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

August 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 (120) submitted reports during August 2018:

Mpumalanga (9)

Balfour - Dr. Louis van Jaarsveld

Bethal – Dr. Hardus Pieters

Ermelo – Dr. Ben Potgieter

Grootvlei – Dr. Neels van Wyk

Karino – Dr. Silke Pfitzer

Middelburg – Drs. Erasmus, Malan and Bernitz

Nelspruit – Dr. André Beytel

Piet Retief - Drs. Niebuhr and Weber

Volksrust – Dr. Johan Blaauw

Gauteng (7)

Bronkhorstspruit – Dr. De Bruin, De Bruin and Labuschagne

Hammanskraal – Dr. Hentie Engelbrecht

Magaliesburg - Dr. Ryan Jeffery

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 (9)

Bela-Bela - Dr. Nele Sabbe

Makhado (Louis Trichardt) - Drs. Harris, Kilian, Bester and Herbst

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

Mokopane (Potgietersrust)- Dr. Henk Visser

Mokopane - Dr. Alwyn Venter (CCS)

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

Tzaneen – ZZ2 Farm practice – Dr. Danie Odendaal

Vaalwater – Dr. Hampie van Staden

Vaalwater – Dr. Annemieke Müller

North West (10)

Brits - Dr. Boshoff and Coertze

Christiana - Dr. Pieter Nel

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

Klerksdorp – Drs. Coetzee and Venter

Leeudoringstad - Dr. Ian Jonker

Lichtenburg – Dr. Nelmarie -Krüger-Rall

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

Stella - Dr. Magdaleen Vosser

Ventersdorp/ Koster – Drs. Benadé and Van der Merwe

Vryburg – Dr. Jurie Kritzinger

Free State (20)

Bethlehem – Drs. Strydom and Strydom

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 Strauss

Hertzogville – Dr. Nico Hendrikz

Hoopstad – Dr. Kobus Pretorius

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

Memel – Drs. Nixon and Nixon

Parys – Drs. Wessels and Wessels

Philippolis – Dr. Stephan van Niekerk

Reitz - Dr. Murray Smith

Smithfield – Dr. Nienke van Hasselt

Viljoenskroon – Dr. Johan Kahts

Villiers – Drs. Hattingh and Hauptfleish

Vrede – Drs. Myburgh, Bester-Cloete and Bester

Wesselsbron - Dr. Johan Jacobs

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

Eshowe – Drs. Pryke and Hoffman

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

Kokstad - Drs. Clowes and Shrives

Mooi River – Drs. Fowler, Hartley, Alexander and Reisinger

Mtubatuba – Dr. Trever Viljoen

Pietermaritzburg – Dr. Phillip Kretzmann

Pongola – Dr. Heinz Kohrs

Underberg - Drs. Collins, King and Delaney

Vryheid – Drs.Theron and Theron

Eastern Cape (16)

Alexandria - Dr. Johan Olivier

Alexandria – Dr. Charlene Boy

Aliwal North – Drs. Troskie and Strauss

Bathurst - Dr. Jane Pistorius

Cofimvaba – Dr. Werner Wentzel

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

Middelburg/Steynsburg – Drs. Van Rooyen and Viljoen

Port Alfred – Dr. Leon de Bruyn

Queenstown – Drs. Du Preez, Godley, Klopper, Jansen van Vuuren, De Klerk and Catherine

Somerset East – Drs. Farrel, Louw and Ross

Stutterheim – Dr. Dave Waterman

Uitenhage - Drs. Mulder and Krüger

Witelsbos - Dr. Elmien Kotze

Western Cape (23)

Beaufort West - Dr. Jaco Pienaar

Beaufort West - Dr. Bennie Grobler

Caledon – Drs. Retief, Coetzer and Janssen

Caledon - Drs. Louw and Viljoen

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

Darling – Drs. Van der Merwe, Adam and Senekal

George – Drs. Strydom, Truter and Pettifer

Heidelberg - Dr. Albert van Zyl

Malmesbury – Dr. Otto Kriek

Malmesbury - Dr. Markus Fourie

Malmesbury – Dr. Andries Lesch

Malmesbury – Drs. Heyns and Zolner

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/Ceres – Drs. Hamman, Wilson and Triegaardt

Vredenburg – Dr. Izak Rust

Wellington - Dr. Van Zyl and Louw

Worcester- Dr. Kobus Rabe

Northern Cape (7)

Calvinia – Dr. Bertus Nel

Colesberg – Drs. Rous and Rous

De Aar – Dr. Donald Anderson

Kathu – Dr. Jan Vorster

Kimberley – Drs. Van Heerden and Swart

Postmasburg – Dr. Boeta van der Merwe

Upington – Drs. Vorster and Visser

Feedlots (1)

Drs. Morris and Du Preez

Laboratory reports (5)

Dr. Marijke Henton - Vetdiagnostix, Johannesburg

Dr. Liza du Plessis – Idexx SA - Johannesburg

Dr. Last – Vetdiagnostix, Pietermaritzburg

Dr. Sophette Gers – Pathcare, Cape Town

Queenstown Provincial Laboratory

Summary

WORLD ANIMAL WELFARE DAY

October 6th is World Animal Welfare day. Whether it's livestock or other animals, all of us who deal with animals should ask ourselves some questions. What am I doing to maintain or improve the welfare of animals? Could I do more? Am I active enough in encouraging and persuading others to care better for their animals? Where are the biggest problems, and how can they be overcome?

Livestock Welfare, production and profitability are largely interlinked and so looking after welfare does not come at the price of a good farm management, in fact looking after welfare also benefits production and profits.

We at Livestock Welfare Coordinating Committee would like to know what you (or your organisation) do to promote the compassionate and caring management of livestock under your control – please email us at secretary@lwcc.org.za.

Gareth Bath
Professor Emeritus
Chair: LWCC

IMPORTANT MESSAGE

Animal welfare becomes more and more important!

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

Animal Identification, Tracibility and Disease control

I recently attended the Red Meat Producers Organization's national congress and the ALPHA EXPO in Parys. Common goals expressed are that we should get our house in order so that producers can export meat.

Trading partners need to know that South Africa has a system in place where animals are identified on a central data base and movement can be traced. A public private process is on its way putting this system in place.

All of us (Farmers, State and Private Veterinarians) should all work together to make sure that diseases such a Foot and Mouth Disease and other controlled and notifiable diseases are eradicated and/or under control!

Visit the veterinary strategy for action plans http://nahf.co.za/wp-content/uploads/Vet-strategy-final-signed.pdf

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

It is in the interest of all cattle farmers to ensure that herds (bulls) are free of trichomomonosis! This is an area disease.

Breeding societies should get Vendor's declarations in place and buyers should demand declarations when buying animals!

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 ovine Brucellosis		Yes (date)	No
8	My herd has been tested negative within the past year		Yes	No
9	I did not buy in cattle since my last negative brucellosis test		Yes	No

10	I/my vet investigates any abortions on my farm		Yes	No
11	To the best of my knowledge, my immediate neighbours and farms in my area are free of Bovine Brucellosis		Yes	No
12	I use a veterinarian to advise me on my cattle's herd health		Yes	No
13	The cattle handling facilities on my farm are	Poor	Average	Good

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

Please attach the most recent *Brucella* blood test certificate

Owner or authorised representative:		
Signature:		
Date:		
** * Biosecurity		
Poor – speculates with cattle, does not vaccinate, poor fences, cattle come	into	contact
with other cattle		

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.

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

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	S.	
Sta	stement 8 and 9 apply only to already infected flocks, and such sheep can only be sold to o	ther inf	ected
flo	cks by law.		
Bu	yers should consult their veterinary advisor before any purchases.		74
Cir	nature Date		
Jig			
NA	Farm: ME		
	District:		
17.7	WNER OR AUTHORIZED PRESENTATIVE	100	
The	use of this declaration is supported by the following organisations:		













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

Rift Valley Fever is a zoonotic disease.

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

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

Only dead inactivated vacines must be used in pregnant animals.

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

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

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

Why should I test my cattle for brucellosis?

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

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

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

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

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

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

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

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

Just one miss step may be the beginning of misery!

Remember this is a herd disease!

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

Brucellosis is a State controlled disease.

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

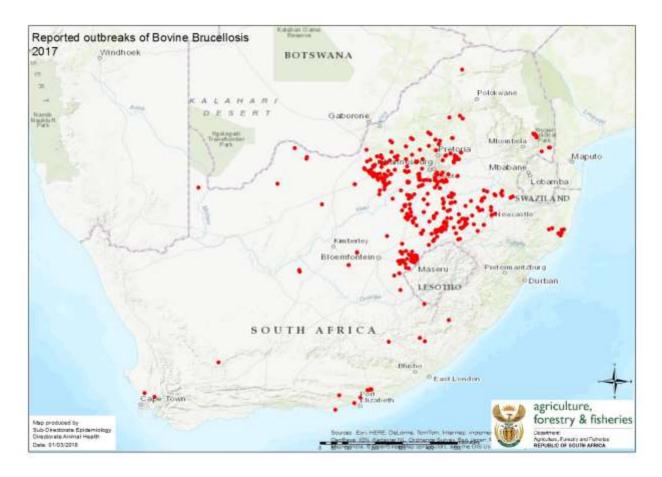
A check list has been drawn up to help you calculate what the risk is of bringing the *Brucella* bacteria onto your farm.

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

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

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

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



SOP for the control of Bovine Brucellosis

Audit date:	
Authorised person:	

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

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

Play your part in the war on brucellosis

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

Vaccination strengthens immunity against brucellosis and decreases bacterial shedding.

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

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

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

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

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

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

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

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

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

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

National Animal Health Forum

www.nahf.co.za

Read what the Forum is all about: http://nahf.co.za/about/

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

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

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

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

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

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

This link will continuously be updated.

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

Rural Veterinary Association of South Africa

www.ruvasa.co.za

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

Landbouweekblad's webpage

www.landbou.com

Vra vir Faffa

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

Click on Beeste Click on Siektes

Click on Brusellose

Stop Brusellose

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

Rapportering aan bure of ander eienaars oor die voorkoms van brusellose

Inligting oor brusellose op die NAHF se webblad

Kuddebestuur voor die dekseisoen

Bees Brusellose handleiding

Teenliggaamwaardes om beesbrusellose in koeie te bepaal

Veterinêre Strategie 2016 -2026

'n Dosyn dinge wat jy moet weet van beesbrusellose

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

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

Vervoer van diere uit 'n positiewe brusellose kudde

Beheer van brusellose in 'n beeskudde

Boerderypraktyke wat die gevaar van die voorkoms van brusellose verhoog

Pak brusellose by die horings

Brucellose kan jou lewe verwoes

Brusellose in wild

Bestuur van positiewe besmetlike misgeboorte beeste

Aankoop van beeste wat besmetlike misgeboorte het

Antwoorde oor brusellose

Behandeling van besmetlike misgeboorte

Besmetlike misgeboorte uitbreek in 'n kudde

Gevaar van brusellose onderskat

RB51-inenting teen brusellose in dragtige koeie

Alles oor Besmetlike Misgeboorte (BM)

Kompensasie vir BM en TB positiewe beeste?

Nóg vrae oor besmetlike misgeboorte

Koeie positief getoets vir besmetlike misgeboorte

Vrae, antwoorde oor besmetlike misgeboorte

Brucellose: Wat staan ons te doen?

Internal parasite control

www.wormx.info

Summary of disease report for August 2018

120 Reports from veterinary practices and laboratories were received (Mpumalanga (MP) 9; Gauteng (G) 7; Limpopo (L) 9; Northwest (NW) 10; Free State (FS) 20; KwaZulu-Natal (KZN) 13; Eastern Cape (EC) 16; Western Cape (WC) 23: Northern Cape (NC) 7; Feedlots (FL) 1 and Laboratories (Lab) 5).

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

Internal parasites

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

Internal parasites	MP	G	L	NW	FS	KZN	EC	wc	NC
Roundworms	х	х		х	х	х	х	х	
Resistant roundworms	х	х							
Wireworm		х		х	х	х	х	х	х
Brown stomach-worm								х	

						х		
					х			
х	х			х				
х			х	х	х		х	
х			х	х	х			
х		х	х					х
х	х		х	х		x	х	х
			х	х	x	x	х	
	x x	x x x	x	x x x x x x x x	x x x x x x x x x x x x x x x x x x x	x x	X X X X X X X X X X X X X X X X X X X X X X X X X X X X	X X X

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

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

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

Wireworm infestations have been reported from 7 provinces. Most farmers think that wireworm is dormant in winter. Check animals for bottle jaw and anaemia. As temperatures rise, be aware of early outbreaks of wireworm infestations. For worm eggs to hatch humidity, temperature above 15 degree Celsius and oxygen are needed.

It cannot be stressed enough that the basis of preventing cryptosporidiosis and pathogenic *E. coli* outbreaks is biosecurity and making sure that the monthers give the best possible colostrum quality to their offspring.

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.

It is important to contact your veterinarian to help you diagnose what the problem(s) on the farm is when young animals start dying. Samples are set away for diagnosis. *Cryptosporidia* and *E.coli* can be present in the water and food sources. Supply workers with protective clothing which have to be kept on the farm.

Choose disinfectants that is registered for killing Cryptosporidium!

External parasites

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

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

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

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

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

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

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

Below is a list of diseases transmitted by ticks.

Tick borne diseases

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

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

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

Numerous mortalities were reported!

The keyword is vaccinate your animals! Contact your veterinarian.

Anaplasmosis outbreaks were reported in 6 provinces.

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

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

Insect transmittable diseases

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

Insect transmittable diseases	MP	G	L	NW	FS	KZN	EC	wc	NC
Lumpy skin disease				х	х	х	х		
Ephemeral fever (Three day stiff sickness)						х			
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. Now is the time to vaccinate your animals against these diseases.

Have you vaccinated your animals vaccinated against Rift Valley Fever?

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

Out of experience I can tell you that when outbreaks of diseases occur, vaccines will be difficult to acquire as many people will be ordering vaccines all at once.

Venerial diseases

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

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

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

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

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

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

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

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

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

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

Bacterial diseases

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

Bacterial diseases	MP	G	L	NW	FS	KZN	EC	WC	NC
Anthrax									

Blackquarter	х			х	х	х	х		
Botulism					х	х	х		
Pulpy kidney		х			х	х	х	х	
Lamb dysentery							х		х
Swelled head		х						х	
Red gut (cattle)		х			х	х		х	
Blood gut (sheep)	х			х	х		х	х	х
Tetanus		х						х	
Salmonellosis	х		х	х					
Bovine brucellosis				х	х	х	х	х	
Ovine brucellosis (Ram's disease)					х			х	
Bovine tuberculosis								х	
Johne's								х	
Leptospirosis									
Listeriosis									
Pseudomonas									
Fusibacterium necrophorum								х	
Septicaemia		х				х			х
E. coli	х	х		х	х	х	х	х	х
Enzootic abortion	х		х		х		х	х	х
Lumpy wool					х				
Uterine gangrene							х	х	х
Bovine dermatophilosis (Senkobo disease)						х			
Wooden tongue									

Lumpy jaw					

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

Viral diseases

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

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

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

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

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

Discuss vaccination programmes and biosecurity measures with your veterinarian.

Fungal diseases

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

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

Protozoal diseases

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

Toxicities

The following toxicities were reported by practices in the provinces:

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

Cynanchum (bobbejaantou)					х	
Facial eczema		х			х	
Lantana	х		х			
Prussic acid				х		
Senecio				х		
Cotula nigellifolia (stagger wood)						
Geeldikkop (duwweltjies) and dikoor		х		х		
Vermeersiekte						
Hertia pallens (Nenta, krimpsiekte)						
Chrysocoma ciliata (bitterbos)						
Solanum incanum (maldronksiekte)						
Gomphocarpus (Asclepias) fruticosus (milkweed)						
Bracken fern						
January bush (Gnidia polycephalatus)						
Chinkerinchee						
Ceylons rose				Х		
Eucalyptus (bloekom) bark						
Kikuyu						
Ryegrass						
Ganskweek						
Paspalum staggers						
Phalaris aquaticum (Phalaris staggers)						
Photosensitivity (Turknael, Erodium moschatum)		 				

Photosensitivity (Stellenbosch)							
Lusern							
Mycotoxicosis						х	
Aflatoxin							
Diplodiosis	+			х	х		
Lupins							
Harpuisbos							
Syringa berries	+						
Acorn							
Cycad							
Kraalbos, Geelbos (<i>Galenia africana</i>)							
Radish							
Carrot poisoning							
Onion poisoning							
Bracken fern							
Pollen beetle (Astylus atromaculatus)							
Water contamination		х	X				
Nitrate							
Tannins						х	
Urea			х	х	х		
Salt							
Wet carcase syndrome							
Snake bite							
Moth cocoons (impaction)							

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

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

Do have activated charcoal on the farm as the antidote for tulip poisoning! Seven provinces reported tulip toxicity!

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

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

www.landbou.com

Vra vir Faffa

Klik op Indeks van antwoorde

Klik op Beeste of Skape

Klik op Vergiftigings

Klik op die Opskrifte

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

A few cases of Lantana-poisoning were reported.

Research are being done to control Lantana:

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

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

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

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

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

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

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

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

Nutritional deficiencies

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

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

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

Micro-nutritional deficiencies

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

Deficiencies	MP	G	L	NW	FS	KZN	EC	wc	NC
Iodine						х			
Copper						х			
Zinc									
Selenium				х		х	х		
Magnesium				х	х				

Manganese				х		
Vitamin A		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	х	х	х	
Abscesses	х	х	х	х	х	х	х	х	х
Intestinal ulcers				х				х	
Bladder stones –urolithiasis									
Blindness					х	х	х	х	х
Bloat					х	х	х	х	х
Blue udder					х		х	х	Х
Diarrhoea	х			х	х	х	х	х	
Epididymitis	х	х		х	х			х	
Eye cancer		х			х		х	х	
Eye infections		х		х	х	х	х	х	х

Joint ill	Х				х	х	х	х	
Lameness/foot problems	х	х		х	х	х	х	х	
Lung infection	х	х	х	х	х	х	х	х	х
Mastitis	х	х		х	х	х	х	х	
Navel ill	х	х				х	х	х	
Umbilical hernia		х							
Red gut (sheep, torsion of gut)								х	
Rectal prolaps		х							
Swelsiekte									
Traumatic reticulo-pericarditis							х	х	
Trauma						х			х
Teeth wear									
Plastic bags (ingestion)									
Downer	х	х			х	х	х	х	
Anaphylactic shock									
Vestibular syndrome (middle ear infection)									

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	

Displaced abomasum			х		x	х	
Ketosis (Domsiekte)	х		х		х	х	х
Milk fever	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	
Poor conception	х			х	х	х		х	х
Retained afterbirth	х	х		х	х	х	х	х	х
Sheath prolaps		х		х	х	х	х		х
Uterine prolaps	х	х	х	х	х	х	х	х	х
Vaginal prolaps	х	х		х	х	х	х	х	
Penis injury									
Orchitis									

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

Environmental conditions

	MP	G	L	NW	FS	KZN	EC	WC	NC
Exposure to cold					х		х	х	

Frozen to death			х		
Heat stress					
Lightning					
Electrocution					
Drought				х	

Be prepared when cold spells and snow fall are forecasted.

Other conditions

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

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

Kaapmuiden – Dr. Silke Pfitzer Mokopane – Dr. Alwyn Venter (SV) Nigel – dr. Cindy vd Westhuizen Plettenberg Bay – Dr. André Reitz Stutterheim – Dr. Dave Waterman Vaalwater – Dr. Hampie van Staden Vaalwater – Dr. Annemieke Müller Vanderbijlpark – Dr. Kobus Kok

Ostriches

Western Cape

Oudtshoorn

Tapeworms – 2, Not a significant production problem but farmers like to Rx to get flocks clean. Most grower flocks rid themselves of infection

Red gut – 3 Overfeeding on maize and changes in intake behaviour. Overgrowth, Alpha toxin production. More adult birds. Treatment: tetracyclines effective.

Diarrhoea – 3 Associated with mouldy feed – drought, low cost and last stored roughage. Also cheaper maize results in feeding high volumes of maize, more of a acidosis condition underlying.

Yolk sack infection -3 Chick season is starting, open nest system with few drops of rain causes shell contamination. Weak bacteraemic chicks post hatch. Treatment effective with quinolones

Protein and energy deficiency - 3, Protein energy deficiency. Low feed intake due to feed differences (quality and source of roughage) short day periods for intake, high energy need during winter.

Mycotoxins – 2 DON high levels in feed. Last of season storage – desperate to obtain cheap feed in drought. Feed refusal, diarrhoea, liver abscessation.

Vitamin A deficiency - Slight eye problems – tears/ dust

Cold – 3 Growers not growing well during winter months and suffering from protein and energy (PED) due to poor feed intake (short days) die acutely from hypothermia/ glycaemia

Equines

Mpumalanga

Middelburg

Tetanus - 1

Limpopo

Modimolle

Downers – 2 horses died, severe internal parasite infestation

Free State

Parys

Feed associated colic – 2

Eastern Cape

Port Alfred

Biliary – 1 (Kleinemonde)

Rain scald – 1 (Kleinemonde)

Sarcoid – 1 (Bathurst)

Diarrhoea – 1 Foal (Bathurst)

Western Cape

Darling

Retained after birth - 1

Northern Cape

Colesberg

Biliary - 2

Game

Limpopo

Bela-bela

Lameness – Sable infection of the hoof, recovered

Lameness – Sable got cought up in the fence and injured achilles tendon

Trauma – buffalo – fifghting between two bulls, one bull had wound caused by horn

Modimolle

Sarcocystis – Impala ram dies one month after been moved

Actinobacillosis (Knopkakebeen) - Nyala ewe

North West

Klerksdorp

Red legged-ticks - 2 Zebra

KwaZulu-Natal

Underberg

Capture myopathy – 1 Eland

Eastern Cape Port Alfred

Theileriosis – Sable 1 Veminosis – Sable 1 Diarrhoea – Sable calf 1

Swine

Gauteng OnderstepoortMange – 1

Dogs

Northern Province Kathu Rabies - 1

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

Pasteurella multocida [11] was the most common pathogen isolated from bovine respiratory tract infections, followed by Mycoplasma [7], Mannheimia haemolytica [4], Histophilus somni [4], Trueperella pyogenes [3] and Mannheimia biotype 8C [1] which is one of the biotypes associated with pneumonia.

Gangrenous myositis was caused by Clostridium chauvoei in 4 cases, and C. novyi in two.

Calf enteritis was associated in 13 cases with *E. coli*, and *Cryptosporidium* in 3. *Salmonella* Infantis was isolated on two different occasions from calves on the same farm. *Salmonella* Infantis is one of the pathogenic strains that cause disease from time to time in South Africa. *Salmonella* Infantis is considered to be an emerging pathogen.

Salmonella Dublin was isolated from a septicaemic calf.

Enteritis in pigs was associated with *E. coli* in 5 cases.

Abscesses in cattle were associated with *Trueperella pyogenes* in 7 cases, in a goat in one case, and a kudu as well. Other causes of abscessation were a single case of *Corynebacterium pseudotuberculosis* in sheep, *Actinomyces bovis* in a goat, and *Actinomyces* sp in the joint of a lion.

A case of Blue Udder was due to *Staphylococcus aureus* in sheep. The Onderstepoort Biological Products Blue Udder vaccine contains two strains of *S. aureus*, and three of *Mannheimia [Pasteurella] haemolytica*, and should be effective in such cases.

