetus	ce p) promine ngstad Di fatty livers Dierespre	nt in Pinzga erekliniek , depleted t eekkamer	uer Stud				tion, anaemi	ic
Pretoria, Or Beef: 1 Cellulitis Limpopo Tzaneen, Zz Beef: 3 Middle ear in North West Leeudoring Dairy: 3 20 cows died Free State Bultfontein Sheep: 1 Early born lar Eastern Cap Queenstow Sheep: 1 One anasarca	Z2 Farm Praction (Hangkopstad, Leeudorial, multi-factorial, Greylingsrustes) mbs pe n, Queenstown a fetus	ce p) promine ngstad Di fatty livers Dierespre	nt in Pinzga erekliniek , depleted t eekkamer	uer Stud	eral leve			tion, anaemi	

				_					
	0.0 (5)	1.0 (1)	1.0 (1)		2.0	1.0 (1)	2.0.(1)	2.0.(5)	1.5 (0)
Average	2.2 (5)	1.0(1)	1.0 (1)		(12)	1.0(1)	3.0 (1)	2.0 (5)	1.5 (2)
					` /				
	ortance scale: 1	= one case	, 2 = more	than one	case bu	t less than te	n = n = n	nore than 10) cases
reported									
Doof	2.5.(2)		1.0 (1)		2.2			2.0 (1)	2.0 (1)
Beef	2.5 (2)		1.0 (1)		(5)			2.0 (1)	2.0 (1)
Dairy								2.0 (2)	
	(-)				1.9		- a (1)	(-)	
Sheep	2.0 (3)	1.0 (1)			(7)	1.0 (1)	3.0 (1)	2.0 (2)	1.0 (1)
Mpumalang				_	· /				
	Longtom Dier	ekliniek							
Sheep: 2									
	lelspruit Anim	al Hospita							
Beef: 2									
Piet Retief,	Pets Vet Hosp	ital							
Sheep: 2									
Standerton,									
Beef: 3, Shee	ep: 2								
Gauteng									
	nderstepoort A	cademic F	iospitai ai	nd Produc	tion A	nimai Clinic			
Sheep: 1									
Limpopo	Pietersburg V	/otorinary	Clinic						
Beef: 1	Pietersburg v	etermary	Cillic						
Free State									
	, Greylingsrust	Dierespre	ekkamer						
Sheep: 2	,,	ICI CS p. (
	rankfort Diere	kliniek							
Beef: 3, Shee									
Hertzogville	e, Hertzogville	Diereklini	ek						
Sheep: 2									
	loopstad Dier	ekliniek							
Beef: 3									
	Kroonstad Die	rehospita	al						
Sheep: 2	D		·						
	Rowelsfonteir	i veearts S	ргееккап	ier					
Sheep: 2	land Dierehos	nitaal							
Beef: 1	iana Dierenos	pitaal							
	nekal Dierekli	niek							
Beef: 1, Shee									
	on, Viljoenskr	oon Dierek	liniek						
Beef: 3									
Wesselsbro	n, Wesselsbro	n Diereklii	niek						
Sheep: 1									
Kwazulu-Na									
	n, Camperdov	vn Vet Clir	nic						
Sheep: 1									
Eastern Cap		O							
	adock Veterin	ary Clinic							
Sheep: 3									

Secondary ke	tosis in pregnan	it ees								
Western Cape Heidelberg (WC), Heidelberg Dierekliniek										
	(WC), Heidelb	erg Dierel	kliniek							
Dairy: 1	. Malmaada	Diawahaa	!I							
	/, Malmesbury /: 3, Sheep: 2	Dierenos	рісааі							
	Riversdal Dier	akliniak								
Sheep: 2	Kivei Suai Diei	CKIIIICK								
Northern Ca	ne									
	Kimberley Die	rekliniek								
Beef: 2, Shee										
Displaced abomasum										
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)	1.0 (1)		
Level of imported	ortance scale: 1	= one case	e, 2 = more	than one	e case bu	ut less than te	en and 3 =	more than 1	0 cases	
Dairy		1.0(1)				2.5 (2)	1.0(1)	1.0(1)		
Gauteng										
Hammanski	raal, Themba <i>l</i>	Animal Cli	nic							
Dairy: 1										
Kwazulu-Na										
	dumeni Herd h	nealth								
	wick Veterinar	y Clinic								
Dairy: 3										
Eastern Cap										
	Alexandria Pla	atteland S	preekkam	er						
Dairy: 1 Western Ca										
	pe Bay, Plettenb	ora Pov A	Doit-							
Dairy: 1	bay, Piettelib	eig bay A	Keitz							
One dairy cov	w, right sided pir as a result of tre		sopy yielded	l gas fille	d caecur	m which was l	olown dowr	n. Cow recov	ered despit	
Ketosis									_	
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 (3)	1.0 (1)		2.5 (2)		
Level of imported	ortance scale: 1	= one case	e, 2 = more	than one	e case bu	ut less than te	n and 3 =	more than 1	0 cases	
Sheep		2.0 (1)		2.0 (1)	3.0 (3)			2.5 (2)		
Goat					- (3)	1.0 (1)				
						1.0 (1)	<u>.</u>			