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

Condition	Comments and Specie
Red gut	В 3
Blood gut	O 3
Botulism	B 2
Diarrhoea and deaths in lambs	03
Acidosis	В 3
Weak lambs, difficulty to adapt	03
Vitamin A deficiency with eye infection	0 3
Vitamin B 1 deficiency	B 2
Lungs	В 3

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

Specialist Veterinary Pathologist, Vetdiagnostix - Veterinary Pathology Services

LIVESTOCK DISEASE SURVEILANCE								
LIVESTOCK SPECIES DISEASE AGENT NO. CASES LOCATION								
Bovine, Dairy calf	Cryptosporidiosis	1	Darling, W. Cape					
Bovine, Dairy calf	Cryptosporidiosis	1	Dundee, KZN					
Ovine, Lamb 3 weeks	Clostridial enterotoxaemia	1	Parys, Free State					
Bovine, Dairy calf	Cryptosporidiosis	1	Darling, W. Cape					
Bovine, Beef Calf	Cestrum poisoning	1	Howick, KZN					

Bovine, Dairy Calf	Pasteurella multocida septicaemia	1	Dundee, KZN
Bovine, Dairy Calf	Cryptosporidiosis	1	Dundee, KZN

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

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

Condition	Comments and Specie
Tapeworms	C 1
Coccidiosis	C 2
E. coli	B 1
Hepatotoxicity	B 1
Lungs	B,G 1
Abortion	B,O,C 1



Section of Pathology Department of Paraclinical Sciences Faculty of Veterinary Science 5th September 2018 DAFF Import/Export Policy Unit Subdirectorate

Monthly report: Faculty of Veterinary Science cases Cases sent to referring veterinarians between 27th July and 5th September 2018

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

PMDate	Species	Histo No	
17-Jul-18	African Buffalo	Acute renal failure	S2472-18
19-Jul-18	White Rhino	Cachexia	S2513-18
20-Jul-18	Burchell's Zebra	Suspected chronic peritonitis	S2545-18
25-Jul-18	Cheetah	Liver and renal failure, cholangitis	\$2646-18
30-Jul-18	Lion	Suspected hypokalaemic polymyopathy	S2643-18
08-Aug-18	Impala	Emaciated, liver fibrosis	\$2757-18
08-Aug-18	Roan	Bronchopneumonia	S2741-18
08-Aug-18	African Buffalo	Cardiac, skeletal myopathy	\$2750-18

Kind regards,

Mily Witchell

Prof. Emily Mitchell

DISEASE DISTRIBUTION REPORT AS REPORTED BY VETERINARIANS

Table of Contents	
Internal Parasites	Roundworms in general, Resistant Round Worms, Wireworm, Brown stomach-worm, Nodular worm, Tape Worms, Parafilaria, Liver fluke, Conical Flukes, Cysticercosis
External Parasites	Blue ticks, Resistant blue Ticks, Heartwater (Bont) ticks, Brown earticks, Bont-legged ticks, Red-legged ticks, Paralysis ticks, Biting lice (red lice), Sucking lice (blue lice), Scab mites, Mange Mites, Nuisance Flies, Blowflies, Nasal bot larvae, Midges
<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
<u>Venereal Diseases</u>	Actinobacillus seminis, Trichomonosis, Vibriosis, Pizzle disease
Bacterial Disease (other)	Blackquarter, Botulism, Pulpy Kidney, Lamb dysentry, Swelled head disease, Red gut (cattle), Blood gut

	(Sheep), Tetanus, Salmonellosis, Brucella abortus, Brucella ovis, Bovine Tuberculosis, Johne`s disease, Septicaemia, E. coli, Enzootic Abortion, Dermatophilosis (Lumpy Wool), Intrauterine Gangrene, Bovine Dermatophilosis (Senkobo disease), Fusibacterium necrophorum					
Protozoal diseases (other)	Besnoitiosis, Coccidiosis, Cryptosporidium					
Fungal diseases	Ringworm					
<u>Viral Diseases (other)</u>	BMC, Rabies, BVD (Bovine viral diarrhoea), IBR (Infectious bovine rhinotracheitis), Enzootic Bovine Leucosis (EBL), Jaaqsiekte, Orf, Warts, Rota virus, Corona Virus, Other viral disease not listed					
Poisonings (Plant) and Fungal	Cardiac qlycoside poisoning, Cestrum, Cynanchum poisoning, Facial eczema, Geeldikkop/Dikoor, Gifblaar, Lantana, Prussic acid poisoning, Seneciosis, Tulip Poisoning, Mycotoxicosis, Diplodiosis, Other					
<u>Poisonings</u>	Water contamination, Urea Poisoning, Copper Poisoning					
Macro Nutritional Problems	Energy deficiency, Protein deficiency, Phosphate deficiency, Calcium deficiency					
<u>Micro Nutritional Problems</u>	<u>Iodine deficiency, Copper deficiency, Zinc deficiency, Selenium</u> <u>deficiency, Magnesium deficiency, Manganese deficiency, Vitamin A deficiency, Vitamin B deficiency</u>					
Multi-factorial Disease Conditions	Abortions, Stillbirths, Abscesses, Abscesses in general, Bladder stones, Blindness, Bloat, Blood gut (sheep and goat), Blue udder, Diarrhoea, Epididymitis, Eye Cancer, Eye infections, Joint Ill, Lameness/Foot Problems, Lung infection, Mastitis in general, Navel Ill, Redgut (Sheep), Trauma, Downer, Traumatic Reticulo-pericarditis, Other					
Metabolic Diseases	Acidosis, Displaced abomasum, Ketosis, Milk Fever					
Metabolic Diseases Reproductive diseases	Acidosis, Displaced abomasum, Ketosis, Milk Fever Dystocia (Difficult Births), Endometritis, Metritis, Poor conception, Retained afterbirth, Sheath Prolaps, Uterus prolaps, Vaginal (Cervical) prolaps					
<u> </u>	Dystocia (Difficult Births), Endometritis, Metritis, Poor conception, Retained					
Reproductive diseases	Dystocia (Difficult Births), Endometritis, Metritis, Poor conception, Retained afterbirth, Sheath Prolaps, Uterus prolaps, Vaginal (Cervical) prolaps					
Reproductive diseases Climatical Cause	Dystocia (Difficult Births), Endometritis, Metritis, Poor conception, Retained afterbirth, Sheath Prolaps, Uterus prolaps, Vaginal (Cervical) prolaps Cold exposure, Drought, Frozen to death Cause of death not established, Preditors, Sabotation - Theft, Trauma, Veld					
Reproductive diseases Climatical Cause Non specific diseases	Dystocia (Difficult Births), Endometritis, Metritis, Poor conception, Retained afterbirth, Sheath Prolaps, Uterus prolaps, Vaginal (Cervical) prolaps Cold exposure, Drought, Frozen to death Cause of death not established, Preditors, Sabotation - Theft, Trauma, Veld					
Reproductive diseases Climatical Cause Non specific diseases Internal Parasites	Dystocia (Difficult Births), Endometritis, Metritis, Poor conception, Retained afterbirth, Sheath Prolaps, Uterus prolaps, Vaginal (Cervical) prolaps Cold exposure, Drought, Frozen to death Cause of death not established, Preditors, Sabotation - Theft, Trauma, Veld fires Approximately Frozen Kwazulus, Fastorn, Wostorn, Northern, No					

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

Beef	1.0(1)			2.0 (4)	1.0(1)		
Sheep	1.0(1)	2.0 (2)	2.0 (1) 2.0 (4)	2.0 (2)	2.0 (1)	2.0 (2)	
Goat	1.0(1)	1.0(1)		2.0 (2)	2.0 (2)		

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1, Sheep: 1, Goat: 1

Gauteng

Hammanskraal, Themba Animal Clinic

Sheep: 2

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Goat: 1
North West

Ventersdorp, Ventersdorp Dierekliniek

Sheep: 2
Free State

Bultfontein, Greylingsrust Dierespreekkamer

Sheep: 2

Clocolan, Clocolan Dierekliniek

Sheep: 2

Kroonstad, Kroonstad Dierehospitaal

Sheep: 1

Trompsburg, Dr. Wyn Irwin

Sheep: 3 Young animals

Kwazulu-Natal

Bergville, Tugela Vet Clinic

Beef: 2, Sheep: 2, Goat: 2

Mooi River, Mooirivier Vet Clinic

Beef: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Pietermaritzburg, Veterinary House Hospital

Beef: 2, Sheep: 2, Goat: 2

Eastern Cape

Port Alfred, Port Alfred Veterinary Clinic

Beef: 1

Port Alfred - verminosis

Goat: 3 Bathurst

Queenstown, Queenstown Provincial Vet Lab

Sheep: 2, Goat: 1
Western Cape

Caledon, Caledon Dierekliniek

Sheep: 2

Caledon, Overberg Veterinary Hospital

Sheep: 2

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (2)	1.0 (1)							
Level of imported	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)	1.0 (1)							
Goat	1.0(1)								
Balfour, Bal Sheep: 1	Apumalanga Balfour, Balfour Dierekliniek Bheep: 1 Nelspruit, Nelspruit Animal Hospital								
	spruit, Kerkstr	aat Diere	kliniek						
Sheep: 1	sprait, Kerksti	dat Diele	KIIIICK						
Wirewori	m								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average		1.7 (3)		2.0 (1)	2.0 (2)	2.0 (2)	1.5 (2)	2.5 (2)	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 =	more than	10 cases
Sheep		2.0 (2)			2.0 (2)	2.0 (1)	2.0 (1)	2.5 (2)	3.0 (1)
Goat		1.0(1)		2.0(1)		2.0 (1)	1.0(1)		
Gauteng		<u> </u>					, ,		
	spruit, Kerkstr	aat Diere	kliniek						
Sheep: 2									
	raal, Themba A	Animal Cli	nic						
Sheep: 2, Go North West									
	Dierekliniek								
Goat: 2									
Free State									
	, Greylingsrust	t Dierespr	eekkamer						
Sheep: 2 Clocolan, Cl	ocolan Dierek	liniek							
Sheep: 2									
Kwazulu-Na									
Pietermaritzburg, Veterinary House Hospital									
Sheep: 2, Goat: 2 Eastern Cape									
-	n, Queenstowi	n Provinci	al Vet Lah						
Sheep: 2, Go			a. Tet Edb						
Western Ca									

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ases							
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rthern pe							
ases							
Sheep: 3 Tape Worms							
^							
 rthern pe							
pe							
pe							

Sheep: 1									
Gauteng									
	raal, Themba <i>l</i>	Animal Cli	nic						
Beef: 1									
Pretoria, Anima Veterinary Consulting Rooms									
Sheep: 1									
Free State									
	Kroonstad Die	rehospita	al						
Sheep: 2									
	land Dierehos	pitaal							
Sheep: 2									
Eastern Cap									
_	n, Queenstowi	n Provinci	al Vet Lab						
Sheep: 1									
Western Ca	-		•						
	, Oudtshoorn	Diereklini	ek						
Sheep: 1									
Parafilari	ia								_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average						2.5 (2)			3.0 (1)
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Beef						2.5 (2)			3.0 (1)
Kwazulu-Na									
Mtubatuba, Beef: 2	Mtubatuba Ar	nimal Clin	ic						
Pietermarit : Beef: 3	zburg, Veterin	ary House	e Hospital						
Feedlot cattle	brought in fron	n various re	egions in KZ	:N					
Northern Ca			J						
Kimberley,	Kimberley Die	rekliniek							
Beef: 3									
Liver fluk	(e								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)			1.0 (1)	2.0 (1)	1.3 (4)		2.0 (1)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	2.0 (1)			1.0 (1)	2.0 (1)	1.3 (3)			
Sheep						1.0(1)		2.0(1)	
-	_					1.0 (1)		2.0 (1)	
1pumalang	la e								

Balfour, Bal	four Diereklin	iek							
Beef: 2									
North West									
Lichtenburg	, Dr CM Kruge	er-Rall							
Beef: 1									
Free State									
Villiers, Wil	gepoort Dierel	kliniek Ve	nnootskap						
Beef: 2									
Kwazulu-Na									
Mooi River,	Mooirivier Vet	t Clinic							
Beef: 1									
	zburg, Veterin	ary House	e Hospital						
Beef: 2, Shee									
	ngola Animal	Clinic							
Beef: 1									
Western Ca	-	• • • •							
	orge Animal H	ospitai							
Sheep: 2									
Conical F	lukes								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)			2.0 (2)	2.0 (4)	1.0 (1)	1.0 (2)		
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Beef	1.0 (1)			2.0 (2)	2.0 (3)	1.0(1)	1.0 (1)		
Dairy							1.0(1)		
Sheep					2.0 (1)				
Mpumalang	a								
Balfour, Bal	four Diereklin	iek							
Beef: 1									
North West									
Lichtenburg	j, Dr CM Kruge	er-Rall							
Beef: 1									
	a Dierekliniek								
Beef: 3									
Free State	mal Vatarina	Climin							
Memel, Mer Beef: 2	nel Veterinary	CIINIC							
	gepoort Dierel	kliniak Va	nnootekan						
Beef: 2, Shee		riiiiek ve	шооськар						
	։թ. ∠ e Dierehospit a	aal							
Beef: 2	e pierenospita	uai							
Kwazulu-Na	ntal								
	Mooirivier Ve	t Clinic							
Beef: 1		Cillic							
Eastern Cap	ne .								
_astern cap	_								

Somerset East, Bosberg Veterinary Clinic Beef: 1, Dairy: 1											
Cysticero									<u>^</u>		
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Average	3.0 (1)		1.0 (1)	2.0 (1)					1.7 (3)		
Level of impore	ortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than to	en and 3 =	more than 1	10 cases		
Beef	3.0 (1)		1.0(1)	2.0(1)					1.0(1)		
Sheep	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·						2.0 (1)		
Goat									2.0 (1)		
Mpumalang	a								(1)		
	elspruit Anima	al Hospita	I								
	Dr Henk Visse	r									
Beef: 1											
North West	yburg Diereho	enitaal									
Beef: 2	yburg Diereno	Spitaai									
Northern Ca	ре										
	Kimberley Die	rekliniek									
Beef: 1	g, Postmasbu	ra Diorok	iniak								
Sheep: 2, Go		ig Dieleki	IIIICK								
	Parasites										
Blue ticks	5								^		
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Average	1.3 (3)	1.0 (1)		2.5 (2)	2.6 (5)	2.4 (5)	2.0 (1)	2.3 (3)			
Level of impore	ortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than to	en and 3 =	more than :	10 cases		
Beef	1.3 (3)	1.0 (1)		2.0 (1)	2.7 (3)	2.5 (4)	2.0 (1)	2.0 (1)			
Dairy				3.0 (1)				3.0 (1)			
Sheep					2.5 (2)			2.0 (1)			
Goat						2.0 (1)					
Mpumalang	a							-			

D C - 1									
Beef: 1									
	, Middelburg I	Dierehosp	itaal						
Beef: 1									
Nelspruit, N	elspruit Anima	al Hospita	ıl						
Beef: 2									
Gauteng									
Hammanskı	raal, Themba <i>l</i>	Animal Cli	nic						
Beef: 1									
North West									
Vryburg, Vr	yburg Diereho	spitaal							
Beef: 2, Dairy	<i>ı</i> : 3								
Free State									
Hoopstad, H	loopstad Diere	ekliniek							
Beef: 3, Shee	p: 3								
Kroonstad,	Kroonstad Die	rehospita	al						
Beef: 2, Shee		-							
	on, Viljoenskro	on Dierel	kliniek						
Beef: 3	<u>-</u>								
Kwazulu-Na	ıtal								
Bergville, Be	ergville Veteri	narv Clini	С						
Beef: 3		<u> </u>							
Bergville, Tu	ugela Vet Clini	C							
Beef: 2, Goat	_								
•	Mooirivier Vet	Clinic							
Beef: 2									
Vrvheid, Vrv	heid Privaat \	/eeartse							
Beef: 3	,								
Eastern Cap	e								
	Alexandria Pla	atteland S	preekkam	er					
Beef: 2									
Western Ca	pe								
	orge Animal He	ospital							
Dairy: 3									
	, Oudtshoorn	Diereklini	ek						
Beef: 2, Shee			<u> </u>						
									_
Resistant	: blue Ticks				,				
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average								3.0 (1)	
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Beef								3.0 (1)	
Western Ca	ре								
	orge Animal He	ospital							
Beef: 3	J								
Heartwat	er (Bont) ti	cks							^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape

Average	2.0 (3)	1.5 (2)		1.5 (2)		1.9 (7)	2.0 (2)		
Level of impor reported	tance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than to	en and 3 =	more than	10 cases
Beef	2.0 (2)	2.0(1)		1.5 (2)		2.3 (3)			
Sheep						1.5 (2)	1.0(1)		
Goat	2.0(1)	1.0(1)				1.5 (2)	3.0 (1)		
		1.0 (1)				1.3 (2)	3.0 (1)		
Mpumalanga Middelburg	Middelburg I	Dierehoen	itaal						
Beef: 2	Priducibulg i	Diei enosp	itaai						
	elspruit Anima	al Hospita	I						
Beef: 2, Goat:									
Gauteng									
	aal, Themba A	Animal Cli	nic						
Beef: 2, Goat:	1								
North West									
	(lerksdorp Di	erehospit	aal						
Beef: 2									
•	Dierekliniek								
Beef: 1									
Kwazulu-Nat			_						
Bergville, Be l Beef: 3	rgville Veteri	nary Ciini	C						
	Mtubatuba Ar	simal Clin	io.						
Beef: 2, Goat:		IIIIIai Ciiii	iC						
	z burg, Veterin	arv House	Hospital						
Beef: 2, Sheep		ary mouse	riospitai						
	igola Animal	Clinic							
Sheep: 1, Goat									
Eastern Cape									
	Port Alfred Ve	eterinary (Clinic						
Goat: 3									
Shaw Park (3);	; Fish River (1)								
Jitenhage, U	itenhage Die	rehospita	al						
Sheep: 1									
Brown ear	-ticks								^
PROVINCE N	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average		2.0 (1)				2.0 (1)			
Level of impor reported	tance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than to	en and 3 =	more than	10 cases
Beef		2.0(1)				2.0(1)			
Gauteng									
	ma Veterinar	y Consulti	ing Rooms	;					
Beef: 2									
Kwazulu-Nat	al								
		ami Harras	Hoonital						
Pietermaritzl	burg, Veterin	ary mouse	поѕрітаі						

Bont-legged ticks										
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average	1.0 (1)			2.5 (2)	2.4 (7)				3.0 (1)	
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases	
Beef	1.0 (1)			2.5 (2)	2.3 (4)				3.0 (1)	
Sheep					2.7 (3)					
Mpumalang										
	four Diereklin	iek								
Beef: 1										
North West										
	Christiana Die	rehospita	al							
Beef: 3	1/1 L D									
	Klerksdorp Di	erenospit	aaı							
Beef: 2										
Free State	Jaanstad Diam	aldiniale								
Beef: 3, Shee	Hoopstad Diero	ekiiniek								
	းပု. ၁ Kroonstad Die	rohoenita	al							
Beef: 2, Shee		renospita	aı .							
	nel Veterinary	Clinic								
Beef: 1	ner vetermary	Cillic								
	g, Dr. Wyn Irw	in								
Beef: 3	<i>y, ,</i>									
Problem espe	ecially around th	e anus cau	ses small al	oscesses						
Sheep: 3										
Northern Ca	аре									
De Aar, De	Aar Veterinary	Clinic								
Beef: 3										
Red-legg	ed ticks								^	
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average	1.0 (3)			3.0 (1)	2.4 (5)					
Level of impore	ortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than t	en and 3 =	more than	10 cases	
Beef	1.0 (1)			3.0 (1)	2.3 (3)					

						_			
Sheep	1.0(1)				2.5 (2)				
Goat	1.0(1)								
Mpumalang	a								
Balfour, Bal	four Diereklin	iek							
Beef: 1, Shee	p: 1, Goat: 1								
North West									
Christiana,	Christiana Die	rehospita	al						
Beef: 3									
Free State									
Hoopstad, F	loopstad Diere	ekliniek							
Beef: 3, Shee	ep: 3								
Kroonstad,	Kroonstad Die	rehospita	al						
Beef: 2, Shee	ep: 2								
Memel, Mer	nel Veterinary	Clinic							
Beef: 2									
Paralysis	ticks								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					3.0 (2)		2.5 (2)		
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than 1	10 cases
Beef					3.0 (1)		2.0 (1)		
Sheep					3.0 (1)		3.0 (1)		
Free State									
	g, Dr. Wyn Irw	in							
Beef: 3, Shee									
Eastern Cap									
	h, Hertzogbrug	Dierekli	niek						
Beef: 2	,	,							
	(EC), Steynsb	ura Diere	hospitaal						
Sheep: 3	(_0), 500,130								
	e (red lice)								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
					2.7				

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

2.3 (3)

(6)

Average

1.5 (2)

1.5 (4)

Beef				2.3 (3)	2.8 (5)	1.5 (2)			
Dairy					2.0 (1)			1.0 (1)	
Sheep								1.7 (3)	
North West								· · · · · · · · · · · · · · · · · · ·	
Klerksdorp,	Klerksdorp Di	erehospit	aal						
Beef: 2	•								
Leeudorings	stad, Leeudori	ngstad Di	erekliniek						
Beef: 3	<u> </u>	_							
Vryburg, Vr	yburg Diereho	spitaal							
Beef: 2									
Free State									
Clocolan, Cl	ocolan Dierek	liniek							
Beef: 3, Dairy									
Hoopstad, F	loopstad Diere	ekliniek							
Beef: 3									
Kroonstad,	Kroonstad Die	rehospita	al						
Beef: 3									
Memel, Mer	nel Veterinary	Clinic							
Beef: 2									
Viljoenskro	on, Viljoenskro	oon Diere	kliniek						
Beef: 3									
Kwazulu-Na									
Bergville, T	ugela Vet Clini	С							
Beef: 1									
Kokstad, E.	G.Veterinary S	ervices							
Beef: 2									
Western Ca									
	est, Beaufort I	Diereklinie	ek						
Sheep: 2									
	est, Beaufort \	Nest State	e Vet						
Sheep: 2									
	. Farmers do no		ore.						
	ledon Dierekli	niek							
Sheep: 1									
	h, Stellenbosc	n Animal	Hospital						
Dairy: 1									
Sucking I	ice (blue lic	e)							^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average				2.0 (3)	2.8 (4)	3.0 (1)	2.0 (1)		2.5 (2)

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

Beef		2.0 (3)	3.0 (3)	3.0 (1)	
------	--	---------	---------	---------	--

					2.0				
Dairy					2.0 (1)				2.0 (1)
Goat							2.0 (1)		3.0 (1)
North West									
Leeudorings	stad, Leeudori	ngstad Di	erekliniek						
Beef: 3									
Lichtenburg	, Dr CM Kruge	r-Rall							
Beef: 1									
Ventersdorp Beef: 2	p, Ventersdorp	Diereklin	iek						
Free State									
	ocolan Dierek	liniek							
Beef: 3, Dairy									
	e, Hertzogville	Diereklin	iek						
Beef: 3	., <u>.</u>								
	loopstad Diere	ekliniek							
Beef: 3									
Kwazulu-Na	atal								
	yheid Privaat \	/eeartse							
Eastern Cap	10								
	et, Graaff Reir	act Votori	nany Clinic	,					
Goat: 2	et, Graan Ken	iet veteri	ilai y Cilliic	•					
Northern Ca	ano.								
	ape Curuman Diere	kliniak							
Dairy: 2	uruman Diere	KIIIIIEK							
	rg, Postmasbu	ra Diarak	liniek						
Goat: 3	g, rostillasba	ig Dieleki	IIIICK						
Scab mit	es								^
							l e		
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average		2.0 (1)		1.0 (1)			1.0 (1)	1.0 (1)	
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	out less than t	en and 3 =	more than	10 cases
Sheep				1.0(1)			1.0(1)	1.0(1)	
Goat		2.0 (1)							
Gauteng									
	raal, Themba A	Animal Cli	nic						
Goat: 2									
North West									
	Christiana Die	rehospita	al						
Sheep: 1									
Eastern Cap	e								
	n, Queenstowi	n Provinci	al Vet Lab						
Sheep: 1									
Western Ca	pe								
	verberg Veterii	nary Hosp	ital						
Sheep: 1	-								

Mange M	ites								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (2)	1.3 (3)		2.7 (3)	2.5 (4)	1.0 (1)		1.0 (1)	
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than :	10 cases
Beef	1.0 (1)	2.0 (1)		2.7 (3)	2.5 (4)	1.0(1)		1.0(1)	
Dairy	1.0(1)								
Sheep		1.0(1)							
Goat		1.0 (1)							
	-	1.0 (1)							
Mpumalang	a four Diereklin	iek							
Beef: 1	ioui Dielekiiii	ick							
	lelspruit Anima	al Hospita	1						
Dairy: 1	.с.ор. ш.с /	шоор	·•						
Gauteng									
	raal, Themba A	Animal Cli	nic						
Beef: 2, Goat									
Pretoria, Or	nderstepoort A	cademic	Hospital a	nd Prod	uction A	Animal Clinic	С		
Sheep: 1									
North West									
	Christiana Die	rehospita	al						
Beef: 3									
Sarcoptes mit									
Beef: 3	stad, Leeudori	ngstad Di	erekiiniek						
	yburg Diereho	cnitaal							
Beef: 2	yburg biereno	Spitaai							
Free State									
	, Greylingsrust	t Dierespr	eekkamer						
Beef: 3	, c.c,go. as	. Dicicopi	Communici						
	loopstad Diere	ekliniek							
Beef: 3									
Reitz, Riem	land Dierehos	pitaal							
Beef: 2									
Wesselsbro	n, Wesselsbro	n Dierekli	niek						
Beef: 2									
Kwazulu-Na									
	zburg, Veterin	ary House	e Hospital						
Beef: 1									
Western Ca		Nionoldie:	ماد						
Beautort Wo	est, Beaufort I	Dierekiinie	:K						

Beef: 1

Nuisance Flies

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (3)					2.0 (2)		2.0 (2)	
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Beef	1.0(1)					2.0 (1)		2.0 (1)	
Dairy								2.0 (1)	
Sheep	1.0(1)								
Goat	1.0(1)					2.0 (1)			
Mpumalang Balfour, Bal Beef: 1, Shee Kwazulu-Na	four Diereklin p: 1, Goat: 1	iek							
Mtubatuba, Beef: 2, Goat Western Ca	Mtubatuba Ar : 2								
Beef: 2, Dairy	/: 2								
Blowflies									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)	1.0 (1)							
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Beef	1.0(1)								
Goat		1.0(1)							
Beef: 1 Gauteng	a , Middelburg I raal, Themba <i>I</i>								
Nasal bot	larvae								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.0 (3)				
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases

Sheep					2.0 (3)								
Free State													
Sheep: 3	loopstad Dier	ekiiniek											
	Kroonstad, Kroonstad Dierehospitaal												
Sheep: 2													
	land Dierehos	pitaal											
Sheep: 1													
Midges									^				
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape				
Average						1.0(1)		1.8 (4)					
Level of impore	ortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than t	en and 3 =	more than :	10 cases				
Beef						1.0(1)		2.0 (1)					
Dairy								1.5 (2)					
Sheep								2.0 (1)					
Kwazulu-Na	ıtal												
	Mooirivier Vet	t Clinic											
Beef: 1													
Western Ca Malmesbury	pe /, Dr Otto Krie	k											
Dairy: 1	,, 21 000 1410												
	, Malmesbury	Dierehos	pitaal										
Beef: 2, Dairy	v: 2, Sheep: 2												
Tick-bor	ne Disease	S											
African re	ed water								<u>^</u>				
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape				
Average	3.0 (1)		1.5 (2)	1.0 (1)	2.0 (1)	1.5 (2)	1.0 (1)	3.0 (1)					
Level of impore	ortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than t	en and 3 =	more than :	10 cases				
Beef	3.0 (1)		1.5 (2)	1.0 (1)	2.0 (1)	1.5 (2)	1.0 (1)						
Dairy								3.0 (1)					
Mpumalang													
Middelburg Beef: 3	, Middelburg I	Dierehosp	itaal										
Limpopo													
	louberg Diere	kliniek											

Beef: 1									
	Pietersburg V	eterinary	Clinic						
Beef: 2									
North West									
	Klerksdorp Di	erehospit	aal						
Beef: 1									
Free State									
	e Dierehospita	aal							
Beef: 2									
Kwazulu-Na									
	ergville Veteri	nary Clinic	C						
Beef: 2	N d N								
	Ncanduvet Ne	wcastie							
Beef: 1									
Eastern Cap		wimawa Ca	mand li ma D						
Beef: 1	Witelsbos Vete	erinary Co	nsuiting K	ooms					
Western Ca									
	pe orge Animal Ho	ocnital							
Dairy: 3	orge Ammai n	ospitai							
Dall y. 3									
Asiatic re	ed water								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
					1.3			-	
Average	1.0 (2)	1.0 (1)	2.0 (1)		(3)	2.0 (4)	1.3 (3)	2.0 (2)	
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than 1	10 cases
Beef	1.0 (2)	1.0 (1)	2.0 (1)		1.0 (2)	2.0 (4)	1.5 (2)	2.0 (1)	
Dairy					2.0 (1)		1.0 (1)	2.0 (1)	
Mpumalang	a								
	, Middelburg I	Dierehosp	itaal						
Beef: 1									
Nelspruit, N	lelspruit Anima	al Hospita							
Beef: 1									
Gauteng									
Bronkhorst	spruit, Kerkstr	aat Dierel	kliniek						
Beef: 1									
Limpopo									
	Pietersburg V	eterinary	Clinic						
Beef: 2									
Free State									
	ocolan Dierek	liniek							
Beef: 1									
	Ladybrand Die	erekliniek							
Dairy: 2		-11 1							
	nel Veterinary	Clinic							
Beef: 1									

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 1

Bergville, Tugela Vet Clinic

Beef: 2

Eshowe, Eshowe Veterinary Hospital

Beef: 2

Occasional outbreaks

Kokstad, E.G.Veterinary Services

Beef: 3 Two herds

Eastern Cape

Cofimvaba, State Vet Cofimvaba

Beef: 2

Queenstown, Queenstown Provincial Vet Lab

Beef: 1

Witelsbos, Witelsbos Veterinary Consulting Rooms

Dairy: 1

Western Cape

George, George Animal Hospital

Beef: 2

Swellendam, Swellendam Dierehospitaal

Dairy: 2

Anaplasmosis										
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average		1.0 (2)		2.2 (5)	1.8 (8)	1.7 (3)	1.5 (2)	2.3 (4)		
	ortanco caslos 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 (2)	2.2 (5)	1.7 (7)	1.7 (3)	1.5 (2)	2.0 (1)	
Dairy			2.0 (1)			2.3 (3)	

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 1

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1
North West

Christiana, Christiana Dierehospitaal

Beef: 3

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 1

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 3

Fifteen cases in weaners, one died

Ventersdorp, Ventersdorp Dierekliniek

Beef: 2

Vryburg, Vr	yburg Diereho	spitaal							
Beef: 2									
Free State									
Clocolan, Cl	ocolan Dierek	liniek							
Beef: 2									
Ficksburg, (Dosvrystaat Di	ere Produ	ıkte						
Beef: 1									
Hertzogville	e, Hertzogville	Diereklin	iek						
Beef: 1	.,								
Hoopstad, F	loopstad Diere	ekliniek							
Beef: 3									
Kroonstad.	Kroonstad Die	rehospita	al						
Beef: 2, Dairy									
	Ladybrand Die	erekliniek							
Beef: 2									
	s Dierehospita	al							
Beef: 1	o Dici ciloopica	WI .							
Kwazulu-Na	ntal								
	ergville Veteri	nary Clini	_						
Beef: 2	ergyme veteri	nary Cinn							
	zburg, Veterin	ary House	Hoenital						
Beef: 1	zburg, veteriii	ary rious	riospitai						
	Underberg Ve	torinanı S	Surgory						
Beef: 2	Oliderberg ve	termary S	urgery						
Eastern Cap	10								
	Alexandria Pla	attaland S	'nrookkam	\ <u>\</u>					
Beef: 2	Alexanuria Pi	atteranu s	ргееккап	ier					
	Doub Alfred Va		Climia						
Beef: 1	Port Alfred Ve	etermary (Cimic						
Port Alfred									
Western Ca			``						
Beef: 2	gerberg Diereh	iospitaai i	Jarning						
	. T								
	y, Invitrotech								
Dairy: 2		n'							
	y, Malmesbury	Dierenos	рітааі						
Dairy: 2									
	Riversdal Dier	rekliniek							
Dairy: 3									
Heartwat	ter								<u>^</u>
				North	Free	Kwazulu-	Eastern	Western	Northern
PROVINCE	Mpumalanga	Gauteng	Limpopo	West	State		Cape	Cape	Cape
Average	1.0 (1)	1.5 (4)	2.3 (6)	2.0 (2)		1.6 (8)	1.4 (5)		
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Beef	1.0(1)	1.0 (2)	2.3 (3)	2.0(1)		2.0 (4)	1.0(1)		
	(1)	(-)	(0)			```	210 (1)		
Dairy				[_	1.0 (1)			
Sheep		1.0(1)	2.0(1)	2.0(1)		1.0(1)	1.7 (3)		
Goat		3.0 (1)	2.5 (2)		_	1.5 (2)	1.0(1)		
3000		3.0 (1)	2.0 (2)			1.5 (2)	1.0 (1)		

Mpumalanga

Middelburg, Middelburg Dierehospitaal

Beef: 1

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 1, Goat: 3

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1, Sheep: 1

Limpopo

Makhado, Blouberg Dierekliniek

Beef: 3, Goat: 3

Polokwane, Pietersburg Veterinary Clinic

Beef: 2, Sheep: 2, Goat: 2 **Tzaneen, ZZ2 Farm Practice**

Beef: 2
North West

Rustenburg, Bergbos Dierekliniek

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

Bergville, Bergville Veterinary Clinic

Beef: 2

Eshowe, Eshowe Veterinary Hospital

Beef: 3

Huge heartwater outbreak in new herd

Estcourt, Estcourt Vet Clinic

Dairy: 1

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2, Goat: 2

Pietermaritzburg, Veterinary House Hospital

Beef: 1

Pongola, Pongola Animal Clinic

Sheep: 1, Goat: 1
Eastern Cape

Cofimvaba, State Vet Cofimvaba

Sheep: 2, Goat: 1

Humansdorp, Humansdorp Veterinary Clinic

Sheep: 1

Port Alfred, Port Alfred Veterinary Clinic

Beef: 1 Port Alfred

Somerset East, Bosberg Veterinary Clinic

Sheep: 2

Sweating Sickness										
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average				2.5 (2)	2.0 (1)			1.0 (1)		

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

Beef				2.5 (2)	2.0 (1)			1.0 (1)	
North West									
Christiana,	Christiana Die	rehospita	al						
Beef: 2									
Leeudorings	stad, Leeudori	ngstad Di	erekliniek						
Beef: 3									
Free State									
	Ladybrand Di	erekliniek							
Beef: 2									
Western Ca									
	h, Stellenbosc	h Animal	Hospital						
Beef: 1									
Insect T	ransmittab	ole Dise	ases						
Lumpy sk	in disease								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average				1.0 (1)	2.0 (1)	1.2 (5)	1.0 (1)		
Level of impore	ortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than t	en and 3 =	more than	10 cases
Beef				1.0 (1)	2.0 (1)	1.3 (4)			
Dairy						1.0(1)	1.0(1)		
North West									
Klerksdorp,	Klerksdorp Di	erehospit	aal						
Beef: 1		-							
Free State									
Hoopstad, F	loopstad Dier	ekliniek							
Beef: 2									
Kwazulu-Na	ital								
	ergville Veteri	nary Clini	С						
Beef: 1									
	dumeni Herd l	nealth							
Beef: 2, Dairy									
	Underberg Ve	terinary S	urgery						
Beef: 1	shold Dubract	loor-t							
Beef: 1	/heid Privaat \	veeartse							
Eastern Cap	10								
	e ast, Bosberg V	otorinary	Clinic						
Dairy: 1	ust, busbery V	etermai y	Citille						
	y-stiffsickn	ess							^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape

1.0(1)**Average** Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Beef 1.0(1)Kwazulu-Natal Pietermaritzburg, Veterinary House Hospital Beef: 1 **Blue tongue** North Free Kwazulu- Eastern Western Northern **PROVINCE Mpumalanga Gauteng Limpopo** West State Natal Cape Cape Cape 3.0 1.0(1)2.0(1)**Average** (1) Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported 3.0 Sheep 1.0(1)2.0(1)(1) **Mpumalanga** Middelburg, Middelburg Dierehospitaal Sheep: 1 Gauteng Hammanskraal, Themba Animal Clinic Sheep: 2 **Free State** Trompsburg, Dr. Wyn Irwin Sheep: 3 Blue tongue vaccine not available! Need vaccine for ewes before the go to rams! Nagana North Free Kwazulu- Eastern Western Northern **PROVINCE Mpumalanga Gauteng Limpopo** West State Natal Cape Cape Cape 2.0(1)**Average** Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Beef 2.0(1)Kwazulu-Natal Mtubatuba, Mtubatuba Animal Clinic Beef: 2 **Venereal Diseases** Actinobacillus seminis

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average				2.0 (1)						
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases	
Goat				2.0(1)						
North West Brits, Brits Dierekliniek Goat: 2										
Goat: 2										
Trichomo	nosis				,				^	
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average	1.8 (4)		1.5 (2)	2.3 (4)	2.3 (11)	1.0 (1)	1.0 (2)		2.0 (2)	
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases	
Beef	1.8 (4)		1.5 (2)	2.3 (4)	2.3 (11)	1.0 (1)	1.0 (2)		2.0 (1)	
Dairy									2.0 (1)	
Mpumalang	a									
	nal Diereklinie	k								
Beef: 3										
	irootvlei Diere	kliniek								
Beef: 2	, Middelburg I	Diarahaam	itaal							
Beef: 1	, Middelburg i	Dierenosp	ıldai							
	Cape Cross Vol	ksrust Dia	rehosnita	al						
Beef: 1	арс стозз тог	KSI USC DIC	or Criospica	u.						
Limpopo										
	louberg Diere	kliniek								
Beef: 1										
Mokopane,	Dr Henk Visse	r								
Beef: 2										
North West										
	Christiana Die	rehospita	al							
Beef: 1										
	Klerksdorp Di	erehospit	aal							
Beef: 2	- Diameter in									
	a Dierekliniek									
Beef: 3	vhura Diaraka	cnitaal								
Vryburg, vr Beef: 3	yburg Diereho	spilddi								
Free State										
	ocolan Dierek	liniek								
Beef: 2										
	, Platkop Dier	ekliniek								

Beef: 2									
Six bulls teste	ed positive								
Frankfort, F	rankfort Diere	kliniek							
Beef: 3									
Hertzogville	e, Hertzogville	Diereklin	iek						
Beef: 1									
Hoopstad, F	loopstad Diere	ekliniek							
Beef: 3									
Kroonstad,	Kroonstad Die	rehospita	al						
Beef: 3									
Ladybrand,	Ladybrand Die	erekliniek							
Beef: 2									
Memel, Mer	nel Veterinary	Clinic							
Beef: 2									
Reitz, Riem	land Dierehos _l	pitaal							
Beef: 2									
Villiers, Wil	gepoort Dierel	kliniek Ve	nnootskap						
Beef: 3									
Vrede, Vred	e Dierehospita	aal							
Beef: 2									
Two new farr	ns								
Kwazulu-Na	ital								
Newcastle,	Ncanduvet Ne	wcastle							
Beef: 1									
Eastern Cap	e								
Alexandria,	Riverview Tra	ding Vet	Consulting	Service	es				
Beef: 1									
Queenstow	n, Queenstowi	n Veterina	ry clinic						
Beef: 1									
Northern Ca									
Kuruman, K	uruman Diere	kliniek							
Dairy: 2									
Postmasbur	g, Postmasbu	rg Dierekl	liniek						
Beef: 2									
Vibriosis									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average			2.0 (1)	1.5 (2)	2.0 (3)		1.0 (2)	1.0 (1)	
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than :	10 cases
Beef			2.0 (1)	1.5 (2)	2.0 (3)		1.0 (1)	1.0 (1)	
Dairy							1.0(1)		
Limpopo									
	louberg Diere	kliniek							
Beef: 2									
North West									
	a Dierekliniek								
Julia, Julia	c. ci.iiiick								

Beef: 1									
Vryburg, Vr	yburg Diereho	spitaal							
Beef: 2									
Free State									
	locolan Dierek	liniek							
Beef: 2									
	p, Platkop Dier	ekliniek							
Beef: 2									
Two bulls tes	•								
	Kroonstad Die	rehospita	al						
Beef: 2									
Eastern Cap									
	Riverview Tra	ding Vet	Consulting	g Service	es				
Dairy: 1									
	n, Queenstowi	n Veterina	ary clinic						
Beef: 1									
Western Ca	=								
	h, Stellenbosc	h Animal	Hospital						
Beef: 1									
Pizzle dis	ease								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
							-	·	-
Average							1.0 (1)	2.0 (1)	2.5 (2)
Level of impreported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than to	en and 3 =	more than	10 cases
Sheep							1.0(1)	2.0(1)	2.5 (2)
Eastern Car	oe							` '	` /
	et, Graaff Reir	net Veteri	narv Clinio	2					
Sheep: 1	,								
Western Ca	pe								
	est, Beaufort [Diereklinie	ek						
Sheep: 2	•								
Northern Ca	аре								
Calvinia, Ca	lvinia Veearts	kliniek							
Sheep: 3									
De Aar, De	Aar Veterinary	Clinic							
Sheep: 2									
Bacteria	l Disease (other)							
	_	.							
	rter								^
Blackqua	rter								_
Blackqua	nrter Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape

2.3 (4)

1.7 (7)

1.0(1)

2.2 (6)

1.3 (3)

Average

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

Beef	1.3 (3)	2.4 (5) 2.3 (4)	1.7 (6)	1.0 (1)
Sheep			2.0 (1)	
Goat		1.0 (1)		

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 2

Middelburg, Middelburg Dierehospitaal

Beef: 1

Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 1
North West

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 3

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 3

Lichtenburg, Dr CM Kruger-Rall

Beef: 2 Three cows Goat: 1 Three goats

Stella, Stella Dierekliniek

Beef: 2

Ventersdorp, Ventersdorp Dierekliniek

Beef: 2 Free State

Clocolan, Clocolan Dierekliniek

Beef: 1

Dewetsdorp, Platkop Dierekliniek

Beef: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 2

Ladybrand, Ladybrand Dierekliniek

Beef: 3

Kwazulu-Natal

Bergville, Tugela Vet Clinic

Beef: 1

Dundee, Endumeni Herd health

Beef: 2

Estcourt, Estcourt Vet Clinic

Beef: 1

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Clostridium novyi

Underberg, Underberg Veterinary Surgery

Beef: 2, Sheep: 2

Vryheid, Vryheid Privaat Veeartse

Beef: 2
Eastern Cape

Port Alfred, Port Alfred Veterinary Clinic

Beef: 1

Martindale									
Botulism									2
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					3.0 (1)	1.0 (1)	1.0 (1)		
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than to	en and 3 =	more than	10 cases
Beef					3.0 (1)	1.0 (1)			
Sheep							1.0(1)		
Free State									
	loopstad Dier	ekliniek							
Beef: 3									
Kwazulu-Na		namı Clini	_						
Bergville, В Beef: 1	ergville Veteri	nary Clini	C						
Eastern Cap	oe .								
	n, Queenstow	n Provinci	al Vet Lab						
Sheep: 1	<u> </u>								
Pulpy Kic	lnov								
r dipy ide				North	Free	Kwazulu-	Eastern	Western	Northern
PROVINCE	Mpumalanga	Gauteng	Limpopo	West	State		Cape	Cape	Cape
Average		2.0 (3)			2.0 (4)	1.0 (1)	1.7 (3)	2.0 (2)	
Level of imp									
	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than to	en and 3 =	more than	10 cases
reported Sheep	ortance scale: 1	= one case 3.0 (1)	e, 2 = more	than on	2.0 (4)	ut less than to	en and 3 =	more than 2.0 (2)	10 cases
reported	ortance scale: 1		e, 2 = more	than on	2.0				10 cases
reported Sheep Goat Gauteng		3.0 (1) 1.5 (2)		than on	2.0				10 cases
reported Sheep Goat Gauteng Bronkhorst	spruit, Kerkstı	3.0 (1) 1.5 (2)		than on	2.0				10 cases
Sheep Goat Gauteng Bronkhorst: Sheep: 3, Go	spruit, Kerkstr	3.0 (1) 1.5 (2)	kliniek	than on	2.0				10 cases
reported Sheep Goat Gauteng Bronkhorst Sheep: 3, Go Hammansk	spruit, Kerkstı	3.0 (1) 1.5 (2)	kliniek	than on	2.0				10 cases
reported Sheep Goat Gauteng Bronkhorst Sheep: 3, Go Hammansk Goat: 2	spruit, Kerkstr	3.0 (1) 1.5 (2)	kliniek	than on	2.0				10 cases
Goat Gauteng Bronkhorst Sheep: 3, Go Hammansk Goat: 2 Free State Clocolan, Cl	spruit, Kerkstr	3.0 (1) 1.5 (2) raat Diere	kliniek	than on	2.0				10 cases
Goat Gauteng Bronkhorst: Sheep: 3, Go Hammansk Goat: 2 Free State Clocolan, Cl Sheep: 2	spruit, Kerkstr at: 1 raal, Themba <i>i</i> locolan Dierek	3.0 (1) 1.5 (2) Taat Diere Animal Cli	kliniek	than on	2.0				10 cases
Goat Gauteng Bronkhorst Sheep: 3, Go Hammansk Goat: 2 Free State Clocolan, Cl Sheep: 2 Hoopstad, H	spruit, Kerkstr at: 1 raal, Themba	3.0 (1) 1.5 (2) Taat Diere Animal Cli	kliniek	than on	2.0				10 cases
Goat Gauteng Bronkhorst: Sheep: 3, Go Hammansk Goat: 2 Free State Clocolan, Cl Sheep: 2 Hoopstad, H	spruit, Kerkstr at: 1 raal, Themba locolan Dierek loopstad Diere	3.0 (1) 1.5 (2) Taat Diere Animal Cli liniek ekliniek	kliniek	than on	2.0				10 cases
Goat Gauteng Bronkhorst: Sheep: 3, Go Hammansk Goat: 2 Free State Clocolan, Cl Sheep: 2 Hoopstad, H Sheep: 3 Viljoenskro	spruit, Kerkstr at: 1 raal, Themba <i>i</i> locolan Dierek	3.0 (1) 1.5 (2) Taat Diere Animal Cli liniek ekliniek	kliniek	than on	2.0				10 cases
Goat Gauteng Gronkhorsts Gheep: 3, Go Hammansk Goat: 2 Free State Clocolan, Cl Gheep: 2 Hoopstad, H Gheep: 3 //iljoenskro Gheep: 1	spruit, Kerkstr at: 1 raal, Themba locolan Dierek loopstad Diere	3.0 (1) 1.5 (2) Taat Diere Animal Cli liniek ekliniek bon Diere	kliniek nic kliniek	than on	2.0				10 cases

Kwazulu-Na	atal								
	Ncanduvet Ne	wcastle							
Sheep: 1									
Eastern Cap	e e								
	h, Hertzogbrug	Diereklii	niek						
Sheep: 1	, <u>,</u>	,							
	et, Graaff Reir	net Veteri	narv Clinic	:					
Sheep: 2	ey craan non		,						
	ast, Bosberg V	eterinary	Clinic						
Sheep: 2	, 20020.9	occi iiiai y	U U						
Western Ca	ne								
	erberg Veteri	narv Hosp	ital						
Sheep: 2	<u> </u>	,							
	y, Malmesbury	Dierehos	pitaal						
Sheep: 2	,, ,	2.0.000	p						
Lamb dys	sentry								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average							1.0(1)		1.0(1)
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than to	en and 3 =	more than	10 cases
Sheep							1.0(1)		-
Goat									1.0(1)
Eastern Cap	16								, ,
	n, Queenstowi	n Provinci	al Vet Lab						
Northern Ca	аре								
	rg, Postmasbu	ra Dierekl	iniek						
Goat: 1	3, : ::::::::::::::::::::::::::::::::::	. 9 - 10.0							
Swelled I	nead diseas	е							^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State		Eastern Cape	Western Cape	Northern Cape
Average		3.0 (1)						1.0 (1)	
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than to	en and 3 =	more than	10 cases
Beef		3.0 (1)							
Sheep								1.0(1)	
Gauteng									
Bronkhorst	spruit, Kerkstr	aat Dierel	kliniek						
Beef: 3									
Western Ca									
	est, Beaufort \	Nest State	e Vet						
Sheep: 1 Swelled head	disease								

	(cattle)								4		
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northerr Cape		
Average		2.0 (1)			1.0 (1)	1.0 (1)		1.5 (2)			
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported											
Beef		2.0 (1)			1.0 (1)	1.0(1)		1.0(1)			
Dairy								2.0(1)			
Gauteng								()			
	raal, Themba A	nimal Cli	nic								
Beef: 2	idai, iliciliba F	ammar CII									
ree State											
	nel Veterinary	Clinic									
Beef: 1											
(wazulu-Na	atal										
	ergville Veteri	nary Clini	С								
Beef: 1											
Nestern Ca	ре										
Piketberg, F	Piketberg Dier	ehospitaa	I								
Beef: 1											
Swellendan	n, Swellendam	Dierehos	pitaal								
Dairy: 2											
· , · · =											
	t (Sheep)								2		
Blood gu	t (Sheep) Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Blood gu		Gauteng	Limpopo		State			Cape	Саре		
PROVINCE Average Level of impo	Mpumalanga			West 1.5 (2)	2.0 (1)	Natal	Cape 2.0 (1)	2.8 (4)	2.0 (1)		
Blood gui	Mpumalanga			West 1.5 (2)	2.0 (1)	Natal	Cape 2.0 (1)	Cape 2.8 (4) more than	Cape 2.0 (1)		
PROVINCE Average Level of imporeported Sheep	Mpumalanga 1.0 (1) ortance scale: 1			1.5 (2) e than one	2.0 (1) e case b	Natal	2.0 (1) en and 3 =	Cape 2.8 (4) more than	2.0 (1) 10 cases		
PROVINCE Average Level of imporeported Sheep Goat	Mpumalanga 1.0 (1) ortance scale: 1 1.0 (1)			1.5 (2) e than one	2.0 (1) e case b	Natal	2.0 (1) en and 3 =	Cape 2.8 (4) more than	2.0 (1)		
PROVINCE Average Level of impore ported Sheep Goat Apumalang	Mpumalanga 1.0 (1) ortance scale: 1 1.0 (1)	= one case		1.5 (2) e than one	2.0 (1) e case b	Natal	2.0 (1) en and 3 =	Cape 2.8 (4) more than	2.0 (1) 10 cases		
PROVINCE Average Level of impore ported Sheep Goat Upumalang Bethal, Betl	Mpumalanga 1.0 (1) ortance scale: 1 1.0 (1)	= one case		1.5 (2) e than one	2.0 (1) e case b	Natal	2.0 (1) en and 3 =	Cape 2.8 (4) more than	2.0 (1) 10 cases		
PROVINCE Average Level of impore ported Sheep Goat Apumalang Bethal, Betl Sheep: 1	Mpumalanga 1.0 (1) ortance scale: 1 1.0 (1)	= one case		1.5 (2) e than one	2.0 (1) e case b	Natal	2.0 (1) en and 3 =	Cape 2.8 (4) more than	2.0 (1) 10 cases		
PROVINCE Average Level of impore ported Sheep Goat Mpumalang Bethal, Betl Sheep: 1 North West	Mpumalanga 1.0 (1) ortance scale: 1 1.0 (1)	= one case	e, 2 = more	1.5 (2) e than one	2.0 (1) e case b	Natal	2.0 (1) en and 3 =	Cape 2.8 (4) more than	2.0 (1) 10 cases		
PROVINCE Average Level of impore ported Sheep Goat Mpumalang Bethal, Bethelep: 1 North West Christiana,	Mpumalanga 1.0 (1) ortance scale: 1 1.0 (1)	= one case	e, 2 = more	1.5 (2) e than one	2.0 (1) e case b	Natal	2.0 (1) en and 3 =	Cape 2.8 (4) more than	2.0 (1) 10 cases		
PROVINCE Average Level of impore ported Sheep Goat Mpumalang Bethal, Bethep: 1 North West Christiana, Sheep: 1	Mpumalanga 1.0 (1) ortance scale: 1 1.0 (1)	= one case k rehospita	e, 2 = more	1.5 (2) e than one	2.0 (1) e case b	Natal	2.0 (1) en and 3 =	Cape 2.8 (4) more than	2.0 (1) 10 cases		
PROVINCE Average Level of imporeported Sheep Goat Apumalang Bethal, Beth Sheep: 1 Horth West Christiana, 1 Sheep: 1 Jentersdorp Sheep: 2	Mpumalanga 1.0 (1) ortance scale: 1 1.0 (1) a hal Diereklinie Christiana Die	= one case k rehospita	e, 2 = more	1.5 (2) e than one	2.0 (1) e case b	Natal	2.0 (1) en and 3 =	Cape 2.8 (4) more than	2.0 (1) 10 cases		
PROVINCE Average Level of impore ported Sheep Goat Apumalang Bethal, Beth	Mpumalanga 1.0 (1) ortance scale: 1 1.0 (1) a hal Diereklinie Christiana Die	= one case k rehospita	e, 2 = more	1.5 (2) e than one	2.0 (1) e case b	Natal	2.0 (1) en and 3 =	Cape 2.8 (4) more than	2.0 (1) 10 cases		