_												
Gauteng												
	n, Bapsfontein	Dierehosp	oitaal									
Sheep: 2												
North West												
Brits, Brits	Dierekliniek											
Sheep: 2												
Free State												
Frankfort, F	rankfort Diere	ekliniek										
Sheep: 3												
Hoopstad, H	loopstad Diere	ekliniek										
Sheep: 3												
Villiers, Wilgepoort Dierekliniek Vennootskap												
Sheep: 3												
Sheep: 3 Kwazulu-Natal												
Ulundi, Dr A	Annelle Duvel (CCS Vet										
Goat: 1												
Western Ca	pe											
	verberg Veterii	narv Hospi	ital									
Sheep: 2		, , , , , ,										
	h, Stellenbosc	h Animal I	Hospital									
Sheep: 3	,											
опсерт 5												
Milk Feve	er								^			
				1								
PROVINCE	Mpumalanga	Gautena	Limnono	North	Free	Kwazulu-	Eastern	Western	Northern			
PROVINCE	inpullialaliga	Gauteng	Lillipopo	West	State	Natal	Cape	Cape	Cape			
	(-)	2 2 (1)			1.6	(4)	4.0 (4)					
Average	2.0 (2)	3.0 (1)			(5)	3.0 (1)	1.0 (1)	1.6 (5)				
					(3)							
					(-)							
Lovel of impe	ortanco ccalo: 1	- one case	2 - moro	than on		it loss than to	on and 2 = 1	more than 1	0 cases			
	ortance scale: 1	= one case	e, 2 = more	than one		ut less than to	en and 3 = 1	more than 1	0 cases			
Level of impore	ortance scale: 1	= one case	e, 2 = more	than one		ıt less than te	en and 3 = 1	more than 1	0 cases			
reported		= one case	e, 2 = more	than one		ut less than to	en and 3 = 1		0 cases			
	ortance scale: 1	= one case	e, 2 = more	than one	e case bu	ut less than to	en and 3 = 1	1.0 (1)	0 cases			
reported		= one case	e, 2 = more	than one	1.0 (1)	ut less than te	en and 3 = 1		0 cases			
reported Beef			e, 2 = more	than one	1.0 (1) 1.5			1.0 (1)	0 cases			
reported		= one case	e, 2 = more	than one	1.0 (1)	ut less than to	en and 3 = 1	1.0 (1)	0 cases			
reported Beef			e, 2 = more	than one	1.0 (1) 1.5 (2)			1.0 (1)	0 cases			
reported Beef			e, 2 = more	than one	1.0 (1) 1.5 (2) 2.0			1.0 (1)	0 cases			
Reef Dairy	1.0 (1)		e, 2 = more	than one	1.0 (1) 1.5 (2)			1.0 (1)	0 cases			
Reef Dairy	1.0 (1) 3.0 (1)		e, 2 = more	than one	1.0 (1) 1.5 (2) 2.0			1.0 (1)	0 cases			
reported Beef Dairy Sheep Mpumalang	1.0 (1) 3.0 (1)	3.0 (1)	e, 2 = more	than one	1.0 (1) 1.5 (2) 2.0			1.0 (1)	0 cases			
reported Beef Dairy Sheep Mpumalang	1.0 (1) 3.0 (1)	3.0 (1)	e, 2 = more	than one	1.0 (1) 1.5 (2) 2.0			1.0 (1)	0 cases			
Reef Dairy Sheep Mpumalang Grootvlei, G Beef: 1	1.0 (1) 3.0 (1)	3.0 (1) kliniek			1.0 (1) 1.5 (2) 2.0			1.0 (1)	0 cases			
Reef Dairy Sheep Mpumalang Grootvlei, G Beef: 1	1.0 (1) 3.0 (1) Ja Grootvlei Diere	3.0 (1) kliniek			1.0 (1) 1.5 (2) 2.0			1.0 (1)	0 cases			
Preported Beef Dairy Sheep Mpumalang Grootvlei, G Beef: 1 Volksrust, C	1.0 (1) 3.0 (1) Ja Grootvlei Diere	3.0 (1) kliniek			1.0 (1) 1.5 (2) 2.0			1.0 (1)	0 cases			
reported Beef Dairy Sheep Mpumalang Grootvlei, G Beef: 1 Volksrust, C Sheep: 3 Gauteng	1.0 (1) 3.0 (1) Ja Grootvlei Diere	3.0 (1) kliniek ksrust Die	rehospita		1.0 (1) 1.5 (2) 2.0			1.0 (1)	0 cases			
reported Beef Dairy Sheep Mpumalang Grootvlei, G Beef: 1 Volksrust, C Sheep: 3 Gauteng	3.0 (1) Ja Grootvlei Diere Cape Cross Vol	3.0 (1) kliniek ksrust Die	rehospita		1.0 (1) 1.5 (2) 2.0			1.0 (1)	0 cases			
Reef Dairy Sheep Mpumalang Grootvlei, G Beef: 1 Volksrust, C Sheep: 3 Gauteng Bronkhorsts	3.0 (1) Ja Grootvlei Diere Cape Cross Vol	3.0 (1) kliniek ksrust Die	rehospita		1.0 (1) 1.5 (2) 2.0			1.0 (1)	0 cases			
Reef Dairy Sheep Mpumalang Grootvlei, G Beef: 1 Volksrust, C Sheep: 3 Gauteng Bronkhorsts Dairy: 3 Free State	1.0 (1) 3.0 (1) Ja Grootvlei Diere Cape Cross Vol	3.0 (1) kliniek ksrust Die	rehospita		1.0 (1) 1.5 (2) 2.0			1.0 (1)	0 cases			
Beef Dairy Sheep Mpumalang Grootvlei, G Beef: 1 Volksrust, C Sheep: 3 Gauteng Bronkhorsts Dairy: 3 Free State Ficksburg, C	3.0 (1) Ja Grootvlei Diere Cape Cross Vol	3.0 (1) kliniek ksrust Die	rehospita		1.0 (1) 1.5 (2) 2.0			1.0 (1)	0 cases			
Reef Dairy Sheep Mpumalang Grootvlei, G Beef: 1 Volksrust, C Sheep: 3 Gauteng Bronkhorsts Dairy: 3 Free State Ficksburg, C Dairy: 2	3.0 (1) 3.0 (1) 3.0 Cape Cross Volume Spruit, Kerkstr Dosvrystaat Di	3.0 (1) kliniek ksrust Die aat Dierek	rehospita		1.0 (1) 1.5 (2) 2.0			1.0 (1)	0 cases			
Reef Dairy Sheep Mpumalang Grootvlei, G Beef: 1 Volksrust, C Sheep: 3 Gauteng Bronkhorsts Dairy: 3 Free State Ficksburg, C Dairy: 2 Frankfort, F	1.0 (1) 3.0 (1) Ja Grootvlei Diere Cape Cross Vol	3.0 (1) kliniek ksrust Die aat Dierek	rehospita		1.0 (1) 1.5 (2) 2.0			1.0 (1)	0 cases			
Reef Dairy Sheep Mpumalang Grootvlei, Geef: 1 Volksrust, Ceep: 3 Gauteng Bronkhorsts Dairy: 3 Free State Ficksburg, Ceeping Dairy: 2 Frankfort, Feep: 3	1.0 (1) 3.0 (1) 3.0 (1) 3.0 (2) 3.0 (3) 3.0 (1) 3.0 (1) 5.0 (1) 5.0 (1) 5.0 (1) 6.0	3.0 (1) kliniek ksrust Dierek aat Dierek ere Produ	rehospita		1.0 (1) 1.5 (2) 2.0			1.0 (1)	0 cases			
Reef Dairy Sheep Mpumalang Grootvlei, Geef: 1 Volksrust, Ceep: 3 Gauteng Bronkhorsts Dairy: 3 Free State Ficksburg, Ceeping Dairy: 2 Frankfort, Feep: 3	3.0 (1) 3.0 (1) 3.0 Cape Cross Volume Spruit, Kerkstr Dosvrystaat Di	3.0 (1) kliniek ksrust Dierek aat Dierek ere Produ	rehospita		1.0 (1) 1.5 (2) 2.0			1.0 (1)	0 cases			