Sheep: 2 **Eastern Cape Graaff-Reinet, Graaff Reinet Veterinary Clinic** Sheep: 2 **Western Cape** Caledon, Overberg Veterinary Hospital Sheep: 2 **Darling, Tygerberg Dierehospitaal Darling** Sheep: 3 **Oudtshoorn, Ostrimed** Sheep: 3 Piketberg, Piketberg Dierehospitaal Sheep: 3 **Northern Cape** Kuruman, Kuruman Dierekliniek Goat: 2 **Tetanus** Kwazulu-**Eastern** Western Northern North Free **PROVINCE Mpumalanga Gauteng Limpopo** West State Natal Cape Cape Cape 2.0(1)2.0(1)**Average** Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Sheep 2.0(1)Goat 2.0(1)Gauteng Hammanskraal, Themba Animal Clinic Goat: 2 **Western Cape** Riversdale, Riversdal Dierekliniek Sheep: 2 **Salmonellosis** North Free Kwazulu-Eastern Western Northern PROVINCE Mpumalanga Gauteng Limpopo West State Natal Cape Cape Cape **Average** 2.0(1)3.0 (1) 1.0(1)Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Beef 3.0 (1) 1.0 (1) **Dairy** 2.0(1)**Mpumalanga Nelspruit, Nelspruit Animal Hospital** Dairy: 2 Limpopo Modimolle, Kranskop Dierekliniek Beef: 3

Abortions , Sa	Abortions , Salmonella II isolated on bacterial culture - suspected water as source of infection.									
North West										
	Christiana Die	rehospita	al							
Beef: 1	·····	. c.i.copita								
Brucella abortus										
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average				2.3 (3)	2.0 (10)	3.0 (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										
Beef				2.3 (3)	2.0 (10)	3.0 (1)	1.0 (1)			
Sheep								1.0(1)		
North West										
Klerksdorp,	Klerksdorp Di	erehospit	aal							
Beef: 1		_								
	, Dr CM Kruge	er-Rall								
Beef: 3										
Thirteen teste										
	yburg Diereho	spitaal								
Beef: 3										
Free State										
	ocolan Dierek	liniek								
Beef: 2	- N									
Beef: 1	, Platkop Dier	ekliniek								
	Dosvrystaat Di	oro Drodi	ıkto							
Beef: 1	JOSVI'YSLAAL DI	ere Produ	ikte							
	e, Hertzogville	Diereklin	iek							
Beef: 2	, Herczogville	DICI CKIIII	i.c.R							
	loopstad Diere	ekliniek								
Beef: 3										
	nel Veterinary	Clinic								
Beef: 2										
Reitz, Riem	land Dierehos	pitaal								
Beef: 2										
	on, Viljoenskro	oon Diere	kliniek							
Beef: 3										
Villiers, Wilgepoort Dierekliniek Vennootskap										
Beef: 3										
Wesselsbron, Wesselsbron Dierekliniek										
Beef: 1										
Kwazulu-Natal										
Vryheid, Vryheid Privaat Veeartse Beef: 3										
Eastern Cape										
Queenstown, Queenstown Provincial Vet Lab										
Beef: 1										

	nosed positive h	nerd on era	dication pro	ogram					
Western Ca	pe s Veterinary H	osnital							
Sheep: 1	s vetermary n	ospitai							
Ram									
Carri									
Brucella (ovis								_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.3 (4)			2.0 (1)	3.0 (1)
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Sheep					2.3 (4)			2.0 (1)	3.0 (1)
ree State									
	, Platkop Dier	ekliniek							
Sheep: 1	,,								
	rankfort Diere	kliniek							
Sheep: 3									
	Freestate Smit	thfield SV							
Sheep: 2									
•	Dorper rams								
	gepoort Dierel	diniek Ve	nnootskan)					
Sheep: 3	30p00.1 2.0. C.			<u> </u>					
Western Ca	ne								
	est, Beaufort \	Nest State	e Vet						
Sheep: 2	est, Beautione i	TOSE State							
Rams were v	accinated								
Northern Ca									
	ipe Ivinia Veearts	kliniak							
	ivillia veeai ts	KIIIIEK							
Sheep: 3									
Bovine T	uberculosis								
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average			1.0 (1)						
Level of impore reported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Beef			1.0(1)						
impopo									
	Dr Henk Visse	r							
Beef: 1		-							
Johne`s	disease								

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average								1.8 (5)	
Level of impore	ortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than to	en and 3 =	more than 1	10 cases
Sheep								1.8 (5)	
Western Ca	pe							· /	
Caledon, Ca Sheep: 1 Caledon, Ov Sheep: 2	ledon Dierekli erberg Veterii erberg Diereh	nary Hosp							
	(WC), Heidelb	era Diere	kliniek						
Sheep: 1									
	, Malmesbury	Dierehos	pitaal						
Sheep: 2									
Septicaer	nia				_				^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average		1.0(1)				2.0 (1)			3.0 (1)
Level of impore	ortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than to	en and 3 =	more than 1	10 cases
Beef		1.0(1)				2.0(1)			
Sheep									3.0 (1)
•	derstepoort A	cademic I	Hospital aı	nd Prod	uction A	Animal Clinic	C		/
Beef: 1									
Peritonitis Kwazulu-Na	stal								
	zburg, Veterin	arv House	Hospital						
Beef: 2		u.,							
Calves									
Northern Ca									
	Ivinia Veearts	kliniek							
Sheep: 3									
Septicaemia i	n lambs								
E.coli									<u>^</u>
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.5 (4)	1.0 (1)		2.0 (1)	2.5 (11)	2.7 (3)	2.0 (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	1.5 (2)	1.0 (1)	2.0 (1)	2.7 (3)	2.5 (2)			
Dairy				2.0 (2)		2.0 (1)		
Sheep	2.0 (1)			2.5 (6)			2.0 (1)	
Goat	1.0(1)				3.0 (1)			2.0 (1)

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Grootvlei, Grootvlei Dierekliniek

Beef: 2, Sheep: 2

Nelspruit, Nelspruit Animal Hospital

Goat: 1

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 1
North West

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 2
Free State

Bultfontein, Greylingsrust Dierespreekkamer

Sheep: 2

Clocolan, Clocolan Dierekliniek

Beef: 2, Dairy: 2, Sheep: 2

Hertzogville, Hertzogville Dierekliniek

Sheep: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Dairy: 2, Sheep: 3

Viljoenskroon, Viljoenskroon Dierekliniek

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

Estcourt, Estcourt Vet Clinic

Goat: 3

Pietermaritzburg, Veterinary House Hospital

Beef: 2 Calves

Underberg, Underberg Veterinary Surgery

Beef: 3
Eastern Cape

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Dairy: 2

Western Cape

Beaufort West, Beaufort West State Vet

Sheen: 2

Lambs of Dorper ewes that were brought onto the farm recently. In the Merino lambs no deaths. Suspect Dorper lambs were not previously exposed to this *E. coli* strain and lambs did not receive immunity via the colostrum.

Northern Cape

Postmasbur Goat: 2	g, Postmasbu	rg Dierek	iniek						
Enzootic	Abortion								^
	Mpumalanga	Gauteng	Limpopo	North West	Free State		Eastern Cape	Western Cape	Northern Cape
Average	3.0 (1)		2.0 (2)		1.0 (1)		1.7 (3)	1.5 (4)	2.0 (1)
Level of impore	ortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than to	en and 3 =	more than :	10 cases
Beef			2.0(1)				2.0(1)		
Dairy			2.0 (1)						
Sheep	3.0 (1)		2.0 (1)		1.0 (1)		1.5 (2)	1.3 (3)	
Goat								2.0(1)	2.0(1)
Mpumalang	a							- (-)	- (-)
	, Middelburg I	Dierehosp	itaal						
Sheep: 3		•							
Limpopo									
	Pietersburg V	eterinary	Clinic						
Beef: 2, Dairy	r: 2								
Free State									
	Kroonstad Die	rehospita	al						
Sheep: 1									
Eastern Cap			71:! a						
Beef: 2	Port Alfred Ve	eterinary (JIINIC						
Stillbirths - su	spected								
	ı, Queenstowi	n Provinci	al Vet I ah						
Sheep: 2	i, Queenstowi	i riovilici	ai vet Lab						
	Vitelsbos Vete	erinary Co	nsultina R	ooms					
Sheep: 1		, cc							
Western Ca	ре								
	est, Beaufort V	Nest State	e Vet						
Sheep: 1									
-	erberg Veterii	nary Hosp	ital						
Sheep: 2									
	orge Animal H	ospital							
Goat: 2	h Challantass	h Animal	Uoon!t-1						
Sheep: 1	h, Stellenbosc	ıı Anımal	nospitai						
Northern Ca	ine								
	uruman Diere	kliniek							
Goat: 2									
Dermato	ohilosis (Lu	mpy Wo	ol)						^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape

2.0 **Average** (1) Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported 2.0 Sheep (1) **Free State** Ficksburg, Oosvrystaat Diere Produkte Sheep: 2 **Intrauterine Gangrene** Kwazulu-Western North Free Eastern **Northern PROVINCE Mpumalanga Gauteng Limpopo** State Natal West Cape Cape Cape **Average** 2.0(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 Sheep 2.0(1)Goat 2.0(1)2.0(1)**Eastern Cape Graaff-Reinet, Graaff Reinet Veterinary Clinic** Sheep: 2 **Western Cape** Riversdale, Riversdal Dierekliniek Goat: 2 **Northern Cape** Postmasburg, Postmasburg Dierekliniek Goat: 2 **Bovine Dermatophilosis (Senkobo disease)** Kwazulu-Eastern Western Northern North Free **PROVINCE Mpumalanga Gauteng Limpopo** West State Natal Cape Cape Cape **Average** 1.0(2)Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Beef 1.0(2)Kwazulu-Natal **Estcourt, Estcourt Vet Clinic** Beef: 1 Pietermaritzburg, Veterinary House Hospital Beef: 1 Fusibacterium necrophorum

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern
				west	State	INGLGI	Саре	Саре	Саре
Average								2.0 (2)	
Level of imported	ortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than to	en and 3 =	more than	10 cases
Beef								2.0 (1)	
Dairy								2.0 (1)	
Western Ca Malmesbury Beef: 2, Dairy	, Malmesbury	Dierehos	pitaal						
Protozoa	al diseases	(other))						
Besnoitio	sis								^
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 b	ut less than to	en and 3 =	more than	10 cases
Beef		1.0(1)							
Gauteng Pretoria, Or Beef: 1	nderstepoort A	cademic I	lospital a	nd Prodi	uction A	Animal Clinic	C		
Coccidios	sis								^
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)	2.0 (1)		1.6 (5)	1.5 (2)	2.0 (1)
Level of imported	ortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than to	en and 3 =	more than	10 cases
Beef				2.0(1)					
Dairy							1.0 (1)	1.0 (1)	
Sheep		3.0 (1)			2.0 (1)		1.7 (3)	2.0 (1)	
Goat	2.0 (1)	2.0 (1)					2.0 (1)		2.0 (1)
Mpumalang Nelspruit, N Goat: 2	a lelspruit Anima	al Hospita	I						
Gauteng									
-ammanski	raal, Themba <i>A</i>	anımal Cli	nic						

Coote 2									
Goat: 2	adoretonoort A	andomia I	Uoonital a	nd Drad	tion /	Amimal Clini			
	nderstepoort A	Cauemic	поѕрітаі а	na Proa	uction /	Animai Ciini	C		
Sheep: 3									
North West									
	stad, Leeudori	ingstad Di	erekiiniek						
Beef: 2									
Free State									
	Rowelsfonteir	ı veearts	Spreekkan	ner					
Sheep: 2									
Eastern Cap									
	State Vet Cofi	mvaba							
Sheep: 2			on .						
	et, Graaff Rei	net Veteri	nary Clinic	3					
Goat: 2									
	p, Humansdor	p Veterin	ary Clinic						
Dairy: 1									
	n, Queenstow	n Provinci	al Vet Lab						
Sheep: 2									
	Witelsbos Vete	erinary Co	nsulting R	looms					
Sheep: 1									
Western Ca	-	_							
	(WC), Heidelb	erg Diere	kliniek						
Dairy: 1									
	Riversdal Die	rekliniek							
Sheep: 2									
Northern Ca	-								
	Kuruman Diere	kliniek							
Goat: 2									
Craratecan	ovidium								_
Cryptosp	oridium								^
Cryptosp	oridium				_	., .		l	^
	<i>oridium</i> Mpumalanga	Gauteng	Limpopo	North		Kwazulu-			
		Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
		Gauteng	Limpopo		State				
PROVINCE		Gauteng	Limpopo	West	State 2.0	Natal	Саре	Cape	
		Gauteng	Limpopo		State 2.0		Саре		
PROVINCE		Gauteng	Limpopo	West	State 2.0	Natal	Саре	Cape	
PROVINCE Average				West 3.0 (1)	2.0 (3)	Natal 1.7 (3)	Cape 1.0 (1)	2.0 (1)	Саре
PROVINCE Average	Mpumalanga			West 3.0 (1)	2.0 (3)	Natal 1.7 (3)	Cape 1.0 (1)	2.0 (1)	Саре
PROVINCE Average Level of impositions	Mpumalanga			West 3.0 (1)	2.0 (3) e case b	Natal 1.7 (3)	Cape 1.0 (1)	2.0 (1)	Саре
PROVINCE Average Level of impreported	Mpumalanga			West 3.0 (1)	2.0 (3) e case b	Natal 1.7 (3) out less than t	Cape 1.0 (1)	Cape 2.0 (1) more than	Саре
PROVINCE Average Level of impositions	Mpumalanga			West 3.0 (1)	2.0 (3) e case b	Natal 1.7 (3)	Cape 1.0 (1)	2.0 (1)	Саре
PROVINCE Average Level of impreported Beef	Mpumalanga			West 3.0 (1)	2.0 (3) e case b 2.0 (1)	Natal 1.7 (3) out less than t	1.0 (1) en and 3 =	Cape 2.0 (1) more than	Саре
PROVINCE Average Level of impreported	Mpumalanga			West 3.0 (1)	2.0 (3) e case b 2.0 (1) 2.0	Natal 1.7 (3) out less than t	Cape 1.0 (1)	Cape 2.0 (1) more than	Саре
PROVINCE Average Level of impreported Beef	Mpumalanga			West 3.0 (1)	2.0 (3) e case b 2.0 (1) 2.0 (1)	Natal 1.7 (3) out less than t	1.0 (1) en and 3 =	Cape 2.0 (1) more than	Саре
PROVINCE Average Level of impreported Beef Dairy	Mpumalanga			West 3.0 (1)	2.0 (3) e case b 2.0 (1) 2.0	Natal 1.7 (3) out less than t	1.0 (1) en and 3 =	Cape 2.0 (1) more than	Саре
PROVINCE Average Level of impreported Beef	Mpumalanga			West 3.0 (1)	2.0 (3) e case b 2.0 (1) 2.0 (1) 2.0	Natal 1.7 (3) out less than t	1.0 (1) en and 3 =	Cape 2.0 (1) more than	Саре
PROVINCE Average Level of impreported Beef Dairy Sheep	Mpumalanga			West 3.0 (1) e than on	2.0 (3) e case b 2.0 (1) 2.0 (1) 2.0 (1)	Natal 1.7 (3) out less than t	1.0 (1) en and 3 =	Cape 2.0 (1) more than	Саре
PROVINCE Average Level of impreported Beef Dairy Sheep Goat	Mpumalanga ortance scale: 1			West 3.0 (1)	2.0 (3) e case b 2.0 (1) 2.0 (1) 2.0 (1)	Natal 1.7 (3) out less than t	1.0 (1) en and 3 =	Cape 2.0 (1) more than	Саре
PROVINCE Average Level of impreported Beef Dairy Sheep Goat North West	Mpumalanga ortance scale: 1	= one case		West 3.0 (1) e than on	2.0 (3) e case b 2.0 (1) 2.0 (1) 2.0 (1)	Natal 1.7 (3) out less than t	1.0 (1) en and 3 =	Cape 2.0 (1) more than	Саре
PROVINCE Average Level of impreported Beef Dairy Sheep Goat North West Vryburg, Vr	Mpumalanga ortance scale: 1	= one case		West 3.0 (1) e than on	2.0 (3) e case b 2.0 (1) 2.0 (1) 2.0 (1)	Natal 1.7 (3) out less than t	1.0 (1) en and 3 =	Cape 2.0 (1) more than	Саре
PROVINCE Average Level of impreported Beef Dairy Sheep Goat North West Vryburg, Vr Goat: 3	Mpumalanga ortance scale: 1	= one case		West 3.0 (1) e than on	2.0 (3) e case b 2.0 (1) 2.0 (1) 2.0 (1)	Natal 1.7 (3) out less than t	1.0 (1) en and 3 =	Cape 2.0 (1) more than	Саре
PROVINCE Average Level of impreported Beef Dairy Sheep Goat North West Vryburg, Vr Goat: 3 Free State	Mpumalanga ortance scale: 1 yburg Diereho	= one case		West 3.0 (1) e than on	2.0 (3) e case b 2.0 (1) 2.0 (1) 2.0 (1)	Natal 1.7 (3) out less than t	1.0 (1) en and 3 =	Cape 2.0 (1) more than	Саре
PROVINCE Average Level of impreported Beef Dairy Sheep Goat North West Vryburg, Vr Goat: 3 Free State Clocolan, Cl	Mpumalanga ortance scale: 1	= one case		West 3.0 (1) e than on	2.0 (3) e case b 2.0 (1) 2.0 (1) 2.0 (1)	Natal 1.7 (3) out less than t	1.0 (1) en and 3 =	Cape 2.0 (1) more than	Саре

Kwazulu-Natal **Bergville, Bergville Veterinary Clinic** Beef: 2 **Kokstad, E.G.Veterinary Services** Beef: 2 In one herd of calves **Pietermaritzburg, Veterinary House Hospital** Beef calves **Eastern Cape Humansdorp, Humansdorp Veterinary Clinic** Dairy: 1 **Western Cape Darling, Tygerberg Dierehospitaal Darling** Beef: 2 **Fungal diseases** Ringworm Kwazulu-North Free Eastern Western Northern **PROVINCE Mpumalanga Gauteng Limpopo** West State Natal Cape Cape Cape 2.0 3.0(2)3.0 (1) 2.0(1)**Average** 1.0(2)2.0(2)1.8(4)Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported 2.0 3.0(1)2.0(1)Beef 1.0(2)2.0(2)3.0(1) 1.7 (3) (6)Dairy 2.0(1)2.0 Sheep (1) Mpumalanga **Balfour, Balfour Dierekliniek** Beef: 1 **Nelspruit, Nelspruit Animal Hospital** Beef: 1 Gauteng Hammanskraal, Themba Animal Clinic **Pretoria, Anima Veterinary Consulting Rooms** Beef: 2 **North West Brits, Brits Dierekliniek**

Christiana, Christiana Dierehospitaal

Beef: 3 Free State

Bultfontein, Greylingsrust Dierespreekkamer

Beef: 2

Dewetsdorp, Platkop Dierekliniek

Calves Sheep: 2

Ficksburg, Oosvrystaat Diere Produkte

Beef: 2

Kroonstad, Kroonstad Dierehospitaal

Beef: 1

Philippolis, Rowelsfontein veearts Spreekkamer

Beef: 1

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3

Kwazulu-Natal

Underberg, Underberg Veterinary Surgery

Beef: 3

Eastern Cape

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Beef: 2

Western Cape

Caledon, Overberg Veterinary Hospital

Beef: 2, Dairy: 2

Oudtshoorn, Oudtshoorn Dierekliniek

Beef: 1

Riversdale, Riversdal Dierekliniek

Beef: 2

Viral Diseases (other)

вмс									<u>^</u>
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average			2.0 (2)	1.0 (3)	1.0 (1)	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

Beef	2.0 (2)	1.0 (1)	1.0 (1)	2.0 (1)	1.0 (1)	1.0 (1)	
Dairy		1.0(2)					

Limpopo

Makhado, Blouberg Dierekliniek

Beef: 2 Four cases

Mokopane, Dr Henk Visser

Beef: 2 North West

Brits, Brits Dierekliniek

Dairy: 1

Stella, Stella Dierekliniek

Dairy: 1

Vryburg, Vryburg Dierehospitaal

Beef: 1
Free State

Hertzoavilla	e, Hertzogville	Diereklin	iek						
Beef: 1	, i lei tzogville	DICI CKIIII	ICK						
Kwazulu-Na	tal								
	Mtubatuba Aı	nimal Clin	ic						
Beef: 2	Mudatuba Ai	IIIIIai Ciiii	ic .						
Eastern Cap	P								
-	Riverview Tra	dina Vet	Consulting	Service	·c				
Beef: 1	KIVEI VIEW II a	unig vet	Consuming	Jei Vice					
Western Ca	ne								
	jerberg Dierel	ospitaal I	Darling						
Beef: 1	,								
Suspected									
Rabies									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State		Eastern Cape	Western Cape	Northern Cape
Average				1.0 (2)			1.0 (1)		
Level of imported	ortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than to	en and 3 =	more than	10 cases
Beef				1.0(2)			1.0(1)		
Beef: 1 Eastern Cap Queenstown Beef: 1 Case from Mt	n, Queenstow	n Provinci							
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State		Eastern Cape	Western Cape	Northern Cape
Average			1.0 (1)	1.0 (1)				1.0 (1)	3.0 (1)
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than to	en and 3 =	more than	10 cases
Beef			1.0(1)	1.0 (1)				1.0(1)	3.0 (1)
Beef: 1 North West	Pietersburg V		Clinic						
Beef: 1									
Beef: 1 Western Ca	pe Piketberg Dier	ehospitaa	I						

Postmasbur Beef: 3	rg, Postmasbu	rg Dierek	iniek						
IBR (Infe	ectious bovi	ne rhino	tracheit	is)					^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average			1.0 (1)			1.5 (2)	2.0 (1)	3.0 (1)	
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than 1	10 cases
Beef			1.0(1)			1.5 (2)	2.0 (1)		
Dairy								3.0 (1)	
Limpopo									
Polokwane,	Pietersburg V	eterinary	Clinic						
Beef: 1									
Kwazulu-Na									
Beef: 2	ugela Vet Clini	С							
	Underberg Ve	terinary S	Surgery						
Beef: 1	Onderberg ve	cermary 5	urgery						
Eastern Cap	e								
Port Alfred,	Port Alfred Ve	terinary (Clinic						
Beef: 2									
	ispected, Langh	olm (7) and	d Port Alfred	1 (5)					
Western Ca	-	•							
Dairy: 3	y, Dr Otto Krie	K							
	of animals with	clear muc	ous dischard	ne from r	ostrils a	re increasing	slightly as	is expected a	at this time
of year.		0.00.		,			og, ao	.o cripotica	
Enzootic	Bovine Leuc	cosis (El	BL)						^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average				1.0 (1)			1.0 (3)	1.7 (3)	
Level of imported	ortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than t	en and 3 =	more than 1	10 cases
Beef				1.0(1)			1.0(1)	2.0(1)	
Dairy							1.0(2)	1.5 (2)	
North West									
	, Dr CM Kruge	r-Rall							
Beef: 1									
Eastern Cap									
Alexandria, Beef: 1	Alexandria Pla	atteland S	preekkam	er					
	p, Humansdor	n Veterin:	ary Clinic						
Dairy: 1	p, Hamanaudi	P TCLEIIII	a. y Chilic						
	ast, Bosberg V	eterinary	Clinic						

Dairy: 1									
Western Ca									
	,, Malmesbury	Dierehos	pitaal						
Dairy: 2	h C tallambaaa	l. A							
Stellenbosc Dairy: 1	h, Stellenbosc	n Animai	ноѕрітаі						
	Durban Straat	Diereklin	iek Worce	ster					
Beef: 2	Darban Scraac	DICICKIII	IICK WOICC	JUI					
Januaria la									
Jaagsiekt	e								_
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 b	ut less than to	en and 3 =	more than :	10 cases
Sheep		1.0(1)							
Gauteng		(-)							
	spruit, Kerkstr	aat Diere	kliniek						
Sheep: 1	·								
Orf									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West			Eastern Cape	Western Cape	Northern Cape
Average	1.0 (2)	1.0 (1)		2.3 (4)	1.7 (6)	2.0 (2)	2.0 (3)	2.0 (2)	2.5 (2)
Level of imported	ortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than to	en and 3 =	more than :	10 cases
Sheep	1.0 (1)			2.0 (2)	1.8 (5)	2.0 (1)	2.0 (1)	2.0 (2)	2.0 (1)
Goat	1.0 (1)	1.0 (1)		2.5 (2)	1.0 (1)	2.0 (1)	2.0 (2)		3.0 (1)
Mpumalang									
	four Diereklin	iek							
Sheep: 1									
Nelspruit, N Goat: 1	elspruit Anima	aı Hospita	l .						
Goat: 1 Gauteng									
	raal, Themba A	Animal Cli	nic						
Goat: 1	,								
North West									
	Christiana Die	rehospita	al						
Sheep: 2	Vlaukada D'	orob''							
Klerksdorp, Sheep: 2, Go	Klerksdorp Di	erenospit	aaı						
	yburg Diereho	spitaal							
Goat: 3	,	- p. 10001							

Free State	
Hertzogville, Hertzogville Dierekliniek	
Sheep: 2	
Kroonstad, Kroonstad Dierehospitaal	
Sheep: 2	
Philippolis, Rowelsfontein veearts Spreekkamer	
Sheep: 2	
Viljoenskroon, Viljoenskroon Dierekliniek	
Sheep: 1, Goat: 1	
Villiers, Wilgepoort Dierekliniek Vennootskap	
Sheep: 2	
Kwazulu-Natal	
Estcourt, Estcourt Vet Clinic	
Goat: 2	
Underberg, Underberg Veterinary Surgery	
Sheep: 2	
Eastern Cape	
Port Alfred, Port Alfred Veterinary Clinic	
Goat: 3	
Martindale	
Queenstown, Queenstown Provincial Vet Lab	
Goat: 1	
Witelsbos, Witelsbos Veterinary Consulting Rooms	
Sheep: 2	
Western Cape	
Malmesbury, Malmesbury Dierehospitaal	
Sheep: 2	
Piketberg, Piketberg Dierehospitaal	
Sheep: 2	
Northern Cape	
Postmasburg, Postmasburg Dierekliniek	
Goat: 3	
Upington, Upington Veeartsenykliniek	
Sheep: 2	
r	
Warts	^
	^
Warts PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu- Rastern Cape Cape Cape	
PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu- Rastern Cape Cape Cape Average 1.0 (1) 2.0 1.7 (3) 1.0 (1) 2.0 (1) 3.0	0 (1)
Warts PROVINCE Mpumalanga Gauteng Limpopo North West Free State Kwazulu-Natal Eastern Cape Western Cape Nort Cape Average $1.0 (1)$ $\frac{2.0}{(3)}$ $1.7 (3)$ $1.0 (1)$ $2.0 (1)$ $3.0 (1)$ Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 case reported $2.0 (1)$ $3.0 (1)$	0 (1)
Warts PROVINCE Mpumalanga Gauteng Limpopo North West Free State Kwazulu-Natal Eastern Cape Western Cape Average $1.0 (1)$ $\frac{2.0}{(3)}$ $1.7 (3)$ $1.0 (1)$ $2.0 (1)$ $3.0 (1)$ Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 case reported Reef $1.0 (1)$ 2.0 $1.7 (3)$ $1.0 (1)$ $2.0 (1)$ $3.0 (1)$) (1) es
PROVINCE Mpumalanga Gauteng Limpopo North West Free State Natal Eastern Cape Cape Nort Cape 1.0 (1) 2.0 (3) 1.7 (3) 1.0 (1) 2.0 (1) 3.0 Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 case reported 8eef 1.0 (1) 2.0 (2) 1.7 (3) 1.0 (1) 2.0 (1) 3.0 Sheep 2.0 (1)) (1) es
WartsPROVINCEMpumalangaGautengLimpopoNorth WestFree StateKwazulu-NatalEastern CapeWestern CapeNort CapeAverage $1.0 (1)$ 2.0 (3) $1.7 (3)$ $1.0 (1)$ $2.0 (1)$ 3.0 Level of importance scale: $1 =$ one case, $2 =$ more than one case but less than ten and $3 =$ more than 10 case reportedBeef $1.0 (1)$ 2.0 (2) $1.7 (3)$ $1.0 (1)$ $2.0 (1)$ 3.0 Sheep) (1) es
PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu- Cape Cape Nort Cape 1.0 (1) 2.0 (3) 1.7 (3) 1.0 (1) 2.0 (1) 3.0 Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 case reported Beef 1.0 (1) 2.0 (2) 1.7 (3) 1.0 (1) 2.0 (1) 3.0 Sheep 2.0 (1)) (1) es

Rultfontoin	Greylingsrust	Diorocar	ookkamor						
Beef: 1	Greynnigsrusi	. Diei espi	CCKKaiiici						
	, Hertzogville	Dioroklin	iak						
Sheep: 2	e, nertzogville	Dierekiiii	iek						
	, Dr. Wyn Irw	in							
Beef: 3	, Di. Wyli IIW	111							
	ts around the fa	200							
Kwazulu-Na		ace							
		.i.a							
Beef: 1	tcourt Vet Clir	IIC							
	Ncanduvet Ne	wesetle							
Beef: 1	incanduvet ine	wcastie							
	zburg, Veterin	ary House	Hoenital						
Beef: 3	zburg, veteriii	ary mouse	z Hospitai						
	erds - constant	iccuo							
Eastern Cap		issuc							
_	e Vitelsbos Vete	rinary Co	ncultina D	oome					
Beef: 1	viteisbos vete	illiary Co	iisuitiiig N	COIIIS					
Western Ca	ne								
	pe Jerberg Diereh	osnitaal I	Darling						
Beef: 2	crocig Dielei	Jospitaai I	- arming						
Northern Ca	ine								
	Kimberley Die	rekliniek							
Beef: 3	difficulty bic	CKIIIICK							
Deer. 5									
Rota viru	S					_			_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average						2.0 (1)		2.0 (1)	
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than to	en and 3 =	more than	10 cases
Beef						2.0(1)			
Dairy						2.0 (1)		2.0(1)	
-								2.0 (1)	
Kwazulu-Na		•							
	3.Veterinary S	ervices							
Beef: 2									
Two herds									
Western Ca		D !	1-1::1-						
	(WC), Heidelb	erg Diere	кипіек						
Dairy: 2									
Corona V	irus								_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average						2.0 (1)			
Level of impo	ortance scale: 1	- one case	2 – more	than on	o caco h	ut loss than t	on and 2 –	more than	10 casos

Beef						2.0(1)			
Kwazulu-Na	ntal								
	G.Veterinary S	ervices							
Beef: 2 Two herds									
	al disease n	ot listed	ı						_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average								3.0 (1)	
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than to	en and 3 =	more than	10 cases
Beef								3.0 (1)	
Western Ca									
Worcester, Beef: 3	Durban Straat	Diereklin	iek Worce	ster					
	ge (Dlant)	and E	a a a l						
Poisonin	gs (Plant)	апа ғи	ngai						
Cardiac g	lycoside po	isoning							^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average							1.0 (1)	1.3 (3)	
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than to	en and 3 =	more than	10 cases
Beef								1.0(2)	
Sheep							1.0(1)	2.0 (1)	
Eastern Cap	oe .								
	n, Queenstow	n Provinci	al Vet Lab						
Sheep: 1 Western Ca	pe								
Beaufort W	est, Beaufort I	Diereklinie	ek						
Beef: 1	ash Dagustanti	Noch Ctr:	- V-t						
Beautort we Beef: 1, Shee	est, Beaufort \ ep: 2	west State	e vet						
Cestrum									_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average		2.0 (1)					1.0 (2)		
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than to	en and 3 =	more than	10 cases

Beef		2.0(1)							
Sheep		, ,					1.0(2)		
Gauteng								_	
	spruit, Kerkstr	aat Diere	kliniek						
Beef: 2									
Eastern Cap		•							
Cofimvaba, Sheep: 1	State Vet Cofi	mvaba							
	y not able to di	fferentiate	hetween it	or acute	Senecios	sis Both nres	ent in area		
	n, Queenstow				50,,00,00	olor Boar pres	ciic iii ai ca		
Sheep: 1	<u>, </u>								
Could be Sen	ecio. Histopatho	logy could	not differer	ntiate and	d both p	resent in area	a.		
Cynanchu	um poisonin	ıg							_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State		Eastern Cape	Western Cape	Northern Cape
Average								2.0 (1)	
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than :	10 cases
								2.0(1)	
Sheep								4.0 (1)	
Sheep Western Ca	ne							2.0 (1)	
Western Ca		ekliniek						2.0 (1)	
Western Ca	pe Riversdal Dier	ekliniek						2.0 (1)	
Western Ca Riversdale,	Riversdal Dier	rekliniek						2.0 (1)	_
Western Ca Riversdale, Sheep: 2 Facial eco	Riversdal Dier		Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Western Ca Riversdale, Sheep: 2 Facial eco	Riversdal Dier		Limpopo					Western	
Western Ca Riversdale, Sheep: 2 Facial ecz PROVINCE	Riversdal Dier	Gauteng		West	1.0 (1)	Natal	Cape	Western Cape 1.0 (3)	Саре
Western Ca Riversdale, Sheep: 2 Facial ecz PROVINCE Average	Riversdal Dier zema Mpumalanga	Gauteng		West	1.0 (1)	Natal	Cape	Western Cape 1.0 (3)	Саре
Western Ca Riversdale, Sheep: 2 Facial ecz PROVINCE Average Level of imporeported	Riversdal Dier zema Mpumalanga	Gauteng		West	1.0 (1) e case b	Natal	Cape	Western Cape 1.0 (3) more than 1.0 (1)	Саре
Western Ca Riversdale, Sheep: 2 Facial eco PROVINCE Average Level of imporeported Beef Dairy	Riversdal Dier zema Mpumalanga	Gauteng		West	1.0 (1) e case b	Natal	Cape	Western Cape 1.0 (3) more than : 1.0 (1) 1.0 (1)	Саре
Western Ca Riversdale, Sheep: 2 Facial ecz PROVINCE Average Level of imporeported Beef Dairy Sheep	Riversdal Dier zema Mpumalanga	Gauteng		West	1.0 (1) e case b	Natal	Cape	Western Cape 1.0 (3) more than 1.0 (1)	Саре
Western Ca Riversdale, Sheep: 2 Facial ecc PROVINCE Average Level of imporeported Beef Dairy Sheep Free State Ficksburg, Care	Riversdal Dier zema Mpumalanga	Gauteng = one case	e, 2 = more	West	1.0 (1) e case b	Natal	Cape	Western Cape 1.0 (3) more than : 1.0 (1) 1.0 (1)	Саре
Western Ca Riversdale, Sheep: 2 Facial eco PROVINCE Average Level of imporeported Beef Dairy Sheep Free State Ficksburg, C Beef: 1	Riversdal Dier Zema Mpumalanga Ortance scale: 1	Gauteng = one case	e, 2 = more	West	1.0 (1) e case b	Natal	Cape	Western Cape 1.0 (3) more than : 1.0 (1) 1.0 (1)	Саре
Western Ca Riversdale, Sheep: 2 Facial eco PROVINCE Average Level of imporeported Beef Dairy Sheep Free State Ficksburg, Ca Beef: 1 Western Ca	Riversdal Dier Zema Mpumalanga Ortance scale: 1	Gauteng = one case	e, 2 = more	West	1.0 (1) e case b	Natal	Cape	Western Cape 1.0 (3) more than : 1.0 (1) 1.0 (1)	Саре
Western Ca Riversdale, Sheep: 2 Facial ecz PROVINCE Average Level of imporeported Beef Dairy Sheep Free State Ficksburg, Ca Beef: 1 Western Ca Beaufort We Sheep: 1	Riversdal Dier Zema Mpumalanga Ortance scale: 1 Dosvrystaat Dier	Gauteng = one case ere Produ	e, 2 = more	West	1.0 (1) e case b	Natal	Cape	Western Cape 1.0 (3) more than : 1.0 (1) 1.0 (1)	Саре
Western Ca Riversdale, Sheep: 2 Facial ecz PROVINCE Average Level of imporeported Beef Dairy Sheep Free State Ficksburg, Ca Beef: 1 Western Ca Beaufort Western Ca Beaufort Western Ca Heidelberg	Riversdal Dier Zema Mpumalanga Ortance scale: 1 Dosvrystaat Dier pe est, Beaufort V (WC), Heidelb	Gauteng = one case ere Produ	e, 2 = more	West	1.0 (1) e case b	Natal	Cape	Western Cape 1.0 (3) more than : 1.0 (1) 1.0 (1)	Саре
Western Ca Riversdale, Sheep: 2 Facial ecz PROVINCE Average Level of imporeported Beef Dairy Sheep Free State Ficksburg, Ca Beef: 1 Western Ca Beaufort We Sheep: 1	Riversdal Dier Zema Mpumalanga Ortance scale: 1 Dosvrystaat Dier pe est, Beaufort V (WC), Heidelb	Gauteng = one case ere Produ	e, 2 = more	West	1.0 (1) e case b	Natal	Cape	Western Cape 1.0 (3) more than : 1.0 (1) 1.0 (1)	Саре

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					3.0 (1)		2.0 (1)		
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Sheep					3.0 (1)		2.0 (1)		
Free State									
Hoopstad, H	loopstad Diere	ekliniek							
Sheep: 3									
Eastern Cap									
	Witelsbos Vete	erinary Co	nsulting R	ooms					
Sheep: 2									
Gifblaar									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average		2.0 (1)							
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Beef		2.0(1)							
Gauteng									
	spruit, Kerkstr	aat Dierel	kliniek						
Lantana									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average			3.0 (1)			2.0 (2)			
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Beef			3.0 (1)			2.0 (2)			
Limpopo	lassbare B'	- :							
Makhado, B Beef: 3	louberg Diere	KIINIEK							
	n due to poor gr	azina cond	itions						
Huge problem Kwazulu-Na		azing cond	100113						
	ergville Veteri	narv Clini	С						
Beef: 2	<u> </u>	, 5							
	tcourt Vet Clir	nic							

				North	Free	Kwazulu-	Eastern	Western	Northern
PROVINCE	Mpumalanga	Gauteng	Limpopo	West	State		Cape	Cape	Cape
Average							2.0 (1)		
Level of imp reported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Sheep							2.0(1)		
astern Cap									
Graaff-Rei n Gheep: 2	et, Graaff Reir	net Veteri	nary Clinic	<u> </u>					
	:-								
Senecios	IS								
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northerr Cape
Average							1.5 (2)		
								•	
	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
reported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and $3 = 1.5(2)$	more than	10 cases
reported Sheep Eastern Cap	ре		e, 2 = more	than on	e case b	ut less than t		more than	10 cases
reported Sheep Eastern Cap Cofimvaba,			e, 2 = more	e than on	e case b	ut less than t		more than	10 cases
Reported Sheep Eastern Cap Cofimvaba, Sheep: 1 Histopathology	oe State Vet Cofi gy not able to di	mvaba	between Se	eneciosis			1.5 (2)	more than	10 cases
reported Sheep Sastern Cap Cofimvaba, Sheep: 1 Histopatholog Queenstow	oe State Vet Cofi	mvaba	between Se	eneciosis			1.5 (2)	more than	10 cases
ceported castern Cap cofimvaba, cheep: 1 distopatholog queenstow cheep: 2	oe State Vet Cofi gy not able to di	mvaba fferentiate n Provinci	between Se al Vet Lab	eneciosis	or acute	. <i>Cestrum</i> . Bo	1.5 (2) th in area	more than	10 cases
ceported castern Cap cofimvaba, cheep: 1 distopatholog Queenstow cheep: 2 One chronic	State Vet Cofi gy not able to di n, Queenstown	mvaba fferentiate n Provinci	between Se al Vet Lab	eneciosis	or acute	. <i>Cestrum</i> . Bo	1.5 (2) th in area	more than	10 cases
Sheep Sastern Cap Cofimvaba, Sheep: 1 Histopatholog Queenstow Sheep: 2 One chronic	State Vet Cofi gy not able to di n, Queenstown	mvaba fferentiate n Provinci is one hist	between Se al Vet Lab copath could	eneciosis	or acute	e <i>Cestrum</i> . Bo	1.5 (2) th in area		
Sheep Sastern Cap Cofimvaba, Sheep: 1 Histopatholog Queenstow Sheep: 2 One chronic	State Vet Cofingy not able to dispute the control of the control o	mvaba fferentiate n Provinci is one hist	between Se al Vet Lab copath could	eneciosis d not diff	or acute erentiate Free State	e <i>Cestrum</i> . Bo	1.5 (2) th in area r Cestrum Eastern	Western Cape	Northern
Sheep Sastern Cap Cofimvaba, Sheep: 1 Histopatholog Queenstow Sheep: 2 One chronic Tulip Poi PROVINCE Average Level of imp	State Vet Cofingy not able to disput not able to di	mvaba fferentiate n Provinci is one hist Gauteng 3.0 (1)	between Se al Vet Lab copath could	eneciosis d not diff North West 2.5 (4)	Free State	e Cestrum. Bo e if Senecio o Kwazulu- Natal 2.0 (6)	th in area r Cestrum Eastern Cape 2.0 (2)	Western Cape 2.1 (7)	Norther Cape
Sheep Eastern Cap Cofimvaba, Sheep: 1 Histopatholog Queenstow Sheep: 2 One chronic Tulip Point PROVINCE Average Level of impreported	State Vet Cofingy not able to dispersion, Queenstown case. Other case soning Mpumalanga 2.0 (2)	mvaba fferentiate n Provinci is one hist Gauteng 3.0 (1)	between Se al Vet Lab copath could	eneciosis d not diff North West 2.5 (4)	Free State 2.0 (6) e case b	e Cestrum. Bo e if Senecio o Kwazulu- Natal 2.0 (6)	th in area r Cestrum Eastern Cape 2.0 (2)	Western Cape 2.1 (7)	Norther Cape
Sheep Sastern Cap Cofimvaba, Sheep: 1 Histopatholog Queenstow Sheep: 2 One chronic Tulip Point PROVINCE Average Level of impreported Seef	State Vet Cofingy not able to dimented in the case of	mvaba fferentiate n Provinci is one hist Gauteng 3.0 (1) = one case	between Se al Vet Lab copath could	North West 2.5 (4)	Free State 2.0 (6) e case b	E Cestrum. Book if Senecio of Kwazulu-Natal 2.0 (6) ut less than to	th in area r Cestrum Eastern Cape 2.0 (2)	Western Cape 2.1 (7) more than	Northeri Cape
Sheep Sastern Cap Cofimvaba, Sheep: 1 Histopatholog Queenstow Sheep: 2 One chronic Tulip Poi	State Vet Cofingy not able to dimented in the case of	mvaba fferentiate n Provinci is one hist Gauteng 3.0 (1) = one case	between Se al Vet Lab copath could	North West 2.5 (4)	Free State 2.0 (6) e case b	E Cestrum. Book if Senecio of Kwazulu-Natal 2.0 (6) ut less than to	th in area r Cestrum Eastern Cape 2.0 (2) en and 3 =	Western Cape 2.1 (7) more than 2.2 (5)	Northeri Cape

Beef: 2 Gautena **Bronkhorstspruit, Kerkstraat Dierekliniek** Beef: 3 North West Klerksdorp, Buffeldoorn Dierehospitaal Beef: 3 Klerksdorp, Klerksdorp Dierehospitaal Beef: 2 Leeudoringstad, Leeudoringstad Dierekliniek Vryburg, Vryburg Dierehospitaal Beef: 3 **Free State** Hertzogville, Hertzogville Dierekliniek Kroonstad, Kroonstad Dierehospitaal Beef: 1 **Memel, Memel Veterinary Clinic** Beef: 2 Reitz, Riemland Dierehospitaal Beef: 2 Viljoenskroon, Viljoenskroon Dierekliniek Villiers, Wilgepoort Dierekliniek Vennootskap Beef: 2 Kwazulu-Natal **Bergville, Bergville Veterinary Clinic** Bergville, Tugela Vet Clinic Beef: 2 **Kokstad, E.G.Veterinary Services** Beef: 2 **Mooi River, Mooirivier Vet Clinic** Beef: 2 **Newcastle, Ncanduvet Newcastle** Beef: 1 **Underberg, Underberg Veterinary Surgery** Beef: 3 Emerging farmers grazing river lands **Eastern Cape Graaff-Reinet, Graaff Reinet Veterinary Clinic** Sheep: 2 Somerset East, Bosberg Veterinary Clinic Dairy: 2 Adult dairy cows eating plants on the edge of a centre pivot **Western Cape Caledon, Caledon Dierekliniek** Beef: 2 Caledon, Overberg Veterinary Hospital Beef: 2, Dairy: 2 **Darling, Tygerberg Dierehospitaal Darling** Malmesbury, Malmesbury Dierehospitaal

Sheep: 2

Piketberg, Piketberg Dierehospitaal										
Beef: 3 Stellenbosch, Stellenbosch Animal Hospital										
Beef: 1	n, Stellenbosc	n Animai	Hospitai							
Mycotoxi	cosis								^	
PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu- Cape Cape Cape Cape										
Average								2.0 (1)		
Level of imported	Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Dairy								2.0 (1)		
Western Ca	ре									
	, Malmesbury	Dierehos	pitaal							
Dairy: 2										
Diplodios	is								<u>^</u>	
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average					2.0 (2)	1.0 (1)				
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases	
Beef					2.0 (1)	1.0 (1)				
Sheep					2.0 (1)					
Free State										
	ocolan Dierek	liniek								
Beef: 2, Shee										
Kwazulu-Na	ital ergville Veteri	nany Clini								
Beef: 1	cigville veteri	ilai y Ciiili								
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 on	e case b	ut less than t	en and 3 =	more than	10 cases	
Goat							2.0 (1)			
Eastern Cap	e									
	-									

Goat: 2			nary Clinic						
Selonsroos, A	Verium oleander	•							
Poisonin									
Water co	ntamination	1							_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average			1.0 (1)	1.0 (1)					
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Beef				1.0(1)					
Goat			1.0(1)		•				
Limpopo Mokopane, I Goat: 1	Dr Henk Visse	r							
North West	Christiana Die	rehospita	al						
Urea Pois	soning								_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern
							Сарс	Cupc	Cape
Average				1.0 (1)	1.0 (1)	2.0 (1)	Саре	Сарс	Саре
Level of impo	ortance scale: 1	= one case	e, 2 = more		(1)	2.0 (1)			
Level of imporeported	ortance scale: 1	= one case	e, 2 = more		(1)	2.0 (1)			
Average Level of imporeported Beef Sheep	ortance scale: 1	= one case	e, 2 = more		(1) e case by 1.0 (1)	2.0 (1) ut less than to			
Level of impore reported Beef Sheep North West				than one	(1) e case by 1.0 (1)	2.0 (1) ut less than to			
Level of impore reported Beef Sheep North West Klerksdorp,				than one	(1) e case by 1.0 (1)	2.0 (1) ut less than to			
Level of impore reported Beef Sheep North West Klerksdorp, Sheep: 1				than one	(1) e case by 1.0 (1)	2.0 (1) ut less than to			
Level of impore reported Beef Sheep North West Klerksdorp, Sheep: 1 Free State		erehospit		than one	(1) e case by 1.0 (1)	2.0 (1) ut less than to			
Level of impore reported Beef Sheep North West Klerksdorp, Sheep: 1 Free State Reitz, Rieml Beef: 1	Klerksdorp Di land Dierehos	erehospit		than one	(1) e case by 1.0 (1)	2.0 (1) ut less than to			
Level of impore reported Beef Sheep North West Klerksdorp, Sheep: 1 Free State Reitz, Rieml Beef: 1 Kwazulu-Na	Klerksdorp Di land Dierehos	erehospit pitaal		than one	(1) e case by 1.0 (1)	2.0 (1) ut less than to			
Level of impore reported Beef Sheep North West Klerksdorp, Sheep: 1 Free State Reitz, Rieml Beef: 1 Kwazulu-Na Bergville, Tu	Klerksdorp Di land Dierehos	erehospit pitaal		than one	(1) e case by 1.0 (1)	2.0 (1) ut less than to			
Level of impore reported Beef Sheep North West Klerksdorp, Sheep: 1 Free State Reitz, Rieml Beef: 1 Kwazulu-Na	Klerksdorp Di land Dierehos ntal ugela Vet Clini	erehospit pitaal		than one	(1) e case by 1.0 (1)	2.0 (1) ut less than to			

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)

Western Cape

Beaufort West, Beaufort West State Vet

Sheep: 1

Area where toxicity occurs regularly

Macro Nutritional Problems									
Energy deficiency									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.3 (3)	2.5 (2)	2.0 (6)	2.5 (4)	2.0 (8)	2.2 (5)	2.3 (10)	2.0 (3)	2.3 (4)
Level of impore	ortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than t	en and 3 =	more than 1	10 cases
Beef	1.5 (2)	2.0 (1)	2.0 (2)	2.3 (3)	2.2 (5)	2.3 (4)	3.0 (2)	2.0 (1)	2.0 (1)
Dairy								2.0 (1)	
Sheep	1.0 (1)		2.0 (2)		2.0 (2)	2.0 (1)	2.0 (6)	2.0 (1)	2.5 (2)
Goat 3.0 (1) 2.0 (2) 3.0 (1) 1.0 (1) 2.5 (2)									

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1, Sheep: 1

Nelspruit, Nelspruit Animal Hospital

Beef: 2 Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 2, Goat: 3

Limpopo

Makhado, Blouberg Dierekliniek

Beef: 3

Weak animals due to dry conditions. Rumen stasis huge problem (droëgalsiekte)

Sheep: 3, Goat: 3

Polokwane, Pietersburg Veterinary Clinic

Beef: 1, Sheep: 1, Goat: 1

North West

Christiana, Christiana Dierehospitaal

Beef: 2

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 3, Goat: 3

Leeudoringstad, Leeudoringstad Dierekliniek

Free State							
Clocolan, Clocolan Dierekliniek							
Sheep: 2							
Ficksburg, Oosvrystaat Diere Pr	odukte						
Beef: 2							
Roughage deficiency as farmers have	e problems ha	rvestina i	maize. m	naize fields too	wet, silo's	full.	
Memel, Memel Veterinary Clinic	o p. 02.0				7 11 00, 00		
Beef: 2, Sheep: 2, Goat: 1							
Parys, Parys Dierehospitaal							
Beef: 2							
Droëgalsiekte							
Reitz, Riemland Dierehospitaal							
Beef: 2							
	analdiniale						
Viljoenskroon, Viljoenskroon Di Beef: 3	erekiillek						
Kwazulu-Natal	linia						
Bergville, Bergville Veterinary C Beef: 3	IIIIC						
Mooi River, Mooirivier Vet Clinic							
Beef: 2	usa Hassits	1					
Pietermaritzburg, Veterinary Ho	use nospital						
Beef: 2							
Rural cattle							
Underberg, Underberg Veterina	y Surgery						
Beef: 2, Sheep: 2							
Eastern Cape							
Alexandria, Alexandria Plattelar	d Spreekkar	ner					
Beef: 3							
Cofimvaba, State Vet Cofimvaba	1						
Sheep: 2							
MME lambs							
Graaff-Reinet, Graaff Reinet Ve	erinary Clini	С					
Sheep: 2, Goat: 2							
Humansdorp, Humansdorp Vete	rinary Clinic						
Sheep: 1							
Middelburg (EC), Steynsburg Di	erehospitaal						
Beef: 3, Sheep: 3, Goat: 3							
Queenstown, Queenstown Prov	ncial Vet La	b					
Sheep: 2							
MME cases in lambs							
Somerset East, Bosberg Veterin	ary Clinic						
Sheep: 2							
Western Cape							
Malmesbury, Malmesbury Diere	nospitaal						
Beef: 2, Dairy: 2, Sheep: 2							
Northern Cape							
De Aar, De Aar Veterinary Clinic							
Sheep: 3							
Postmasburg, Postmasburg Die	ekliniek						
Beef: 2, Sheep: 2, Goat: 2							
Protein deficiency							^
PROVINCE Mpumalanga Gaute	ng Limpopo	North	Free	Kwazulu-	Eastern	Western	Northern