Ladybrand, Ladybrand Dairy: 1, Sheep: 1 Kwazulu-Natal **Howick, Howick Veterinary Clinic** Dairy: 3 **Eastern Cape** Somerset East, Bosberg Veterinary Clinic Dairy: 1 Pre-calving hypocalcaemia in dry cow, subsequent to change in diet **Western Cape** Heidelberg (WC), Heidelberg Dierekliniek Dairy: 2, Sheep: 2 Riversdale, Riversdal Dierekliniek Stellenbosch, Stellenbosch Animal Hospital Beef: 1 Swellendam, Swellendam Dierehospitaal Dairy: 1 Reproductive diseases **Dystocia (Difficult Births)** Kwazulu-Eastern Western Northern North Free **PROVINCE Mpumalanga Gauteng Limpopo** West State Natal Cape Cape Cape 1.8 (10) 1.9 (7) 1.0(5)2.2(5)1.9 (10) 1.7(3)1.9 (9) 1.9 (8) **Average** Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported 1.9 Beef 2.2 (6) 1.8(4)1.0(3) 2.3(4)2.0 (6) 1.7 (3) 2.0(4)(15)1.5 1.7 (3) 2.0(4)**Dairy** 1.5 (2) (2) 1.7 Sheep 1.3 (4) 2.0(3)1.0(1) 2.0(1)2.0(1)2.0(1)2.0(2)2.0(3)Goat 1.0(1)1.0(1)**Mpumalanga Balfour, Balfour Dierekliniek** Beef: 2, Sheep: 2 **Bethal, Bethal Dierekliniek** Beef: 2, Sheep: 1 Grootvlei, Grootvlei Dierekliniek Lydenburg, Lydenburg Dierespreekkamer Beef: 2, Sheep: 1 Middelburg, Middelburg Dierehospitaal Beef: 3

Nelspruit, Nelspruit Animal Hospital

Volksrust, Cape Cross Volksrust Dierehospitaal

Sheep: 1

Beef: 2 Gautena **Bapsfontein, Bapsfontein Dierehospitaal** Beef: 2, Sheep: 2 **Bronkhorstspruit, Kerkstraat Dierekliniek** Beef: 2, Sheep: 2 Hammanskraal, Themba Animal Clinic Beef: 1, Sheep: 2 Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic Beef: 2 Limpopo **Bela Bela, Artemis Veterinary Services** Mokopane, Dr Henk Visser Beef: 1 Polokwane, Pietersburg Veterinary Clinic Beef: 1, Sheep: 1, Goat: 1 **North West** Christiana, Christiana Dierehospitaal Beef: 3 Klerksdorp, Klerksdorp Dierehospitaal Beef: 2 Leeudoringstad, Leeudoringstad Dierekliniek Ventersdorp, Ventersdorp Dierekliniek Beef: 2, Sheep: 2 **Free State Bloemfontein, Dr Stephan Wessels Bultfontein, Greylingsrust Dierespreekkamer** Beef: 1, Sheep: 2 Clocolan, Clocolan Dierekliniek Beef: 2 Ficksburg, Oosvrystaat Diere Produkte Beef: 3, Sheep: 1 Frankfort, Frankfort Dierekliniek Beef: 3, Sheep: 3 Hertzogville, Hertzogville Dierekliniek Beef: 2, Dairy: 1 **Hoopstad, Hoopstad Dierekliniek** Beef: 1, Sheep: 3 Kroonstad, Kroonstad Dierehospitaal Beef: 2, Dairy: 2 Ladybrand, Ladybrand Beef: 1, Sheep: 1 **Memel, Memel Veterinary Clinic** Beef: 1 Parys, Parys Dierehospitaal Philippolis, Rowelsfontein veearts Spreekkamer Sheep: 1 **Reitz, Riemland Dierehospitaal** Beef: 3

Senekal, Senekal Dierekliniek

Beef: 2

Viljoenskroon, Viljoenskroon Dierekliniek Beef: 2 Vrede, Vrede Dierehospitaal Beef: 2, Sheep: 1 Kwazulu-Natal **Bergville, Bergville Veterinary Clinic** Beef: 2 **Dundee, Endumeni Herd health** Beef: 1, Dairy: 2 **Estcourt, Estcourt Vet Clinic** Dairy: 1 **Howick, Howick Veterinary Clinic** Beef: 3, Dairy: 2 **Newcastle, Ncanduvet Newcastle** Beef: 2 Pietermaritzburg, Richmond Veterinary Clinic Beef: 2 **Underberg, Underberg Veterinary Surgery** Beef: 2 First calvers Sheep: 2 **Eastern Cape** Alexandria, Alexandria Platteland Spreekkamer Cofimvaba, State Vet Cofimvaba Sheep: 2 **Humansdorp, Humansdorp Veterinary Clinic** Dairy: 2 **Western Cape** Caledon, Overberg Veterinary Hospital **Ceres, Ceres Veterinary Hospital** Beef: 2 One case, cow with a twisted cervix **Darling, Tygerberg Dierehospitaal Darling** Dairy: 2 Malmesbury, Dr Otto Kriek Dairy: 2 Riversdale, Riversdal Dierekliniek Dairy: 2, Sheep: 2 Stellenbosch, Stellenbosch Animal Hospital Beef: 2 Swellendam, Swellendam Dierehospitaal **Worcester, Durban Straat Dierekliniek Worcester** Beef: 1 **Northern Cape** Kathu, Kathu Dierekliniek Kuruman, Kuruman Dierekliniek Beef: 2, Sheep: 2 Kuruman, State Vet Kuruman Beef: 2, Sheep: 2 Postmasburg, Postmasburg Dierekliniek

Beef: 2, Sheep: 2, Goat: 1

Endomet	ritis								_		
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
2.0 (1) 3.0 (1) 2.5 (2)											
Level of imported	ortance scale: 1	= one case	e, 2 = more	than one	case bu	ut less than te	en and 3 =	more than 1	0 cases		
Dairy					2.0 (1)	3.0 (1)	3.0 (1)	2.5 (2)			
Free State											
Kroonstad,	Kroonstad Die	rehospita	al								
Dairy: 2											
Kwazulu-Na											
	wick Veterinar	y Clinic									
Dairy: 3											
Eastern Cap											
	ast, Bosberg V	eterinary	Clinic								
Dairy: 3		. di	ما اماما	ما سنام	ممانين امم	بالمسمط بالمامات	dalta in the	. 21 20 days			
oeriod	rate endometriti	s diagnose	u III large ud	ally nerus	s during	weekiy neru	visits, iii tiie	: 21-20 uay	Jost partum		
Western Ca	ne										
	(WC), Heidelb	era Dierel	kliniek								
Dairy: 2	(),	y									
	, Swellendam	Dierehos	pitaal								
Dairy: 3											
Metritis											
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)	1.7 (3)	3.0 (1)	2.5 (2)	2.0 (4)	2.0 (1)		
Level of imported	ortance scale: 1	= one case	e, 2 = more	than one	case bu	ut less than te	en and 3 =	more than 1	0 cases		
Beef	1.0 (2)	1.0(1)		1.0 (1)	2.0 (1)				2.0 (1)		
Dairy					1.5 (2)	3.0 (1)	2.5 (2)	2.0 (3)			

2.0 (1)

Mpumalanga Balfour, Balfour Dierekliniek

Goat

Lydenburg, Lydenburg Dierespreekkamer Beef: 1

Gauteng

U a mara maler	and Thombs /	animal Clini							
	raal, Themba A	Animai Ciini	C						
Beef: 1									
North West		Diamaldinia							
-	o, Ventersdorp	Diereklinie	eK						
Beef: 1									
Free State									
	in, Dr Stephan	Wessels							
Beef: 2									
	Kroonstad Die	rehospitaal							
Dairy: 1									
	nekal Dierekli	niek							
Dairy: 2									
Kwazulu-Na									
	wick Veterinar	y Clinic							
Dairy: 3									
Eastern Cap									
	Tenax Vet Cli	nic							
Dairy: 3									
111 cases									
	ast, Bosberg V	eterinary C	linic						
Dairy: 2									
	st AI, diagnosed	on pregnanc	y test. Mo	oderate m	netrtis in	first calving	neifers		
Western Ca									
	jerberg Diereh	ospitaal Da	rling						
Dairy: 3									
	, Dr Otto Krie	k							
Dairy: 1									
	Riversdal Dier	ekliniek							
Goat: 2									
	ı, Swellendam	Dierehospi	taal						
Dairy: 2									
Northern Ca	-								
	uruman Diere	kliniek							
Beef: 2									
Poor con	ception								^
PROVINCE	Mpumalanga	Gauteng L	impopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.3 (4)			1.8 (4)	2.0 (5)	2.0 (4)		1.5 (2)	
Level of impore	ortance scale: 1	= one case,	2 = more	than one	e case b	ut less than to	en and 3 =	more than 1	0 cases
Beef	1.3 (4)			1.7 (3)	2.3 (4)	2.0 (3)	,	1.0 (1)	
Dairy						2.0(1)		2.0(1)	
Sheep				2.0 (1)	1.0 (1)				
Mpumalang	a								
	four Diereklin	iek							
Beef: 1									