West State Natal

Cape

Cape

Cape

Average	1.3 (3)	2.5 (2)	2.0 (6)	2.0 (2)	1.9 (8)	2.5 (2)	2.8 (4)	1.5 (2)	2.4 (5)
Level of imported	ortance scale: 1	= one case	e, 2 = more	than one	case bu	ut less than t	en and 3 =	more than 1	0 cases
Beef	1.5 (2)	2.0 (1)	2.0 (2)	2.0 (2)	2.0 (4)	2.5 (2)	2.5 (2)	1.0 (1)	2.0 (1)
Dairy					1.0 (1)			2.0 (1)	
Sheep	1.0(1)		2.0 (2)		2.5 (2)		3.0 (1)		2.7 (3)
Goat		3.0 (1)	2.0 (2)		1.0 (1)		3.0 (1)		2.0 (1)
Mpumalang	a								
Balfour, Bal	four Diereklin	iek							
Beef: 1, Shee									
•	lelspruit Anim	al Hospita	I						
Beef: 2	•	• •							
Gauteng									
	raal, Themba	Animal Cli	nic						
Beef: 2, Goat									
Limpopo									
Makhado, B	louberg Diere	kliniek							
Beef: 3									
Weak animals	s due to dry cor	nditions							
Sheep: 3, Go									
	Pietersburg \	eterinary/	Clinic						
Beef: 1, Shee	•								
North West									
	Christiana Die	erehospita	al						
Beef: 2									
	stad, Leeudor	ingstad Di	erekliniek						
Beef: 2									
Free State	Dogwystaat D	iana Duadii	l-t-						
Beef: 3	Dosvrystaat D	iere Produ	KLE						
Insufficient fe	ped								
	Kroonstad Die	rehosnita	al						
Beef: 1, Dairy									
	nel Veterinary	/ Clinic							
	p: 2, Goat: 1								
Reitz, Riem	land Dierehos	pitaal							
Beef: 2									
	g, Dr. Wyn Irw	/in							
Sheep: 3									
	eaning their lam	nbs need su	pplements	before go	ing to ra	ams			
Kwazulu-Na									
	ergville Veteri	inary Clinic	C						
Beef: 3	Pietermaritzburg, Veterinary House Hospital								
	zburg, veterin	iary House	nospital						
Beef: 2									

Rural cattle

Eastern Cape

Aliwal North, Hertzogbrug Dierekliniek

Beef: 2

Middelburg (EC), Steynsburg Dierehospitaal

Beef: 3, Sheep: 3, Goat: 3

Western Cape

Malmesbury, Invitrotech

Dairy: 2

Cows in poor condition

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1

Northern Cape

Colesberg, Karoo Veterinary Hospital

Sheep: 3

Cachexia (very lean)

De Aar, De Aar Veterinary Clinic

Sheep: 3

Postmasburg, Postmasburg Dierekliniek

Beef: 2, Sheep: 2, Goat: 2

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

Beef	3.0 (1)	2.0 (1)
Dairy	2.0 (1)	2.0 (1)

North West

Christiana, Christiana Dierehospitaal

Beef: 3

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Dairy: 2

Northern Cape

Kuruman, Kuruman Dierekliniek

Dairv: 2

Postmasburg, Postmasburg Dierekliniek

Beef: 2

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

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

Beef	1.0(1)			1.0(1)		2.0 (1)	1.0 (1)	1.0(1)	
Dairy					1.0 (1)	3.0 (1)	2.0 (1)	2.0 (3)	
Sheep					2.0 (3)			2.0 (2)	
Mpumalang	ja								
Balfour, Bal	four Diereklin	iek							
Beef: 1									
North West									
	Klerksdorp Di	erehospit	aal						
Beef: 1									
Free State									
	Kroonstad Die	rehospita	al						
Dairy: 1									
	Ladybrand Die	erekliniek							
Sheep: 2									
	Rowelsfontein	veearts 9	Spreekkan	ner					
Sheep: 2									
	land Dierehos	pitaal							
Sheep: 2									
Kwazulu-Na									
	Mooirivier Vet	t Clinic							
Beef: 2									
	Underberg Ve	terinary S	Surgery						
Dairy: 3									
	including sheep	lick concer	ntrate in dry	cow rati	ion				
Eastern Cap			- II I						
	ast, Bosberg V	eterinary	Clinic						
Beef: 1, Dairy									
Western Ca	-								
	erberg Veteri	nary Hosp	ital						
Sheep: 2	(WC) Haidalla	D !	- !!- -						
	(WC), Heidelb	erg Diere	Kiiniek						
Dairy: 2	. D. Otto V.i.	l.							
Sheep: 2	y, Dr Otto Krie	K							
	. Malmachum	Diarahaa	mitaal						
	y, Malmesbury	Dierenos	pitaai						
Dairy: 2	h, Stellenbosc	h Animal	⊔ocnital						
Beef: 1	ii, Stellelibust	ıı Allılıdi	i iospitai						
	n, Swellendam	Dierehos	nitaal						
Dairy: 2	., Swenendani	210161103	picuui						
·	utritional P	roblem	S						
Iodine de	eficiency								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average						2.0 (1)			

Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases	
Beef						2.0 (1)				
Kwazulu-Na Bergville, Bo Beef: 2	ital ergville Veteri	nary Clinic	С							
Copper do	eficiency								^	
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average						2.0 (1)				
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases	
Beef						2.0 (1)				
Kwazulu-Na										
	ergville Veteri	nary Clinic	С							
Beef: 2										
Zinc deficiency										
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average						2.0 (1)				
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases	
Beef						2.0 (1)				
Kwazulu-Na	ital									
	ergville Veteri	nary Clinic	С							
Beef: 2										
Selenium	deficiency								_	
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average				3.0 (1)		2.0 (1)	1.0 (1)			
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases	
Beef						2.0 (1)	1.0 (1)			
Sheep				3.0 (1)						
North West Christiana, (Sheep: 3 Kwazulu-Na	Christiana Die	rehospita	al							

Beef: 2	ergville Veteri	nary Clini	С						
Eastern Cap Humansdor Beef: 1	pe p, Humansdor	p Veterin	ary Clinic						
	um deficiend	cy							^
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 impreported	ortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than to	en and 3 =	more than :	10 cases
Beef				2.0(1)					
Dairy					1.0 (1)				
North West		:							
Beef: 2	yburg Diereho	spitaai							
Free State									
Wesselsbro Dairy: 1	n, Wesselsbro	n Dierekli	niek						
	se deficiend	У							<u>^</u>
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average						2.0 (1)			
Level of impreported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than to	en and 3 =	more than :	10 cases
Beef						2.0 (1)			
Kwazulu-Na									
Beef: 2	ergville Veteri	nary Ciini	С						
Vitamin /	A deficiency								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average				3.0 (1)	3.0 (5)	2.0 (1)		1.0 (1)	

Beef				3.0 (1)	3.0 (3)	2.0 (1)			
Sheep					3.0 (2)			1.0 (1)	
North West									
Christiana,	Christiana Die	rehospita	al						
Beef: 3									
Free State									
	ocolan Dierek	liniek							
Beef: 3	loonstad Dior	aldiniald							
Beef: 3, Shee	loopstad Diero	ekiiniek							
	gepoort Dierel	rliniek Ve	nnootskan	<u> </u>					
Beef: 3, Shee		MIIIICK VC	шоосэкар	<u>'</u>					
Kwazulu-Na	•								
	ergville Veteri	narv Clini	C						
Beef: 2	_	,							
Western Ca	ре								
Oudtshoorn	, Ostrimed								
Sheep: 1									
Vitamin A def	iciency. Slight e	ye problem	ns – tears/ c	lust					
Vitamin E	3 1 deficiend	СУ							^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average			'					1.5 (2)	
Level of impore	ortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than to	en and 3 =	more than :	10 cases
Sheep								2.0 (1)	
Goat								1.0(1)	
Western Ca	ne								
	est, Beaufort \	Nest State	e Vet						
Goat: 1	,								
	tion, nervous sy	mptoms.							
	s Veterinary H								
Sheep: 2									
Vitamin B 1 d	eficiency								
Multi-fac	ctorial Dise	ase Co	nditions	5					
Abortions	5								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (3)	1.7 (3)	2.3 (3)	2.4 (7)	2.0 (10)	2.0 (5)	1.5 (2)	2.4 (5)	3.0 (1)

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

Beef	2.0 (1)	2.0 (2)	2.5 (2)	2.4 (5)	2.0 (6)	2.0 (4)		2.0 (1)	
Dairy								2.5 (4)	
Sheep	2.0 (2)	1.0 (1)	2.0 (1)	2.5 (2)	2.0 (4)		1.5 (2)		
Goat						2.0(1)			3.0 (1)

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 2

Bethal, Bethal Dierekliniek

Sheep: 1

Middelburg, Middelburg Dierehospitaal

Sheep: 3
Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 1, Sheep: 1

Magaliesburg, Magaliesburg; Dr Ryan Jeffrey

Beef: 3 **Limpopo**

Modimolle, Kranskop Dierekliniek

Beef: 3, Sheep: 2 Two Dorper ewes

Tzaneen, ZZ2 Farm Practice

Beef: 2 North West

Christiana, Christiana Dierehospitaal

Beef: 3

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 2, Sheep: 2

Rustenburg, Bergbos Dierekliniek

Beef: 2

Stella, Stella Dierekliniek

Beef: 3, Sheep: 3

Vryburg, Vryburg Dierehospitaal

Beef: 2 Free State

Bultfontein, Greylingsrust Dierespreekkamer

Sheep: 2

Clocolan, Clocolan Dierekliniek

Beef: 2

Hertzogville, Hertzogville Dierekliniek

Beef: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 1

Ladybrand, Ladybrand Dierekliniek

Sheep: 1

Reitz, Riemland Dierehospitaal

Villiers, Wilgepoort Dierekliniek Vennootskap

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

Bergville, Bergville Veterinary Clinic

Beef: 2

Mooi River, Mooirivier Vet Clinic

Beef: 1

Pietermaritzburg, Veterinary House Hospital

Beef: 2, Goat: 2

Underberg, Underberg Veterinary Surgery

Beef: 3
Eastern Cape

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 2

Queenstown, Queenstown Provincial Vet Lab

Sheep: 1
Western Cape

Caledon, Caledon Dierekliniek

Dairy: 2

Malmesbury, Dr Otto Kriek

Dairy: 2

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3

Swellendam, Swellendam Dierehospitaal

Dairy: 3

Northern Cape

Postmasburg, Postmasburg Dierekliniek

Goat: 3

Stillbirths										
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average		3.0 (1)		2.0 (2)	2.2 (5)	2.0 (3)	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 t	en and 3 =	more than	10 cases	

Beef	3.0 (1)	2.0 (2)	2.0 (4)	2.0 (2)	2.0 (1)	2.0 (1)	
Dairy						2.0 (1)	
Sheep			3.0 (1)			2.0 (1)	
Goat				2.0 (1)			

Gauteng

Magaliesburg, Magaliesburg; Dr Ryan Jeffrey

Beef: 3

Cows with high temperatures (39 to 41 degrees celcius). Lot of dystocias, 2 deformed calves. Cows on intensive and extensive grazing systems. Some cows have a haemorrhagic gastroenteritis, recover within 1 to 3 days. Samples sent the Onderstepoort for evaluation. Viral infection, BVD?

North West

Rustenburg, Bergbos Dierekliniek

Beef: 2

Vryburg, Vryburg Dierehospitaal

Beef: 2
Free State

Bultfontein, Greylingsrust Dierespreekkamer

Beef: 1

Clocolan, Clocolan Dierekliniek

Beef: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Pietermaritzburg, Veterinary House Hospital

Beef: 2, Goat: 2 **Eastern Cape**

Port Alfred, Port Alfred Veterinary Clinic

Beef: 2

Langholm, premature/stillbirths, 7 cases. Port Alfred, premature/stillbirths, 5 cases. Suspected IBR

Western Cape

Beaufort West, Beaufort Dierekliniek

Sheep: 2

Stellenbosch, Stellenbosch Animal Hospital

Beef: 2

Swellendam, Swellendam Dierehospitaal

Dairy: 2

Abscesse	es										
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Average	1.3 (4)	1.3 (3)	1.5 (2)	2.0 (4)	2.0 (8)	1.0 (3)	1.3 (3)	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	1.3 (3)	1.0 (2)	1.5 (2)	2.0 (2)	2.0 (4)	1.0 (3)	2.0 (1)	2.0 (1)	
Dairy				2.0 (1)				2.5 (2)	
Sheep	1.0 (1)	2.0 (1)			2.0 (4)		1.0 (1)	2.5 (2)	2.0 (2)
Goat				2.0(1)			1.0(1)		

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Bethal, Bethal Dierekliniek

Beef: 1, Sheep: 1

Nelspruit, Nelspruit Animal Hospital

Gauteng **Bronkhorstspruit, Kerkstraat Dierekliniek** Pretoria, Anima Veterinary Consulting Rooms **Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic** Beef: 1 Limpopo **Modimolle, Kranskop Dierekliniek** Abscess on sheath of bull **Tzaneen, ZZ2 Farm Practice** Beef: 2 **North West Brits, Brits Dierekliniek** Dairy: 2, Goat: 2 Klerksdorp, Klerksdorp Dierehospitaal Beef: 2 **Ventersdorp, Ventersdorp Dierekliniek** Beef: 2 **Free State Bultfontein, Greylingsrust Dierespreekkamer** Beef: 2, Sheep: 2 Clocolan, Clocolan Dierekliniek Beef: 2, Sheep: 2 Hoopstad, Hoopstad Dierekliniek Beef: 3, Sheep: 3 Ladybrand, Ladybrand Dierekliniek Wesselsbron, Wesselsbron Dierekliniek Sheep: 1 **Kwazulu-Natal Mooi River, Mooirivier Vet Clinic** Pietermaritzburg, Veterinary House Hospital Beef: 1 Pongola, Pongola Animal Clinic Beef: 1 **Eastern Cape Cofimvaba, State Vet Cofimvaba** Beef: 2 **Graaff-Reinet, Graaff Reinet Veterinary Clinic** Sheep: 1 **Port Alfred, Port Alfred Veterinary Clinic** Goat: 1 Bathurst **Western Cape Caledon, Overberg Veterinary Hospital** Dairy: 2 **Darling, Tygerberg Dierehospitaal Darling**

Malmesbury, Malmesbury Dierehospitaal Beef: 2, Dairy: 3, Sheep: 2

Northern Cape

Sheep: 3

De Aar, De Aar Veterinary Clinic

Sheep: 2				46					
	yogenes and Co pington Veea			tubercui	0515				
Sheep: 2	pington veeal	rtsenykiin	iek						
эпеер. 2									
Abscesse	s in general								
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average		2.0 (1)		2.0 (3)	2.3 (7)				
Level of imported	ortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than to	en and 3 =	more than	10 cases
Beef		2.0 (1)		2.0 (2)	2.3 (4)				
Sheep					2.3 (3)				
Goat				2.0(1)					
Gauteng									
	raal, Themba <i>l</i>	Animal Cli	nic						
Beef: 2	•								
North West									
Brits, Brits I	Dierekliniek								
Beef: 2, Goat									
•	a Dierekliniek								
Beef: 2									
Free State	. "								
	Greylingsrust	Dierespr	ееккатег						
Beef: 2	ocolon Diorok	liniak							
Beef: 2, Shee	ocolan Dierek	шиек							
	loopstad Dier	ekliniek							
Beef: 3, Shee		CKIIIICK							
	Kroonstad Die	rehospita	al						
Beef: 2, Shee									
Bladder s									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average				1.0 (1)				1.0 (1)	
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than to	en and 3 =	more than	10 cases
Beef				1.0(1)					
					-			1.0 (1)	
Sheep								1.0(1)	

Beef: 1												
Urolithiasis -	Urolithiasis - calf											
Western Cape												
Stellenbosch, Stellenbosch Animal Hospital												
Sheep: 1	•		•									
Blindness												
				North	Eree	Kwazulu-	Eastern	Western	Northern			
PROVINCE	Mpumalanga	Gauteng	Limpopo	West	State		Cape	Cape	Cape			
Average					2.7 (3)	1.0 (1)	1.0 (2)	2.0 (2)	3.0 (1)			
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported												
Beef					2.5 (2)	1.0 (1)	1.0 (1)					
Dairy								2.0(1)	3.0 (1)			
Sheep					3.0 (1)		1.0 (1)	2.0 (1)				
Free State												
Hoopstad, F	loopstad Dier	ekliniek										
Beef: 3, Shee												
Reitz, Riemland Dierehospitaal												
Beef: 2												
Kwazulu-Natal												
Pietermarit	zburg, Veterin	ary House	Hospital									
Beef: 1												
Newborn Calf												
Eastern Cap												
	State Vet Cofi	mvaba										
Beef: 1												
Severe corne	al opacity											
Sheep: 1												
Congenital												
Western Ca		N										
	est, Beaufort I	Dierekiinie	eK									
Sheep: 2 Malmesbury, Malmesbury Dierehospitaal												
Dairy: 2	, маннеѕригу	Dierelios	pilaal									
Northern Ca	ne											
Kuruman, Kuruman Dierekliniek												
Dairy: 3												
Bloat									^			
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape			
Average					1.8 (6)	1.7 (3)	1.0 (1)	2.0 (5)	1.0 (1)			

Level of impreported	portance scale: 1	= one case,	2 = more	e than on	e case b	ut less than t	en and 3 =	more than :	10 cases
Beef					1.8 (5)	1.5 (2)	1.0 (1)	1.7 (3)	1.0 (1)
Dairy						2.0(1)		2.5 (2)	
Sheep					2.0 (1)				
Free State									
Clocolan, C	Clocolan Dierekl	iniek							
Beef: 2									
Hertzogvil	le, Hertzogville	Diereklinie	ek						
Beef: 2									
Kroonstad ,	, Kroonstad Die	rehospitaa	ıl						
Beef: 1									
	, Ladybrand Die	erekliniek							
Sheep: 2									
	nland Dierehos	oitaal							
Beef: 2									
	ilgepoort Dierek	diniek Ven	nootska	p					
Beef: 2									
Kwazulu-N									
	Bergville Veteri	nary Clinic							
Beef: 2		•							
	stcourt Vet Clin	IIC							
Dairy: 2									
	tzburg, Veterin	ary House	Hospitai						
Beef: 1									
Eastern Ca	•	dina Vot C	onaultin	a Comica					
Beef: 1	, Riverview Tra	aing vet C	onsulun	y Service	:5				
Western C	ano								
	ape aledon Dierekli	niek							
Beef: 1	dicaon Dicient	ilick							
	gerberg Diereh	ospitaal D	arling						
Dairy: 3	, ge. 20. g 2.0. c	oopituui D							
	ry, Malmesbury	Dierehosp	itaal						
Beef: 2, Dai									
	, Riversdal Dier	ekliniek							
Beef: 2	•								
Northern C	Саре								
	Kimberley Die	rekliniek							
Beef: 1									
Free gas blo	at								
Blood gu	ıt (sheep and	d goat)							^

Kwazulu-

North Free

West State Natal

PROVINCE Mpumalanga Gauteng Limpopo

Average

Eastern

Cape

Western

Cape

Northern

2.0(2)

Cape

Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Sheep									2.0(1)
Goat									2.0 (1)
Goat: 2	npe uruman Diere pington Veea		iek						
Blue udde	er								<u>^</u>
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.0 (3)		1.0 (1)	1.5 (2)	2.0 (1)
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Dairy					2.0 (1)			2.0 (1)	
Sheep					2.0 (2)			1.0 (1)	
Goat							1.0 (1)		2.0 (1)
Free State									
	Kroonstad Die	rehospita	al						
Dairy: 2		ul-6:-14 CV							
	Freestate Smi	tnrieia Sv							
Sheep: 2									
	ne udder necro				reatment	. Udders dam	iaged		
	gepoort Dierel	kiiniek ve	nnootskap)					
Sheep: 2	_								
Eastern Cap			0111.a						
	Port Alfred Ve	eterinary (Clinic						
Goat: 1									
Martindale									
Western Ca									
	ledon Dierekli	піек							
Sheep: 1	l. (01.11l	l. A							
	h, Stellenbosc	n Animai	ноѕрітаі						
Dairy: 2									
Northern Ca		Di	!!!!						
	g, Postmasbu	rg Diereki	iniek						
Goat: 2									
Diarrhoea	a								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape

Average	1.4 (5)		3.0 (3)	2.1 (15)	1.9 (7)	1.8 (5)	2.4 (9)	
J	(= /		(-)	(15)			(3)	
Level of impore	ortance scale: 1	= one case, 2 = mor	e than one	e case bu	t less than to	en and 3 =	more than 1	.0 cases
Beef	1.3 (3)		3.0 (2)	2.3 (7)	2.0 (5)	1.0 (1)		
Dairy				2.0 (2)		3.0 (1)	2.3 (6)	
Sheep	1.5 (2)		3.0 (1)	2.2 (5)		1.5 (2)	2.5 (2)	
Goat				1.0 (1)	1.5 (2)	2.0 (1)	3.0 (1)	
Mpumalang								
•	four Diereklin	iek						
Beef: 1	'waatudai Diawa	leliminte						
Beef: 2, Shee	irootvlei Diere	ekiiniek						
		Dierehospitaal						
Beef: 1, Shee		Dierenospitaai						
North West	•							
	Christiana Die	rehospitaal						
Beef: 3, Shee								
Vryburg, Vr	yburg Diereho	spitaal						
Beef: 3								
Free State								
		t Dierespreekkame	r					
Beef: 2, Shee								
	ocolan Dierek	liniek						
	y: 3, Sheep: 2 Dosvrystaat D i	ioro Brodukto						
Goat: 1	JUSVI YSLAAL DI	iere Produkte						
	loopstad Dier	ekliniek						
Beef: 3, Shee		CKIIIICK						
	Kroonstad Die	erehospitaal						
Beef: 2, Shee		<u> </u>						
	Ladybrand Di	erekliniek						
Beef: 2								
	land Dierehos	pitaal						
Beef: 2, Shee		oon Digrakliniak						
Beef: 3	on, viijoenskr	oon Dierekliniek						
	n. Wesselshro	n Dierekliniek						
Dairy: 1	,	2.0. Janines						
Kwazulu-Na	atal							
Bergville, B	ergville Veteri	nary Clinic						
Beef: 3								
	ugela Vet Clini	ic						
Beef: 2, Goat								
	Mooirivier Ve	t Clinic						
Beef: 1	zbura Votorin	ant House Heer!tal	1					
rietermarit	zourg, veterin	ary House Hospital						

Beef: 3 Calves

Pongola, Pongola Animal Clinic

Beef: 1, Goat: 1
Eastern Cape

Humansdorp, Humansdorp Veterinary Clinic

Sheep: 2

Jeffreys Bay, Cape Cross Veterinary Hospital

Dairy: 3

Port Alfred, Port Alfred Veterinary Clinic

Beef: 1

Langholm - calf

Goat: 2

Bathurst (2); Port Alfred (1)

Uitenhage, Uitenhage Dierehospitaal

Sheep: 1
Western Cape

Caledon, Caledon Dierekliniek

Dairy: 2

Darling, Tygerberg Dierehospitaal Darling

Dairy: 3 Ration change

Malmesbury, Invitrotech

Dairy: 2

Malmesbury, Malmesbury Dierehospitaal

Dairy: 2, Sheep: 2

Oudtshoorn, Ostrimed

Sheep: 3

Associated with mouldy feed – drought, low cost and last stored roughage. Cheaper maize results in feeding high volumes of maize, more of a acidosis condition underlying. Bacterial cause?

Goat: 3

Associated with mouldy feed – drought, low cost and last stored roughage. Cheaper maize results in feeding high volumes of maize, more of a acidosis condition underlying. Bacterial cause?