Beef: 2			I								
Beet: ノ	Lydenburg, Lydenburg Dierespreekkamer										
Middelburg , Middelburg Dierehospitaal											
	, Middelburg I	Dierenosp	ıtaaı								
Beef: 1		.									
	Nelspruit Anim	ai Hospita									
Beef: 1 North West											
	<u> </u>		_1								
Beef: 2	Christiana Die	renospita	aı								
	, Klerksdorp Di	orobosnit	221								
Beef: 2, Shee		erenospic	aaı								
	շր. 2 p, Ventersdo rp	Diereklin	iak								
Beef: 1	p, ventersuorp	DICICKIIII	IICK								
Free State											
	in, Dr Stephan	Wessels									
Beef: 3	iii, Di Stepilai	WC33C13									
· · ·	locolan Dierek	liniek									
Beef: 2											
	Kroonstad Die	rehosnita	al								
Beef: 2	JUI.JUU DIC	. s.i.sspitu									
	nekal Dierekli	niek									
Sheep: 1											
	le Dierehospita	aal									
Beef: 2											
Kwazulu-Na	atal										
Bergville, B	ergville Veteri	nary Clinic	C								
Beef: 2		_									
Dundee, En	dumeni Herd l	nealth									
Beef: 2											
	wiek Veterine	ar Climia									
Howick, Ho	wick veterinai	y Clinic									
Dairy: 2	wick veterinal	y Clinic									
Dairy: 2	zburg, Richmo	_	nary Clinic	:							
Dairy: 2		_	nary Clinic	3							
Dairy: 2 Pietermarit Beef: 2		nd Veteri			0%. Mar	ny cows conce	eived later in	n the breedii	ng season		
Dairy: 2 Pietermarit Beef: 2	zburg, Richmo	nd Veteri			0%. Mar	ny cows conce	eived later in	n the breedii	ng season		
Dairy: 2 Pietermarit Beef: 2 In general be Western Ca	zburg, Richmo	nd Veteri			0%. Mar	ny cows conce	eived later in	n the breedii	ng season		
Dairy: 2 Pietermarit Beef: 2 In general be Western Ca Malmesbury Dairy: 2	zburg, Richmo eef herds concep pe y, Dr Otto Krie	nd Veteri			0%. Mar	ny cows conce	eived later in	n the breedii	ng season		
Dairy: 2 Pietermarit Beef: 2 In general be Western Ca Malmesbury Dairy: 2 Oudtshoorn	zburg, Richmo eef herds concep pe y, Dr Otto Krie	nd Veteri			0%. Mar	ny cows conce	eived later in	n the breedii	ng season		
Dairy: 2 Pietermarit Beef: 2 In general be Western Ca Malmesbury Dairy: 2	zburg, Richmo eef herds concep pe y, Dr Otto Krie	nd Veteri			0%. Mar	ny cows conce	eived later in	n the breedii	ng season		
Dairy: 2 Pietermarit Beef: 2 In general be Western Ca Malmesbury Dairy: 2 Oudtshoorn Beef: 1	zburg, Richmo eef herds concep pe y, Dr Otto Krie	nd Veteri			0%. Mar	ny cows conce	eived later in	n the breedii	ng season		
Dairy: 2 Pietermarit Beef: 2 In general be Western Ca Malmesbury Dairy: 2 Oudtshoorn Beef: 1 Retained	zburg, Richmo eef herds concep pe y, Dr Otto Krie n, Ostrimed	ond Veteri	ecreased by		0%. Mar	ny cows conce Kwazulu- Natal	eived later in Eastern Cape	the breeding western Cape	ng season Northern Cape		
Dairy: 2 Pietermarit Beef: 2 In general be Western Ca Malmesbury Dairy: 2 Oudtshoorn Beef: 1 Retained	zburg, Richmo eef herds concep ipe y, Dr Otto Krie n, Ostrimed	ond Veteri	ecreased by	v about 10	Free State	Kwazulu-	Eastern	Western	^ Northern		
Dairy: 2 Pietermarit Beef: 2 In general be Western Ca Malmesbur Dairy: 2 Oudtshoorn Beef: 1 Retained PROVINCE	zburg, Richmo	ond Veterion rate do	ecreased by	North West	Free State 1.0 (1)	Kwazulu- Natal	Eastern Cape 2.0 (1)	Western Cape 2.3 (3)	Northern Cape		
Dairy: 2 Pietermarit Beef: 2 In general be Western Ca Malmesbur Dairy: 2 Oudtshoorn Beef: 1 Retained PROVINCE Average	eef herds conception of the co	ond Veterion rate do	ecreased by	North West	Free State 1.0 (1) e case but	Kwazulu- Natal	Eastern Cape 2.0 (1)	Western Cape 2.3 (3)	Northern Cape		
Dairy: 2 Pietermarit Beef: 2 In general be Western Ca Malmesbur Dairy: 2 Oudtshoorn Beef: 1 Retained PROVINCE Average Level of imporeported	eef herds conception of the co	ond Veterion rate do	ecreased by	North West 1.8 (4)	Free State 1.0 (1)	Kwazulu- Natal 2.0 (4) ut less than te	Eastern Cape 2.0 (1)	Western Cape 2.3 (3)	Northern Cape		

Sheep							2.0 (1)		
Goat	1.0(1)			1.0(1)	•	2.0(1)			
Mpumalang	· · · · · · · · · · · · · · · · · · ·			1.0 (1)		2.0 (1)			
	a four Diereklini	iok							
Beef: 1, Goat		ick							
	Longtom Dier	okliniok							
Beef: 1	Longton Dier	CKIIIICK							
North West									
	Christiana Die	rehospita	al						
Beef: 2		- CC.							
	stad, Leeudori	nastad Di	erekliniek						
Beef: 3									
Ventersdor	, Ventersdorp	Diereklin	iek						
Beef: 1, Goat									
Free State									
Ladybrand,	Ladybrand								
Beef: 1	_								
Kwazulu-Na	ital								
Bergville, B	ergville Veteri	nary Clinic	С						
Beef: 2									
Howick, Ho	wick Veterinar	y Clinic							
Dairy: 3									
Newcastle,	Ncanduvet Ne	wcastle							
Beef: 1									
Ulundi, Dr A	nnelle Duvel (CCS Vet							
Goat: 2									
Eastern Cap	e								
Cofimvaba,	State Vet Cofi	mvaba							
Sheep: 2									
Western Ca	ре								
Darling, Tyg	jerberg Diereh	ospitaal [Darling						
Dairy: 3									
Malmesbury	, Dr Otto Krie	k							
Dairy: 2									
Swellendam	ı, Swellendam	Dierehos	pitaal						
Dairy: 2									
Sheath P	rolaps								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average		2.0 (1)			1.5 (2)	1.7 (3)			
Level of impore	ortance scale: 1	= one case	e, 2 = more	than one	e case bu	ut less than te	en and 3 =	more than 1	0 cases
Beef		2.0 (1)			1.5 (2)	1.7 (3)			
Gauteng									
Hammanskı	raal, Themba <i>l</i>	Animal Cli	nic						
Beef: 2									
Free State									

	Kroonstad Die	rehospita	al							
Beef: 2										
Ladybrand,	Ladybrand									
Beef: 1										
Kwazulu-Na										
	ergville Veteri	nary Clini	C							
Beef: 2 Mtubatuba, Mtubatuba Animal Clinic										
Mtubatuba, Mtubatuba Animal Clinic										
Beef: 1										
Ulundi, Dr Annelle Duvel CCS Vet Beef: 2										
Beer. 2										
Uterus prolaps									^	
PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu- Eastern Cape Cape									Northern Cape	
A	1.0.(2)				2.0	1 6 (5)		2.0.(2)	2.0.(2)	
Average	1.0 (3)				(8)	1.6 (5)		2.0 (3)	2.0 (2)	
	ortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than te	en and 3 =	more than 1	0 cases	
reported										
					1.8	(-)			(1)	
Beef	1.0 (2)				(6)	2.0 (2)			2.0 (1)	
Daim.					(0)	1.5.(2)		2.0.(2)		
Dairy						1.5 (2)	<u>, </u>	2.0 (2)		
Sheep	1.0 (1)				2.5 (2)	1.0 (1)		2.0 (1)	2.0 (1)	
Mpumalang										
	hal Diereklinie	k								
Beef: 1				•						
	Cape Cross Vol	ksrust Die	erehospita	al						
Beef: 1, Shee Free State	ер: 1									
	locolan Dierek	liniok								
Beef: 2	iocolali Dielek	IIIIEK								
	Oosvrystaat Di	ere Produ	kte							
Beef: 2										
	rankfort Diere	kliniek								
Beef: 3, Shee										
Hertzogville	e, Hertzogville	Diereklin	iek							
Beef: 1										
	gepoort Dierel	kliniek Ve	nnootskap)						
Beef: 2, Shee	•									
Wesselsbro Beef: 1	n, Wesselsbro	n Dierekli	niek							
Kwazulu-Na	atal									
		nary Clini	c							
Bergville, Bergville Veterinary Clinic Beef: 2										
Camperdown, Camperdown Vet Clinic										
Sheep: 1										
	dumeni Herd h	nealth								
Dairy: 1										
Howick, Ho	wick Veterina	ry Clinic								

Beef: 2, Dairy	u: 2								
Western Ca									
	(WC), Heidelb	era Dierel	diniek						
Dairy: 2	(WC), Heidelb	erg Dierei	MIIIICK						
	Riversdal Dier	ekliniek							
Dairy: 2, She		CikiiiiiCik							
Northern Ca									
	uruman Diere	kliniek							
Beef: 2	araman bicic	KIIIICK							
	rg, Postmasbu	ra Dierekl	iniek						
Sheep: 2	g, : 00 a	. .							
Vaginal (Cervical) pr	olaps							^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (2)	1.7 (3)			1.9 (11)	1.8 (4)	1.6 (5)	1.5 (4)	
Level of imported	ortance scale: 1	= one case	e, 2 = more	than one	e case bi	ut less than te	en and 3 =	more than 1	0 cases
Beef	1.0 (1)	2.0 (2)			1.9 (7)	2.0 (3)	1.3 (3)		
Dairy								1.0(1)	
Sheep	1.0 (1)	1.0 (1)			2.0 (4)	1.0 (1)	2.0 (2)	1.7 (3)	
Mpumalang	a								
Bethal, Betl	hal Diereklinie	k							
Sheep: 1									
	irootvlei Diere	kliniek							
Beef: 1									
Gauteng									
	, Bapsfontein	Dierehos	oitaal						
Beef: 2, Shee									
	nderstepoort A	cademic i	iospitai ai	na Proat	iction A	inimai Ciinic	:		
Beef: 2 Free State									
	, Greylingsrust	Diorocar	ookkamar						
Sheep: 1	, Greynnysiust	. Dierespr	CCNAIIIEI						
	ocolan Dierek	liniek							
Beef: 2	Journal Dicion								
	Dosvrystaat Di	ere Produ	kte						
Beef: 2	,								
	rankfort Diere	kliniek							
Beef: 3, Shee									
	loopstad Diere	ekliniek							
Beef: 1, Shee	<u> </u>								
Ladybrand,	Ladybrand								
Beef: 1									
Reitz, Riem	land Dierehos	pitaal							
Beef: 2									
Villiers, Wil	gepoort Dierel	kliniek Ve	nnootskap)					

	_								
Beef: 2, Shee	•								
Kwazulu-Na									
	ergville Veteri	nary Clini	С						
Beef: 3									
•	n, Camperdov	vn Vet Cli	nic						
Sheep: 1									
	wick Veterinar	y Clinic							
Beef: 2			_						
	Mtubatuba Ar	nimal Clin	ic						
Beef: 1									
Eastern Cap									
	Alexandria Pla	atteland S	preekkam	ner					
Beef: 1									
	State Vet Cofi	mvaba							
Sheep: 2	(TO) O: 1								
	(EC), Steynsb	urg Diere	hospitaal						
Beef: 2	A/*1 - 1 - 1	• • • • • •	11 15						
	Witelsbos Vete	erinary Co	nsulting R	looms					
Beef: 1, Shee									
Western Ca									
	erberg Veterii	nary Hosp	ital						
Sheep: 2									
	Riversdal Dier	ekliniek							
Dairy: 1, She									
	ı, Swellendam	Dierehos	pitaal						
Sheep: 1									
Climatic	al Cause								
Cold expo	nsure								/
COIL CAP									_
PROVINCE	Mpumalanga	Gautena	Limnono	North		Kwazulu-	Eastern	Western	Northern
. KOTIKE	pamaianga	Guatering	Limpopo	West	State	Natal	Cape	Cape	Cape
					1.0				
Average					1.8			2.0(1)	2.0 (1)
Average					(4)			2.0 (1)	2.0 (1)
	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than 1	0 cases
reported									
					1.0				
Beef					(1)				
Sheep					2.0			2.0(1)	2.0(1)
опсер					(3)			2.0 (1)	2.0 (1)
Free State									
	ocolan Dierek	liniek							
Sheep: 2									
Kroonstad.	Kroonstad Die	rehosnita	al						
	Kroonstad Die	rehospita	al						
Sheep: 1		-	al						
Sheep: 1 Vrede, Vred	e Dierehospita	-	al						
Sheep: 1 Vrede, Vred Beef: 1, Shee	e Dierehospita ep: 3	-	al						
Sheep: 1 Vrede, Vred Beef: 1, Shee Western Ca	e Dierehospita ep: 3	aal							