Riversdale, Riversdal Dierekliniek

Dairy: 2

Swellendam, Swellendam Dierehospitaal

Dairy: 3

Epididym	Epididymitis												
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)	2.3 (3)			2.0 (1)					

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

Beef	2.0 (1)			2.0 (1)		
Sheep		2.0 (1)		2.5 (2)		2.0 (1)
Goat			2.0 (1)	-	_	

Mpumalang		^ _							
	regloed Veteri	nere Spre	ekkamer						
Beef: 2									
Gauteng			· D	_					
	nima Veterinar	y Consuit	ing Rooms	•					
Sheep: 2									
North West									
	Dierekliniek								
Goat: 2 Free State									
	Kroonstad Die	robocnita	al						
Sheep: 2	KI OOIIStau Die	renospita	aı						
	nel Veterinary	Clinic							
Sheep: 3	nei vetermary	Cillic							
	inburg Dierek	liniek							
Beef: 2	ilibuly Dielek	iiiick							
Western Ca	ne								
	est, Beaufort I	Diereklinie	sk						
Sheep: 2	cst, beautort i	JICI CKIIIIK	→ X						
Sheep. 2									
Eye Canc	er								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average		1.0 (1)			1.7 (3)		2.0 (1)	2.0 (2)	
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than :	10 cases
Beef					1.5 (2)		2.0 (1)	2.0 (1)	
Dairy		1.0(1)						2.0(1)	
Sheep		· · · · · ·			2.0 (1)				
Gauteng									
	spruit, Kerkstr	aat Diere	kliniek						
Dairy: 1									
Free State									
Hertzogville	e, Hertzogville	Diereklin	iek						
Sheep: 2									
Hoopstad, I	loopstad Dier	ekliniek							
Beef: 1									
Kroonstad,	Kroonstad Die	rehospita	al						
Beef: 2									
Eastern Cap									
	Alexandria Pla	atteland S	preekkam	ner					
Beef: 2									
Western Ca	ре								
	y, Malmesbury	Dierehos	pitaal						
Beef: 2, Dairy	y: Z								

Eye infec	tions								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average		1.0 (1)		2.0 (3)	2.3 (4)	1.9 (7)	2.0 (1)	1.7 (7)	2.0 (1)
Level of imported	ortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than t	en and 3 =	more than	10 cases
Beef		1.0 (1)		2.0 (3)	2.5 (2)	1.8 (5)		2.0 (2)	2.0 (1)
Dairy								1.7 (3)	
Sheep					2.0 (2)	2.0 (1)	2.0 (1)	1.5 (2)	
Goat						2.0 (1)			
Gauteng									
	aal, Themba A	Animal Cli	nic						
Beef: 1	<u>, </u>								
North West									
	Christiana Die	rehospita	al						
Beef: 3	Klaulandanın Di								
Rierksdorp, Beef: 2	Klerksdorp Di	erenospit	aaı						
	, Dr CM Kruge	r-Rall							
Beef: 1	, Di Ciliage	. IVAII							
Free State									
Kroonstad,	Kroonstad Die	rehospita	al						
Beef: 3									
	and Dierehos	pitaal							
Sheep: 2	\/!!	D :							
Beef: 2, Shee	on, Viljoenskro	oon Diere	KIINIEK						
Kwazulu-Na	•								
	ergville Veteri	nary Clini	С						
Beef: 2									
	Mooirivier Vet	t Clinic							
Beef: 1									
Beef: 2	zburg, Veterin	•	-						
	Underberg Ve	terinary S	Surgery						
Beef: 2	haid Drives	looputoo							
vryneia, vry Beef: 2, Shee	/heid Privaat \	reeartse							
Eastern Cap									
	et, Graaff Reii	net Veteri	nary Clinic	3					
Sheep: 2	,		,						
Western Ca	ре								
	est, Beaufort I	Diereklinie	ek						
Sheep: 2									
Darling, Tyg	erberg Dierel	ospitaal I	Darling						

George, George Animal Hospital Beef: 2 Malmesbury, Malmesbury Dierehospitaal Beef: 2 Oudtshoorn, Ostrimed Sheep: 1 Swellendam, Swellendam Dierehospitaal Dairy: 2 Northern Cape Kimberley, Kimberley Dierekliniek Beef: 2 Kerato-konjunctivitis Joint III PROVINCE Mpumalanga Gauteng Limpopo Average 1.0 (1) Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Beef 1.0 (1) Dairy Sheep 2.0 (1) Goat 1.0 (1) Mpumalanga Volksrust, Cape Cross Volksrust Dierehospitaal Beef: 1 Free State Kroonstad, Kroonstad Dierehospitaal Sheep: 2 Memel, Memel Veterinary Clinic Beef: 1 Kwazulu-Natal Beergille, Bergville Veterinary Clinic Beef: 2 Malmesbury, Malmesbury, Malmesbury, Berving State St	Dairy: 1									
Maimesbury, Malmesbury Dierehospitaal		rae Animal H	oenital							
Malmesbury, Malmesbury Dierehospitaal Beef: 2, Dainy: 2 Oudtshoorn, Ostrimed Sheep: 1 Swellendam, Swellendam Dierehospitaal Dainy: 2 Northern Cape Kimberley, Kimberley Dierekliniek Beef: 2 Kerato-konjunctivitis Joint III PROVINCE Mpumalanga Gauteng 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 Beef 1.0 (1) Sheep 2.0 (1) Mpumalanga Volksrust, Cape Cross Volksrust Dierehospitaal Beef: 1 Free State Kroonstad, Kroonstad Dierehospitaal Sheep: 2 Memel, Memel Veterinary Clinic Beef: 1 Kwazulu-Natal Bergville, Bergville Veterinary Clinic Kwazulu-Natal Bergville, Bergville Veterinary Clinic		nge Ammai m	ospitai							
Beef: 2. (a) a liny: 2 Outshoorn, Ostrimed Sheep: 1 Swellendam, Swellendam Dierehospitaal Dairy: 2 Northern Cape Kimberley, Kimberley Dierekliniek Beef: 2 Kerato-konjunctivitis Joint III PROVINCE Mpumalanga Gauteng Limpopo Morth West State Natal Eastern Cape Cape Average 1.0 (1) Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Beef 1.0 (1) Dairy 1.0 (1) Sheep 2.0 (1) Goat 1.0 (1) Mpumalanga Volksrust, Cape Cross Volksrust Dierehospitaal Beef: 1 Kreaculu- Eastern Cape Cape Cross Volksrust Dierehospitaal Beef: 1 Free State Kroonstad, Kroonstad Dierehospitaal Sheep: 2 Memel, Memel Veterinary Clinic Beef: 1 Kwazulu- 1.0 (1) Lou (1) Mpumalanga Volksrust, Cape Cross Volksrust Dierehospitaal Sheep: 1 Kwazulu-Natal Bergville, Bergville Veterinary Clinic		Malmechury	Dierehos	nitaal						
Oudtshoorn, Ostrimed Sheep: 1 Swellendam, Swellendam Dierehospitaal Dairy: 2 Northern Cape Kimberley, Kimberley Dierekliniek Beef: 2 Kerato-konjunctivitis Joint III PROVINCE Mpumalanga Gauteng Limpopo North West State Natal Cape Cape Cape Cape Average 1.0 (1) Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Beef 1.0 (1) Dairy 1.0 (1) Sheep 2.0 (1) Mpumalanga Volksrust, Cape Cross Volksrust Dierehospitaal Beef: 1 Free State Kroonstad, Kroonstad Dierehospitaal Sheep: 2 Memel, Memel Veterinary Clinic Beef: 1 Kwazulu-Natal Bergville, Bergville Veterinary Clinic Kimber III			Dicicios	pitaai						
Sheep: 1 Swellendam, Swellendam Dierehospitaal Dairy: 2 Northern Cape Kimberley, Kimberley Dierekliniek Beef: 2 Kerato-konjunctivitis Joint III PROVINCE Mpumalanga Gauteng Limpopo North West State Natal Cape Cape Cape Average 1.0 (1) Limpopo North State State Northern Cape Cape Northern Cape Northern Cape Northern Cape Northern Cape Northern Cape Average 1.0 (1) Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Beef 1.0 (1) Dairy 1.0 (1) Sheep 2.0 (1) Mpumalanga Volksrust, Cape Cross Volksrust Dierehospitaal Beef: 1 Free State Kroonstad, Kroonstad Dierehospitaal Sheep: 2 Memel, Memel Veterinary Clinic Beef: 1 Kwazulu-Natal Bergville, Bergville Veterinary Clinic										
Swellendam, Swellendam Dierehospitaal Dairy: 2 Kimberley, Kimberley Dierekliniek Beef: 2 Kerato-konjunctivitis Joint III PROVINCE Mpumalanga Gauteng Limpopo West State State Natal Eastern Cape Cape Cape State St		, osti ililea								
Dairy: 2 Northern Cape Kimberley, Kimberley Dierekliniek Beef: 2 Kerato-konjunctivitis Joint III PROVINCE Mpumalanga Gauteng Limpopo West State State Natal Cape Cape Cape Cape Average 1.0 (1) Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Beef 1.0 (1) Dairy 1.0 (1) Sheep 2.0 (1) Mpumalanga Volksrust, Cape Cross Volksrust Dierehospitaal Beef: 1 Free State Kwazulu- Ratal Cape Cross Volksrust Dierehospitaal Beef: 1 Free State Kroonstad, Kroonstad Dierehospitaal Sheep: 2 Memel, Memel Veterinary Clinic Beef: 1 Kwazulu- Ratal Cape Cross Volksrust Dierehospitaal Bergville, Bergville Veterinary Clinic		. Swellendam	Dierehos	pitaal						
Northern Cape Kimberley, Kimberley Dierekliniek Beef: 2 Kerato-konjunctivitis Joint III PROVINCE Mpumalanga Gauteng Limpopo North West Ftate Kwazulu-Ratal Limpopo North West Pata State Northern Cape North Natal Eastern Cape Northern Cape Cape Northern Cape Northern Cape North Natal Eastern Cape Northern Cape Cape Cape Cape Cape Cape Cape Cape		,		p						
Beef: 2 Kerato-konjunctivitis Joint III PROVINCE Mpumalanga Gauteng Limpopo West State Katal Natal Cape Cape Cape Average 1.0 (1) Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Beef 1.0 (1) Dairy 1.0 (1) Sheep 2.0 (1) Mpumalanga Volksrust, Cape Cross Volksrust Dierehospitaal Beef: 1 Free State Kroonstad, Kroonstad Dierehospitaal Sheep: 2 Memel, Memel Veterinary Clinic Beef: 1 Kwazulu-Natal Bergville, Bergville Veterinary Clinic		pe								
PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu- Rastern Cape Cape Northern Cape	Kimberley, I	Kimberley Die	rekliniek							
PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu- Rape 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) Dairy	Beef: 2									
PROVINCE Mpumalanga Gauteng Limpopo West Free State Kwazulu- Eastern Cape Northern Cape 1.0 (1) Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Beef 1.0 (1) Dairy 1.0 (1) Sheep 2.0 (1) Mpumalanga Volksrust, Cape Cross Volksrust Dierehospitaal Beef: 1 Free State Kroonstad, Kroonstad Dierehospitaal Sheep: 2 Memel, Memel Veterinary Clinic Beef: 1 Kwazulu-Natal Bergville, Bergville Veterinary Clinic	Kerato-konjur	nctivitis								
Average 1.0 (1) Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Beef 1.0 (1) Dairy 1.0 (1) Sheep 2.0 (1) Goat 1.0 (1) Mpumalanga Volksrust, Cape Cross Volksrust Dierehospitaal Beef: 1 Free State Kroonstad, Kroonstad Dierehospitaal Sheep: 2 Memel, Memel Veterinary Clinic Beergville, Bergville Veterinary Clinic	Joint Ill									^
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) 2.0 (1) Dairy 1.0 (1) Sheep 2.0 (1) Mpumalanga Volksrust, Cape Cross Volksrust Dierehospitaal Beef: 1 Free State Kroonstad, Kroonstad Dierehospitaal Sheep: 2 Memel, Memel Veterinary Clinic Beef: 1 Kwazulu-Natal Bergville, Bergville Veterinary Clinic	PROVINCE	Mpumalanga	Gauteng	Limpopo						
Beef 1.0 (1) 1.0 (1) 2.0 (1) Dairy 1.0 (1) Sheep 2.0 (1) Goat 1.0 (1) Mpumalanga Volksrust, Cape Cross Volksrust Dierehospitaal Beef: 1 Free State Kroonstad, Kroonstad Dierehospitaal Sheep: 2 Memel, Memel Veterinary Clinic Beef: 1 Kwazulu-Natal Bergville, Bergville Veterinary Clinic	Average	1.0 (1)					2.0 (1)	1.0 (1)	1.5 (2)	
Dairy 1.0 (1) Sheep 2.0 (1) Goat 1.0 (1) Mpumalanga Volksrust, Cape Cross Volksrust Dierehospitaal Beef: 1 Free State Kroonstad, Kroonstad Dierehospitaal Sheep: 2 Memel, Memel Veterinary Clinic Beef: 1 Kwazulu-Natal Bergville, Bergville Veterinary Clinic		ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Sheep 2.0 (1) Goat 1.0 (1) Mpumalanga Volksrust, Cape Cross Volksrust Dierehospitaal Beef: 1 Free State Kroonstad, Kroonstad Dierehospitaal Sheep: 2 Memel, Memel Veterinary Clinic Beef: 1 Kwazulu-Natal Bergville, Bergville Veterinary Clinic	Beef	1.0(1)					2.0 (1)			
Goat Mpumalanga Volksrust, Cape Cross Volksrust Dierehospitaal Beef: 1 Free State Kroonstad, Kroonstad Dierehospitaal Sheep: 2 Memel, Memel Veterinary Clinic Beef: 1 Kwazulu-Natal Bergville, Bergville Veterinary Clinic	Dairy								1.0(1)	
Mpumalanga Volksrust, Cape Cross Volksrust Dierehospitaal Beef: 1 Free State Kroonstad, Kroonstad Dierehospitaal Sheep: 2 Memel, Memel Veterinary Clinic Beef: 1 Kwazulu-Natal Bergville, Bergville Veterinary Clinic	Sheep								2.0 (1)	
Volksrust, Cape Cross Volksrust Dierehospitaal Beef: 1 Free State Kroonstad, Kroonstad Dierehospitaal Sheep: 2 Memel, Memel Veterinary Clinic Beef: 1 Kwazulu-Natal Bergville, Bergville Veterinary Clinic	Goat							1.0(1)		
Volksrust, Cape Cross Volksrust Dierehospitaal Beef: 1 Free State Kroonstad, Kroonstad Dierehospitaal Sheep: 2 Memel, Memel Veterinary Clinic Beef: 1 Kwazulu-Natal Bergville, Bergville Veterinary Clinic	Mnumalang	a								
Beef: 1 Free State Kroonstad, Kroonstad Dierehospitaal Sheep: 2 Memel, Memel Veterinary Clinic Beef: 1 Kwazulu-Natal Bergville, Bergville Veterinary Clinic			ksrust Die	rehospita	al					
Kroonstad, Kroonstad Dierehospitaal Sheep: 2 Memel, Memel Veterinary Clinic Beef: 1 Kwazulu-Natal Bergville, Bergville Veterinary Clinic				•						
Sheep: 2 Memel, Memel Veterinary Clinic Beef: 1 Kwazulu-Natal Bergville, Bergville Veterinary Clinic	Free State									
Memel, Memel Veterinary Clinic Beef: 1 Kwazulu-Natal Bergville, Bergville Veterinary Clinic		Kroonstad Die	rehospita	al						
Beef: 1 Kwazulu-Natal Bergville, Bergville Veterinary Clinic										
Kwazulu-Natal Bergville, Bergville Veterinary Clinic		nel Veterinary	Clinic							
Bergville, Bergville Veterinary Clinic										
			.							
beer: 2		ergville Veteri	nary Clini	C						
Eastorn Cana										
Eastern Cape Port Alfred, Port Alfred Veterinary Clinic			terinary (Clinic						
Goat: 1		. Ort Allieu Ve	cermary (J.IIIIC						
Bathurst										
Western Cape		pe								
Beaufort West, Beaufort West State Vet			Nest State	e Vet						
Sheep: 2		,								
Lambs 3 weeks old. Suspect joint ill.		ks old. Suspect	joint ill.							
Caledon, Overberg Veterinary Hospital										
Dairy: 1	Caledon, Ov	erberg veterii	nary Hosp	itai						

Lamenes	s/Foot Prob	olems							^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.3 (3)	3.0 (1)		3.0 (1)	2.5 (2)	1.3 (6)	1.0 (1)	2.6 (7)	
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than :	10 cases
Beef	1.3 (3)	3.0 (1)		3.0 (1)	2.5 (2)	1.3 (4)		2.0 (1)	
Dairy								2.7 (3)	
Sheep						1.5 (2)	1.0(1)	2.7 (3)	
Mpumalang.	a					1.0 (2)	1.0 (1)	201 (5)	
	a rootvlei Diere	kliniek							
Beef: 2	. Journal Diele	MINICK							
	, Middelburg I	Dierehosp	itaal						
Beef: 1	,								
Nelspruit, N	elspruit Anima	al Hospita							
Beef: 1		-							
Gauteng									
Pretoria, On	derstepoort A	cademic I	Hospital a	nd Prod	uction A	Animal Clinic	С		
Beef: 3									
North West									
	Christiana Die	rehospita	al						
Beef: 3									
Free State	aaalan Diawak	limi ale							
Ciocolan, Ci Beef: 2	ocolan Dierek	шпек							
	loopstad Diere	akliniak							
Beef: 3	loopstad Diere	CKIIIICK							
Kwazulu-Na	ital								
	ugela Vet Clini	ic							
Beef: 1									
	Mooirivier Vet	t Clinic							
Beef: 1, Shee	p: 1								
	zburg, Veterin	ary House	Hospital						
Beef: 2, Shee	•								
	ngola Animal	Clinic							
Beef: 1	_								
Eastern Cap		mysks							
Sheep: 1	State Vet Cofi	iiivdDd							
Western Ca	ne								
	pe Jerberg Diereh	nospitaal [Darling						
Sheep: 3	,	. Jopituui I							
Severe foot ro	ot								
	, Invitrotech								
Dairy: 3									
	, Malmesbury	Dierehos	pitaal						
Roof: 2 Dain	: 3, Sheep: 2								

Wellington	Wellington Di	erehosnit	aal						
Sheep: 3	Treinington Di	Степоорт	.uui						
Foot rot									
Lung infe	ction								_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.1 (7)	1.5 (4)	2.0 (3)	3.0 (6)	2.5 (15)	2.1 (9)	1.7 (3)	2.5 (4)	2.0 (1)
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than 1	10 cases
Beef	2.0 (4)	2.0 (2)	2.0 (1)	3.0 (5)	2.7 (6)	2.0 (6)	1.0 (1)	2.5 (2)	
Dairy					2.0 (3)	3.0 (1)		3.0 (1)	
Sheep	2.3 (3)	1.0 (1)	2.0 (1)	3.0 (1)	2.5 (6)	2.0 (1)		2.0 (1)	2.0 (1)
Goat		1.0 (1)	2.0 (1)			2.0 (1)	2.0 (2)		
Sheep: 2 Grootvlei, G Beef: 2 Middelburg Beef: 3, Shee Nelspruit, N Beef: 1 Gauteng Bronkhorsts Beef: 3	nal Diereklinie rootvlei Diere , Middelburg I	kliniek Dierehosp al Hospita aat Diere	lkliniek						
Sheep: 1	ima Veterinar derstepoort A	-	_		uction A	Animal Clinic	С		
Limpopo Makhado, B	louberg Diere	kliniek							

Christiana, Christiana Dierehospitaal Beef: 3 Klerksdorp, Klerksdorp Dierehospitaal Beef: 3, Sheep: 3 Stella, Stella Dierekliniek Beef: 3 Ventersdorp, Ventersdorp Dierekliniek Beef: 3 Vryburg, Vryburg Dierehospitaal Beef: 3 Free State Clocolan, Clocolan Dierekliniek Beef: 3, Dairy: 3, Sheep: 3 **Dewetsdorp, Platkop Dierekliniek** Sheep: 3 Pasteurellosis in sheep - diagnosed on bacteriology Hoopstad, Hoopstad Dierekliniek Beef: 3, Sheep: 3 **Kroonstad, Kroonstad Dierehospitaal** Beef: 3, Sheep: 2 Parys, Parys Dierehospitaal Dairy: 2 Pneumonia in dairy calves during weaning stress. **Reitz, Riemland Dierehospitaal** Beef: 2, Dairy: 1, Sheep: 2 Viljoenskroon, Viljoenskroon Dierekliniek Beef: 3 Villiers, Wilgepoort Dierekliniek Vennootskap Beef: 2, Sheep: 2 Kwazulu-Natal **Bergville, Bergville Veterinary Clinic** Beef: 2 Bergville, Tugela Vet Clinic Beef: 2, Sheep: 2, Goat: 2 **Kokstad, E.G.Veterinary Services** Beef: 3 **Mooi River, Mooirivier Vet Clinic** Beef: 1 **Newcastle, Ncanduvet Newcastle** Beef: 1 **Pasteurellosis Underberg, Underberg Veterinary Surgery** Dairy: 3 Vryheid, Vryheid Privaat Veeartse Beef: 3 **Eastern Cape Graaff-Reinet, Graaff Reinet Veterinary Clinic** Queenstown, Queenstown Provincial Vet Lab Beef: 1 **Witelsbos, Witelsbos Veterinary Consulting Rooms** Goat: 2 **Western Cape**

Caledon, Overberg Veterinary Hospital

Beef: 3

Malmesbury	y, Malmesbury	Dierehos	pitaal						
	/: 3, Sheep: 2		•						
Northern Ca									
Upington, U	pington Veea	rtsenyklin	iek						
Sheep: 2									
Mastitis i	n general								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)	2.0 (1)		1.5 (2)	1.0 (3)	2.0 (4)	1.3 (3)	2.6 (9)	
Level of impore	ortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than t	en and 3 =	more than 1	l0 cases
Beef	1.0 (1)			1.5 (2)	1.0 (1)	2.0 (3)	1.5 (2)	3.0 (1)	
Dairy					1.0 (1)		1.0 (1)	2.5 (8)	
Sheep					1.0 (1)	2.0 (1)			
Goat		2.0(1)							
Mpumalang	a								
Balfour, Bal	four Diereklin	iek							
Beef: 1									
Gauteng									
	raal, Themba <i>l</i>	Animal Cli	nic						
Goat: 2									
North West			_1						
Beef: 1	Christiana Die	renospita	aı						
	Klerksdorp Di	iorohosnit	eal						
Beef: 2	Kici Kadoi p Di	Ciciospic	uui						
Free State									
Clocolan, Cl	ocolan Dierek	liniek							
Dairy: 1									
	e, Hertzogville	Diereklin	iek						
Beef: 1									
	Kroonstad Die	rehospita	al						
Sheep: 1	, tal								
Kwazulu-Na	ataı ergville Veteri	nanı Clini	c						
Beef: 2	ergville veteri	nary Cilli	<u> </u>						
	Mooirivier Vet	t Clinic							
Beef: 2									
	zburg, Veterin	ary House	e Hospital						
Beef: 2, Shee									
Eastern Cap	e								
	Alexandria Pla	atteland S	preekkam	er					
Beef: 2			Ol: '						
Humansdor	p, Humansdor	p veterin	ary Clinic						

Dairy: 1

Uitenhage, Uitenhage Dierehospitaal

Beef: 1

Western Cape

Caledon, Caledon Dierekliniek

Dairy: 3

George, Dr Mark Chimes

Dairy: 3

Problems seen in Belfast Mpumalanga area where I did a dairy farm audit early in August.

George, George Animal Hospital

Dairy: 3

Malmesbury, Dr Otto Kriek

Dairy: 2

Slight escalation after each reasonable downpour of rain.

Malmesbury, Invitrotech

Dairy: 3 Severe E. coli 3

Malmesbury, Malmesbury Dierehospitaal

Beef: 3

Riversdale, Riversdal Dierekliniek

Dairy: 2

Stellenbosch, Stellenbosch Animal Hospital

Dairy: 1

Swellendam, Swellendam Dierehospitaal

Dairy: 3

Navel III	North Free Kwazulu- Fastern Western N										
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Average	1.0 (1)	1.0(1)				2.0 (2)	1.0 (2)	2.0 (1)			

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

Beef 1.0 (1) 1.0 (1) 2.0 (2) 1.0 (2)

2.0 (1)

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Gauteng

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1

Umbilical hernia

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Mooi River, Mooirivier Vet Clinic

Beef: 2

Eastern Cape

Port Alfred, Port Alfred Veterinary Clinic

Beef: 1 Shaw Park

Queenstown, Queenstown Provincial Vet Lab

Western Cape Malmesbury, N Dairy: 2 Red gut (Sh	Malmesbury	Diorobos									
Dairy: 2	-iaiiiic3bai y		nitaal								
Red gut (Sh		Dicicios	picaai								
Red gut (Sheep)											
PROVINCE M	pumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Average								2.0 (1)			
Level of importa reported	ance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than to	en and 3 =	more than :	10 cases		
Sheep								2.0 (1)			
Western Cape											
Caledon, Overl Sheep: 2	berg Veterir	nary Hosp	ıtaı								
Trauma									^		
PROVINCE M	pumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Average						1.5 (2)			2.0 (1)		
Level of importa	ance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than to	en and 3 =	more than 1	10 cases		
Beef						1.5 (2)			2.0(1)		
Kwazulu-Natal Mooi River, Mo Beef: 1 Pietermaritzbu Beef: 2	ooirivier Vet		e Hospital								
Northern Cape Kimberley, Kin		rekliniek									
Beef: 2	-										
Bruised carcasse	es										
Downer									_		
PROVINCE M	pumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Average	1.3 (3)	1.5 (2)			1.7 (7)	2.0 (2)	2.0 (1)	2.2 (5)			
Level of importa reported	ance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than to	en and 3 =	more than :	10 cases		
	1.3 (3)	1.5 (2)			1.8 (4)	2.0 (2)	2.0 (1)	2.0 (1)			

Dairy					1.5			2.3 (4)	
Juli y					(2)			2.3 (1)	
Sheep					2.0 (1)				
Mpumalang	а								
	nal Diereklinie	k							
Beef: 1									
	elspruit Anima	al Hospita	ı						
Beef: 2									
Volksrust, C	ape Cross Vol	ksrust Die	erehospita	al					
Beef: 1									
Gauteng									
	pruit, Kerkstr	aat Dierel	kliniek						
Beef: 1									
· · ·	derstepoort A	cademic I	Hospital a	nd Prod	uction A	Animal Clinic	2		
Beef: 2									
Free State									
Bultfontein,	Greylingsrust	Dierespr	eekkamer						
Beef: 1, Shee									
	ocolan Dierek	liniek							
Beef: 2, Dairy									
	Kroonstad Die	rehospita	al						
Beef: 2		•							
Reitz, Riem	and Dierehos	pitaal							
Beef: 2									
Wesselsbro	n, Wesselsbro	n Dierekli	niek						
Dairy: 1	•								
Kwazulu-Na	ital								
Bergville, Be	ergville Veteri	nary Clini	С						
Beef: 2	_	-							
Pietermaritz	zburg, Veterin	ary House	Hospital						
Beef: 2			-						
Eastern Cap	е								
	Alexandria Pla	atteland S	preekkam	er					
Beef: 2									
Western Ca	pe								
Caledon, Ov	erberg Veterii	nary Hosp	ital						
Beef: 2, Dairy									
Malmesbury	, Invitrotech								
Dairy: 3									
Riversdale,	Riversdal Dier	ekliniek							
Dairy: 2									
	, Swellendam	Dierehos	pitaal						
Dairy: 2									
	- Paritina								
Traumati	c Reticulo-p	bericard	Itis						_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape

Average

1.0(1)

2.0 (1)

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

Beef		2.0 (1)	
Dairy	1.0 (1)		

Eastern Cape

Somerset East, Bosberg Veterinary Clinic

Dairy: 1

Pre-breeding heifer with chronic weight loss and poor doing, euthanized and wire found on post mortem