Sheep: 2

Northern Ca Upington, U	ape Ipington Veter	inary Clin	ic						
Sheep: 2									
Weaner lamb	s, cold at night,	misty weat	ther						
Drought									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average			2.0 (1)				2.3 (4)	3.0 (3)	
Level of imported	ortance scale: 1	= one case	e, 2 = more	than one	e case bu	ut less than te	en and 3 =	more than 1	0 cases
Beef			2.0 (1)				2.0(1)	3.0 (1)	
Dairy							3.0 (1)		
Sheep							2.0 (1)	3.0 (1)	
Goat							2.0 (1)	3.0 (1)	
Limpopo							2.0 (1)	3.0 (1)	
	Dr Henk Visse	r							
Beef: 2									
	stern areas of Li	impopo							
Eastern Cap		attaland C	`muaaleleaua						
Dairy: 3	Alexandria Pla	atteiand S	ргееккат	er					
	Witelsbos Vete	rinary Co	nsulting R	ooms					
Beef: 2, Shee	p: 2, Goat: 2	•							
Western Ca									
Oudtshoorn Beef: 3	, Ostrimed								
	eeds to be fed.								
Sheep: 3, Go									
Frozen to	death								_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average		3.0 (2)			3.0 (1)				
Level of imported	ortance scale: 1	= one case	e, 2 = more	than one	e case bu	ut less than te	en and 3 =	more than 1	0 cases
Sheep		3.0 (1)			3.0 (1)				
Goat		3.0 (1)							
									_
Gauteng									
Hammanskı	raal, Themba A	Animal Cli	nic						
		Animal Cli	nic						

Sheep: 3									
	cific diseas	es							
Cause of	death not e	stablish	ed						^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average						2.0 (1)			
Level of impore	ortance scale: 1	= one case	e, 2 = more	than one	e case bu	ut less than te	en and 3 =	more than 1	0 cases
Beef						2.0(1)			
Kwazulu-Na	tal								
Bergville, Be	ergville Veteri	nary Clinic	С						
Beef: 2									
Preditors									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average			2.0 (1)		2.5 (2)	2.0 (1)			
Level of impore	ortance scale: 1	= one case	e, 2 = more	than one	e case bu	ut less than te	en and 3 =	more than 1	0 cases
Beef			2.0 (1)			2.0(1)			
Sheep					2.5 (2)				
Limpopo									
Tzaneen, ZZ Beef: 2	2 Farm Practi	ce							
Free State									
	Rowelsfontein	veearts S	Spreekkam	ner					
Sheep: 3									
	jepoort Dierek	diniek Ve	nnootskap						
Sheep: 2									
Kwazulu-Na	ital ergville Veteri	nami Clinii	_						
Beef: 2	ergville veteri	nary Clinic	<u> </u>						
Sabotatio	n - Theft								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average		3.0 (1)			3.0	2.0 (1)	1.0 (1)		

Sheep Goat 3.0 (1) Gauteng Hammanskraal, Themba Animal Clinic Goat: 3.0 (1) Gauteng Hammanskraal, Themba Animal Clinic Goat: 3.5 heep: 3 Free State Clocolan, Clocolan Dierekliniek Beef: 3, Sheep: 3 Winburg, Winburg Dierekliniek Beef: 1, O(1) 1.0 (2) Lovel of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Average 1.0 (1) 1.0 (1) 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) Sheep 1.0 (1) Mpumalanga Lydenburg, Longtom Dierekliniek Beef: 1 Cook fell in crush pen Gauteng Hammanskraal, Themba Animal Clinic Beef: 1, Goat: 1 Free State Wesselsbron, Wesselsbron Dierekliniek										
Sheep Goat 3.0 (1) Gauteng Hammanskraal, Themba Animal Clinic Goat: 3 Free State Clocolan, Clocolan Dierekliniek Beef: 3, Sheep: 3 Winburg, Winburg Dierekliniek Beef: 3, Sheep: 3 Winburg, Winburg Dierekliniek Beef: 3, Sheep: 3 Winburg, Winburg Dierekliniek Beef: 1 Trauma PROVINCE Mpumalanga Gauteng Limpopo West State Matal Eastern Cape Cape Cape Average 1.0 (1) 1.0 (2) 1.7 (3) Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Beef 1.0 (1) 1.0 (1) 1.0 (1) 1.0 (2) 1.5 (2) Sheep Goat 1.0 (1) 2.0 (1) Mpumalanga Lydenburg, Longtom Dierekliniek Beef: 1 Cow fell in crush pen Gauteng Hammanskraal, Themba Animal Clinic Beef: 1, Goat: 1 Free State Wesselsbron, Wesselsbron Dierekliniek Beef: 1, Goat: 1 Free State Wesselsbron, Wesselsbron Dierekliniek Breef: 1, Goat: 1 Free State Wesselsbron, Wesselsbron Dierekliniek Breef: 1, Goat: 1 Free State Wesselsbron, Wesselsbron Dierekliniek Breef: 1, Goat: 1 Free State Wesselsbron, Wesselsbron Dierekliniek Breef: 1, Goat: 1 Free State Wesselsbron, Wesselsbron Dierekliniek Breef: 1, Goat: 1 Free State Wesselsbron, Wesselsbron Dierekliniek Breef: 1, Goat: 1 Free State Wesselsbron, Wesselsbron Dierekliniek		ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than te	en and 3 =	more than 1	0 cases
Sheep Goat 3.0 (1) Gauteng Hammanskraal, Themba Animal Clinic Goat: 3.0 (1) Green State Clocolan, Clocolan Dierekliniek Beef: 3, Sheep: 3 Williers, Wilgepoort Dierekliniek Vennootskap Beef: 3, Sheep: 3 Winburg, Winburg Dierekliniek Vennootskap Beef: 2 Clastern Cape Queenstown, Queenstown Provincial Vet Lab Sheep: 1 Trauma PROVINCE Mpumalanga Gauteng Limpopo North West Free Kwazulu- Raal Cape Western Northern Cape	reported									
Goat Goat Goateng Hammanskraal, Themba Animal Clinic Goat: 3 Free State Clocolan, Clocolan Dierekliniek Beef: 3, Sheep: 3 Winburg, Winburg Dierekliniek Beef: 3, Sheep: 3 Winburg, Winburg Dierekliniek Beef: 3, Sheep: 3 Winburg, Winburg Dierekliniek Beef: 1 Beef: 2 Beef: 3 Beef:	Beef						2.0 (1)			
Gauteng Hammanskraal, Themba Animal Clinic Soat: 3 Free State Clocolan, Clocolan Dierekliniek Beef: 3, Sheep: 3 Frankfort, Frankfort Dierekliniek Beef: 3, Sheep: 3 Villiers, Wilgepoort Dierekliniek Vennootskap Beef: 3, Sheep: 3 Villiers, Wilgepoort Dierekliniek Beef: 3, Sheep: 3 Villiers, Wilgepoort Dierekliniek Beef: 3, Sheep: 3 Villiers, Wilgepoort Dierekliniek Beef: 3 Sheep: 4 Sheep: 4 Sheep: 4 Sheep: 4 Sheep: 5 Sheep: 6 Sheep:	Sheep							1.0 (1)		
Hammanskraal, Themba Animal Clinic Goat: 3 Goat: 4 Goat: 3 Goat: 4 Goa	Goat		3.0 (1)							
Goat: 3 Free State Clocolan, Clocolan Dierekliniek Beef: 3, Sheep: 3 Free State Clocolan, Clocolan Dierekliniek Beef: 3, Sheep: 3 Williers, Wilgepoort Dierekliniek Beef: 3, Sheep: 3 Winburg, Winburg Dierekliniek Beef: 3, Sheep: 3 Winburg, Winburg Dierekliniek Beef: 4, Sheep: 3 Free State Clocolan, Clocolan Dierekliniek Beef: 4, Sheep: 3 Williers, Wilgepoort Dierekliniek Beef: 4, Sheep: 1 Beef: 1, Sheep Goat 1.0 (1) 1.0 (2) 1.0 (2) 1.7 (3) Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Beef: 1, Sheep 1.0 (1) 1.0 (1) 1.0 (1) 1.0 (1) 1.0 (1) 2.0 (1) Mpumalanga Lydenburg, Longtom Dierekliniek Beef: 1, Coat: 1 Free State Wesselsbron, Wesselsbron Dierekliniek Beef: 1, Coat: 1 Free State Wesselsbron, Wesselsbron Dierekliniek Beef: 1, Coat: 1 Free State	Gauteng									
Free State Clocolan, Clocolan Dierekliniek Beef: 3, Sheep: 3 Frankfort, Frankfort Dierekliniek Beef: 3, Sheep: 3 Williers, Wilgepoort Dierekliniek Beef: 3, Sheep: 3 Williers, Wilgepoort Dierekliniek Beef: 3, Sheep: 3 Winburg, Winburg Dierekliniek Beef: 3 Kwazulu-Natal Beegryille, Bergville Veterinary Clinic Beef: 2 Eastern Cape Queenstown, Queenstown Provincial Vet Lab Sheep: 1 Trauma PROVINCE Mpumalanga Gauteng Limpopo West State Kwazulu- Gape Cape Queenstown (1) 1.0 (2) 1.7 (3) Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Beef 1.0 (1) 1.0 (1) 1.0 (1) 1.0 (2) 1.5 (2) Sheep Goat 1.0 (1) 2.0 (1) Mpumalanga Lydenburg, Longtom Dierekliniek Beef: 1 Cook: 1 Free State Wesselsbron, Wesselsbron Dierekliniek Beef: 1 Cook: 1 Free State Wesselsbron, Wesselsbron Dierekliniek Beef: 1 Cook: 1 Free State Wesselsbron, Wesselsbron Dierekliniek Beef: 1 Cook: 1 Free State Wesselsbron, Wesselsbron Dierekliniek Beef: 1 Cook: 1 Free State Wesselsbron, Wesselsbron Dierekliniek Beef: 1 Cook: 1	Hammansk	raal, Themba <i>l</i>	Animal Cli	nic						
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Wesselsbron, Wesselsbron Dierekliniek Sheep: 1		:: 1								
Sheep: 1	Free State									
		n, Wesselsbro	n Dierekli	niek						
Kwazulu-Natal										
	Sheep: 1									

Bergville, Bergville Veterinary Clinic

Beef: 1

Camperdown, Camperdown Vet Clinic

Beef: 1

Eastern Cape

Humansdorp, Humansdorp Veterinary Clinic

Beef: 2, Goat: 2

Somerset East, Bosberg Veterinary Clinic

Beef: 1

Two distal tibial fractures in wagyu calves less than week old