Western Cape

Worcester, Durban Straat Dierekliniek Worcester

Beef: 2

Other									<u>^</u>
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average		1.5 (2)		1.0 (1)	1.0 (1)			1.5 (2)	2.0 (1)

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

Beef	1.0 (1)	1.0 (1)	2.0 (1)
Dairy		1.5 (2)
Sheep	2.0(1)		
Goat		1.0 (1)	

Gauteno

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2 Rectal prolaps

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1

One bull - Orchitis; One patent urachis

North West

Klerksdorp, Buffeldoorn Dierehospitaal

Goat: 1 Plastic bag

Free State

Dewetsdorp, Platkop Dierekliniek

Beef: 1

Lymphoma in heifer, diagnosed on histology

Western Cape

Malmesbury, Invitrotech

Dairy: 2 Fever

Stellenbosch, Stellenbosch Animal Hospital

Dairy: 1

Abomasal ulceration

Northern Cape

Kimberley, Kimberley Dierekliniek

Beef: 2
Icteric carcasses

Metabolic Diseases										
Acidosis										
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average	1.3 (3)	1.8 (4)		2.0 (2)	2.4 (17)	1.8 (4)		1.0 (2)		
Level of impore	ortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than t	en and 3 =	more than 1	10 cases	
Beef					2.3 (9)	1.5 (2)		1.0 (1)		
Sheep	1.3 (3)	1.3 (3)		2.0 (1)	2.4 (8)			1.0 (1)		
Goat		3.0 (1)		2.0(1)		2.0 (2)				

Mpumalanga

Bethal, Bethal Dierekliniek

Sheep: 1

Grootvlei, Grootvlei Dierekliniek

Sheep: 1

Volksrust, Cape Cross Volksrust Dierehospitaal

Sheep: 2
Gauteng

Hammanskraal, Themba Animal Clinic

Sheep: 1, Goat: 3

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Sheep: 1
North West

Rustenburg, Bergbos Dierekliniek

Sheep: 2

Vryburg, Vryburg Dierehospitaal

Goat: 2
Free State

Bultfontein, Greylingsrust Dierespreekkamer

Beef: 2, Sheep: 3 On maize fields

Clocolan, Clocolan Dierekliniek

Beef: 3

Frankfort, Frankfort Dierekliniek

Beef: 3, Sheep: 3

Hertzogville, Hertzogville Dierekliniek

Sheep: 1

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 3, Sheep: 3

Memel, Men	nel Veterinary	Clinic									
Beef: 2, Shee											
	hilippolis, Rowelsfontein veearts Spreekkamer										
Sheep: 2											
	tz, Riemland Dierehospitaal										
Seef: 2											
/rede, Vrede Dierehospitaal											
Beef: 2											
	n, Wesselsbro	n Dierekli	niek								
Beef: 1, Shee	p: 2										
Kwazulu-Na											
	tcourt Vet Clir	nic									
Beef: 1, Goat											
Pietermarit	zburg, Veterin	ary House	Hospital								
Beef: 2, Goat											
Western Ca											
	Riversdal Dier	ekliniek									
Beef: 1, Shee	p: 1										
Displaced	l abomasun	1							^		
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Average					1.0		1.0 (1)	2.5 (2)			
Lovel of impe	ortance scale: 1	- 000 636	2 – moro	than on	(1)	··· loca than to	-n and 3 —	more than 1	10 00000		
reported	of tarice scale. 1	= Unc case	2, Z – IIIOIC	tilan on		ut 1655 triair t	eli ailu 5 –	more than .	IU Cases		
Dairy					1.0 (1)		1.0 (1)	2.5 (2)			
Free State											
Wesselsbro	n, Wesselsbro	n Dierekli	niek								
Dairy: 1	•										
Eastern Cap	e										
Somerset Ea	ast, Bosberg V	eterinary	Clinic								
Dairy: 1		-									
	l in 8 year old je	rsey in ear	ly lactation,	operate	d on and	d good respon	se to treat	ment			
Western Ca	ре										
Darling, Tyg	erberg Diereh	ospitaal I	Darling								
Dairy: 3	_										
Malmesbury	, Invitrotech										
Dairy: 2	•										
Ketosis									^		
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Average		1.5 (2)			1.8 (6)		1.0 (2)	1.5 (2)	2.5 (2)		

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

Dairy		1.0 (1)			
Sheep	2.0 (1)	2.0 (5)	1.0 (2)	1.5 (2)	2.5 (2)
Goat	1.0(1)				

Gauteng

Pretoria, Anima Veterinary Consulting Rooms

Sheen: 2

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Goat: 1
Free State

Bultfontein, Greylingsrust Dierespreekkamer

Sheep: 1

Clocolan, Clocolan Dierekliniek

Sheep: 2

Frankfort, Frankfort Dierekliniek

Sheep: 3

Philippolis, Rowelsfontein veearts Spreekkamer

Sheep: 2

Reitz, Riemland Dierehospitaal

Sheen: 2

Wesselsbron, Wesselsbron Dierekliniek

Dairy: 1

Eastern Cape

Aliwal North, Hertzogbrug Dierekliniek

Sheep: 1

Queenstown, Queenstown Provincial Vet Lab

Sheep: 1
Western Cape

Beaufort West, Beaufort West State Vet

Sheep: 1

Twin and triplet ewes die

Caledon, Overberg Veterinary Hospital

Sheep: 2

Northern Cape

Colesberg, Karoo Veterinary Hospital

Sheep: 3

Upington, Upington Veeartsenykliniek

Sheep: 2

Milk Fever										^	
	PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
	Average		1.0 (1)			1.6 (7)	1.0 (1)	1.0 (1)	2.2 (6)		

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

Beef		1.0 (1)		1.3 (3)	1.0(1)	1.0 (1)	
				1.0			
Dairy				(1)			2.2 (6)
Sheep				2.0 (3)			
Gauteng	_						
	raal, Themba A	nimal Clini	ic				
Beef: 1							
Free State							
	, Greylingsrust	Dierespre	ekkamer				
Beef: 2							
	Oosvrystaat Die	ere Produk	te				
Dairy: 1							
	Kroonstad Die	rehospitaal					
Beef: 1, She							
	Ladybrand Die	rekliniek					
Sheep: 2							
	mel Veterinary	Clinic					
Beef: 1							
	Rowelsfontein	veearts Sp	reekkamer				
Sheep: 2							
Kwazulu-N							
	tzburg, Veterina	ary House I	Hospital				
Beef: 1							
Eastern Ca			• • I				
	ı (EC), Steynsbı	irg Dierend	ospitaai				
Beef: 1							
Western Ca		ami Haanib	I				
	verberg Veterin	агу поѕріс	aı				
Dairy: 2	aarbara Diarab	aanitaal Da					
	gerberg Diereh	ospitaai Da	iriing				
Dairy: 3	nin .						
Hypocalcaem		anital					
	orge Animal Ho	spitai					
Dairy: 2	n. Turvituatash						
	y, Invitrotech						
Dairy: 2	Divoredal Diam	aklimiak					
Riversuale,	Riversdal Dier	ekiiniek					

Swellendam, Swellendam Dierehospitaal Dairy: 2

Dairy: 2

Reproductive diseases										
Dystocia (Difficult Births)										
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average	1.8 (10)	1.6 (7)	1.8 (4)	2.4 (5)	2.4 (24)	2.2 (9)	1.7 (11)	1.8 (15)	1.0 (1)	

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

Beef	2.0 (6)	2.0 (3)	2.0 (3)	2.8 (4)	2.5 (13)	2.3 (6)	1.8 (5)	2.2 (5)	1.0 (1)
Dairy				1.0(1)	2.0 (3)	2.0 (1)	2.0 (2)	1.8 (5)	
Sheep	1.5 (4)	1.5 (2)	1.0 (1)		2.5 (8)	2.0 (1)	1.5 (2)	1.7 (3)	
Goat		1.0 (2)				2.0(1)	1.5 (2)	1.0 (2)	

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 2, Sheep: 2

Bethal, Bethal Dierekliniek

Beef: 2, Sheep: 1

Grootvlei, Grootvlei Dierekliniek

Beef: 2, Sheep: 2

Middelburg, Middelburg Dierehospitaal

Beef: 3

Nelspruit, Nelspruit Animal Hospital

Beef: 1

Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 2, Sheep: 1

Gauteng

Bronkhorstspruit, Kerkstraat Dierekliniek

Beef: 2, Goat: 1

Hammanskraal, Themba Animal Clinic

Beef: 2, Sheep: 1, Goat: 1

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 2, Sheep: 2

Limpopo

Makhado, Blouberg Dierekliniek

Beef: 3

Mokopane, Dr Henk Visser

Beef: 2, Sheep: 1

Tzaneen, ZZ2 Farm Practice

Beef: 1

Pinzgauer Heifer

North West

Brits, Brits Dierekliniek

Dairy: 1

Christiana, Christiana Dierehospitaal

Poof: 2

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 2

Stella, Stella Dierekliniek

Beef: 3

Ventersdorp, Ventersdorp Dierekliniek

Beef: 3

Free State Bultfontein, Greylingsrust Dierespreekkamer

Beef: 2, Sheep: 2

Clocolan, Clocolan Dierekliniek

Beef: 3, Sheep: 3

Dewetsdorp, Platkop Dierekliniek

Beef: 2 Five cases

Ficksburg, Oosvrystaat Diere Produkte

Beef: 3

Cesarean section after farmer tried to pull calf after neck was turned. Cow had purulent peritonitis. Cow euthanized.

Dairy: 2

Uterus torsion, cesaerian section, twins

Frankfort, Frankfort Dierekliniek

Beef: 3, Sheep: 3

Hertzogville, Hertzogville Dierekliniek

Beef: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 2, Dairy: 2

Memel, Memel Veterinary Clinic

Beef: 2, Sheep: 2

Parys, Parys Dierehospitaal

Dairy: 2

Non-infectious, nutritional, micro-minerals, mycotoxins as probable causes. Imbalances shown in livers as well as high level of toxins in the livers

Reitz, Riemland Dierehospitaal

Beef: 2, Sheep: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3, Sheep: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2, Sheep: 2

Vrede, Vrede Dierehospitaal

Beef: 3

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Bergville, Tugela Vet Clinic

Beef: 2, Sheep: 2, Goat: 2

Estcourt, Estcourt Vet Clinic

Dairy: 2

Mooi River, Mooirivier Vet Clinic

Beef: 3

Newcastle, Ncanduvet Newcastle

Beef: 3

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Underberg, Underberg Veterinary Surgery

Beef: 2

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Beef: 2

Aliwal North, Hertzogbrug Dierekliniek

Beef: 2

Cofimvaba, State Vet Cofimvaba

Beef: 1, Sheep: 1

Humansdorp, Humansdorp Veterinary Clinic

Dairy: 2

Middelbura	(EC), Steynsb	ura Diere	hospitaal						
	p: 2, Goat: 2	5 - 10.0							
	n, Queenstow	n Veterina	rv clinic						
Beef: 2	ii, Queenstow	i veterine	ii y ciiiiic						
	ast, Bosberg V	eterinary	Clinic						
Dairy: 2	ast, bosberg v	etermary	Cillic						
	n case and bree	ch calving							
	Uitenhage Die								
Goat: 1	Oiteillage Die	enospita	aı						
Western Ca	n o								
	pe est, Beaufort I	Dioroklini	alz.						
Sheep: 1, Go	•	Jiei ekiiiiii	er.						
	ac. 1 est, Beaufort \	Noct State	o Vot						
Sheep: 2	est, beautoit v	vest stati	e vet						
Drought area									
		namı Hacı	ital						
	erberg Veteri	нагу поѕр	ııtaı						
	/: 2, Sheep: 2	ocnital							
	s Veterinary H	ospitai							
Beef: 2	orbora Diazak	oonite al I	Darline						
Beef: 3	jerberg Diereh	ıospitaai l	Jariing						
	(WC), Heidelb	ora Diora	kliniek						
Dairy: 2	(wc), neidelb	erg Diere	KIIIIEK						
	, Invitrotech								
Dairy: 2	y, ilivitiotech								
	h, Stellenbosc	h Animal	Hocnital						
Beef: 2, Dairy		II Allilliai	поѕрісаі						
		Dioroboo	mitaal						
Dairy: 2, Goa	n, Swellendam	Dielelios	рісааі						
	ւ. 1 Durban Straat	Dioroklin	iok Worce	etor					
Beef: 2	Dui Daii Stiaat	Dielekiii	IICK WOICE	SICI					
Northern Ca	no								
	•	•							
Beef: 1	u Dierekliniek	<u> </u>							
beer. 1									
Endomet	ritis								_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
									•
					1.7				
Average		1.0(1)			(3)		3.0 (1)	2.7 (3)	
					(3)				
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
					1.0				
Beef					(1)				
Dairy					2.0		3.0 (1)	2.7 (3)	
-un y					(2)		3.0 (1)	2.7 (3)	
Goat		1.0(1)							
		1.0 (1)							
Gauteng	and Thombs	Animal CI	mia						
	raal, Themba <i>l</i>	anımaı Cli	IIIC						
Goat: 1									

Free State										
	ocolan Dierek	liniek								
Dairy: 2										
	e, Hertzogville	Diereklin	iek							
Beef: 1										
Kroonstad, Kroonstad Dierehospitaal										
	Dairy: 2									
Eastern Cap										
	ast, Bosberg V	eterinary	Clinic							
Dairy: 3										
Western Ca										
	ledon Dierekli	niek								
Dairy: 3			•• •							
	erberg Veteri	nary Hosp	ıtal							
Dairy: 2										
	ı, 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 (1)			3.0 (1)	2.5 (2)	2.5 (2)	1.3 (3)	2.0 (5)		
Level of impore	ortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than t	en and 3 =	more than :	10 cases	
Beef	1.0(1)			3.0 (1)		2.5 (2)		2.0 (1)		
Dairy					2.5 (2)		1.5 (2)	2.0 (4)		
Goat							1.0(1)			
	-						1.0 (1)			
Mpumalang	a four Diereklin	iok								
Beef: 1	ioui Dielekiiii	IEK								
North West										
	Christiana Die	robocnita	al .							
Beef: 3	Cili istialia Die	renospita	21							
Free State										
	ocolan Dierek	liniek								
Dairy: 3	ocolali bicick	iiiick								
	Kroonstad Die	rehosnita	al							
Dairy: 2	Jonistaa Die	cospica								
Kwazulu-Na	atal									
	Mooirivier Vet	t Clinic								
Beef: 3		. JC								
	zburg, Veterin	arv House	Hospital							
Beef: 2		,	p/(w)							
Eastern Cap	е									
	p, Humansdor	p Veterina	ary Clinic							
Dairy: 1	.,	,	,							
	Port Alfred Ve	eterinary (Clinic							
Goat: 1										

5									
Bathurst	t - D t \		61''.						
	ast, Bosberg V	eterinary	Clinic						
Dairy: 2									
Western Cape									
Caledon, Caledon Dierekliniek									
Dairy: 3			N = - 1 !						
	gerberg Diereh	iospitaai L	arling						
Beef: 2	- D- OH- 1/-1-	•-							
	y, Dr Otto Krie	K							
Dairy: 1	. 7								
	y, Invitrotech								
Dairy: 2	. Cwallandan	Diorobos	nitaal						
	n, Swellendam	Dierenos	pitaai						
Dairy: 2									
Poor con	ception								^
				North	Free	Kwazulu-	Eastern	Western	Northern
PROVINCE	Mpumalanga	Gauteng	Limpopo	West	State	Natal	Cape	Cape	Cape
					1.0				
Average	1.5 (2)			2.0(1)	(1)	3.0 (1)		2.0 (4)	2.0 (1)
					(1)				
Lovel of imp	ortance scale: 1	- one cace	2 – moro	than on	o caco h	ut loce than t	on and 3 –	more than	10 cases
reported	ortance scale. 1	- One case	., Z – IIIOI C	than on	e case b	ut less triair t	cii aliu 5 –	more than .	to cases
теропец									
Beef	1.5 (2)			2.0(1)	1.0	3.0 (1)			2.0 (1)
beei	1.3 (2)			2.0 (1)	1.0 (1)	3.0 (1)			2.0 (1)
Dairy								2.0 (4)	
_	-							2.0 (1)	
Mpumalang	a four Diereklin	ialr							
Beef: 1	ioui Dielekiiii	iek							
	, Middelburg I	Diarahasn	itaal						
Beef: 2	, Middelburg i	Diei eilosp	ıtaaı						
North West									
	Christiana Die	rohosnita:	اد						
Beef: 2	Cirristiana Dic	Cilospica	41						
Free State									
	Kroonstad Die	rehospita	al						
Beef: 1		. ссер							
Kwazulu-Na	atal								
	Mooirivier Vet	Clinic							
Beef: 3									
Western Ca	pe								
Caledon, Ov	erberg Veteri	nary Hosp	ital						
Dairy: 2									
Heidelberg (WC), Heidelberg Dierekliniek									
Dairy: 2									
Malmesbury	y, Dr Otto Krie	k							
Dairy: 1									
	ո, Swellendam	Dierehos	pitaal						
Dairy: 3									
	Northern Cape								
Postmasbur	rg, Postmasbu	rg Dierekl	iniek						

Beef: 2										
Retained	afterbirth								^	
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average	1.3 (4)	1.0 (2)		1.3 (3)	1.8 (5)	2.0 (3)	2.0 (1)	1.5 (4)	2.0 (1)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported										
Beef	1.3 (3)	1.0 (1)		1.3 (3)	1.8 (5)	2.0 (3)		1.5 (2)		
Dairy								1.5 (2)	2.0(1)	
Sheep		1.0(1)					2.0 (1)			
	1.0 (1)	1.0 (1)					2.0 (1)			
Goat Mpumalang	1.0 (1)									
Beef: 1, Goat Grootvlei, G Beef: 1 Nelspruit, N Beef: 2 Gauteng Hammanskr	Nelspruit, Nelspruit Animal Hospital Beef: 2									
Beef: 1 Pretoria, An Sheep: 1	ima Veterinar	y Consult	ing Rooms	3						
North West Christiana, (Beef: 2	Christiana Die	rehospita	al							
Beef: 1	Klerksdorp Di	erehospit	aal							
Beef: 1	a Dierekliniek									
Free State Bultfontein, Beef: 2	Greylingsrust ocolan Dierek	•	eekkamer							
Beef: 2 Ficksburg, C Beef: 2	Oosvrystaat Di	ere Produ	ıkte							
Kroonstad, I Beef: 2	Kroonstad Die	-								
Beef: 1 Kwazulu-Na	Wesselsbron, Wesselsbron Dierekliniek Beef: 1 Kwazulu-Natal									
Bergville, Bergville Veterinary Clinic Beef: 2 Mooi River, Mooirivier Vet Clinic										
Beef: 2	zburg, Veterin		e Hospital							

Beef: 2										
Eastern Cap										
	(EC), Steynsb	urg Diere	hospitaal							
Sheep: 2										
	estern Cape									
	jerberg Diereh	ospitaal [Darling							
Beef: 2										
	,, Dr Otto Krie	k								
Dairy: 1										
	ı, Swellendam	Dierehos	pitaal							
Dairy: 2										
	Durban Straat	Diereklin	iek Worce	ster						
Beef: 1										
Northern Ca										
· · · · · · · · · · · · · · · · · · ·	uruman Diere	kliniek								
Dairy: 2										
Sheath P	rolaps								^	
									_	
				North	Free	Kwazulu-	Eastern	Western	Northern	
PROVINCE	Mpumalanga	Gauteng	Limpopo	West	State		Cape	Cape	Cape	
							·	<u> </u>	•	
					2.0					
Average		1.0(1)		1.0(1)	(2)	1.0 (1)	1.0(1)		1.0 (1)	
					(2)					
Lovel of impe	ortance scale: 1	- one cace	2 – moro	than on	o caco h	ut loce than t	on and 3 –	more than	10 casos	
reported	ortance scale. 1	- One case	e, Z – IIIOI e	ulali oli	e case b	ut less triair t	en anu 5 –	more triair.	to cases	
reported										
Beef		1.0(1)		1.0(1)	2.0	1.0(1)	1.0(1)			
Deei		1.0 (1)		1.0 (1)	(2)	1.0 (1)	1.0 (1)			
Dairy					•				1.0(1)	
Gauteng									113 (1)	
	nderstepoort A	cadomic I	Josnital a	nd Drodi	uction /	Animal Clinia	<u> </u>			
Beef: 1	idei Stepoort A	caueiiic	nospitai ai	ilu Piou	uction A	Allilliai Cillii	<u> </u>			
Lamina intern	na prolanc									
North West										
	yburg Diereho	enitaal								
Beef: 1	yburg Dicicilo	Spicaui								
Free State										
	loopstad Diere	ekliniek								
Beef: 2										
	Ladybrand Die	erekliniek								
Beef: 2										
Kwazulu-Na	ital									
Bergville, Be	ergville Veteri	nary Clini	С							
Beef: 1										
Eastern Cape										
Aliwal North	h, Hertzogbrug	g Diereklii	niek							
Beef: 1										
Northern Ca										
	uruman Diere	kliniek								
Dairy: 1										
Uterus pr	olaps								^	

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 (2)	2.0 (1)	2.0 (13)	1.8 (4)	2.0 (2)	1.5 (2)	1.0(1)
Level of impore	Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported								
Beef	1.0 (2)	1.0 (1)	1.0 (1)		2.0 (8)	1.8 (4)	2.0 (1)	1.0(1)	
Dairy				2.0(1)				2.0(1)	1.0(1)
Sheep			1.0 (1)		2.0 (5)		2.0 (1)		
Mpumalang									
	hal Diereklinie	k							
Beef: 1									
	Cape Cross Vol	ksrust Die	erehospita	al					
Beef: 1									
Gauteng	waal Thamba A	Amimaal Cli							
Beef: 1	raal, Themba <i>l</i>	Animai Cii	nic						
Limpopo									
	Dr Henk Visse	r							
Beef: 1, Shee		•							
North West									
	Dierekliniek								
Dairy: 2									
Free State									
Clocolan, Cl	ocolan Dierek	liniek							
Beef: 2, Shee									
	Dosvrystaat Di	ere Produ	ıkte						
Beef: 2									
	rankfort Diere	ekliniek							
Beef: 3, Shee		D:							
	e, Hertzogville	Dierekiin	iek						
Beef: 2	Kroonstad Die	robocnita	اد						
Beef: 1, Shee		enospita	aı						
	ր. 1 nel Veterinary	Clinic							
Beef: 2		J							
	land Dierehos	pitaal							
Beef: 2, Shee									
	Villiers, Wilgepoort Dierekliniek Vennootskap								
Beef: 2, Sheep: 2									
Kwazulu-Natal									
Bergville, Bergville Veterinary Clinic									
Beef: 2									
	tcourt Vet Clir	nic							
Beef: 1									
	zburg, Veterin	ary House	e Hospital						
Beef: 2									

Vryheid, Vryheid Privaat Veeartse

Beef: 2									
Eastern Cap									
	Alexandria Pla	atteland S	preekkam	er					
Beef: 2									
	(EC), Steynsb	urg Diere	hospitaal						
Sheep: 2									
Western Ca	•								
•	erberg Veteri	nary Hosp	itai						
Dairy: 2	s Veterinary H	:							
Beef: 1	s veterinary n	ospitai							
Northern Ca	no								
	uruman Diere	kliniek							
Dairy: 1	didilian Diere	KIIIICK							
	Carrier D	alaa							
vaginai (Cervical) pr	olaps							
PROVINCE	Mpumalanga	Gautena	Limpono	North		Kwazulu-	Eastern	Western	Northern
. KOTINGE	pamaianga	Cautering	Limpopo	West	State	Natal	Cape	Cape	Cape
					2.0				
Average	1.0 (3)	1.5 (2)		2.0(2)	(13)	2.5 (2)	2.0 (4)	1.0(2)	
					(13)				
Level of impo	ortance scale: 1	- one case	2 – more	than one	e case h	ut less than t	en and 3 –	more than	10 cases
reported	ortanice scale. 1	- One case	., Z – IIIOIC	. criari ori	c case b	at icss triair t	cii ana 5 –	more than	ro cases
reported									
Beef	1.0(2)	2.0(1)		2.0(1)	2.1	2.5 (2)	2.0 (2)	1.0(1)	
	1.0 (2)	2.0 (1)		2.0 (1)	(7)	2.8 (2)	2.0 (2)	1.0 (1)	
Dairy				2.0(1)					
Sheep	1.0(1)	1.0(1)			1.8		2.0 (2)	1.0(1)	
Sileep	1.0 (1)	1.0 (1)			(6)		2.0 (2)	1.0 (1)	
Mpumalang	a								
Bethal, Beth	nal Diereklinie	k							
Sheep: 1									
	irootvlei Diere	kliniek							
Beef: 1									
	lelspruit Anima	al Hospita							
Beef: 1									
Gauteng	nderstepoort A					i	_		
Beef: 2, Shee		cademic	nospitai ai	na Proai	uction A	Animai Ciini	<u> </u>		
North West	•								
	Dierekliniek								
Dairy: 2									
•	yburg Diereho	spitaal							
Beef: 2									
Free State									
	Bultfontein, Greylingsrust Dierespreekkamer								
Sheep: 1	Sheep: 1 Clocolan, Clocolan Dierekliniek								
	ocolan Dierek	liniek							
Beef: 2									
Ficksburg, Oosvrystaat Diere Produkte									
Beef: 2	e, Hertzogville	Dieroklin	iok						
nertzogville	, nertzogville	Dierekiin	ICK						

Beef: 2									
	loopstad Dier	ekliniek							
Beef: 3, Shee		Citiminent							
	Kroonstad Die	rehosnita	al						
Sheep: 1	Ki Oolistaa Die	renospita	icai						
	Ladybrand Die	orokliniok	•						
Sheep: 2	Lauybiailu Di	CICKIIIICK	<u> </u>						
	nol Votorinary	Clinic							
	nel Veterinary	Cillic							
Beef: 2, Shee		nitaal							
Beef: 2	land Dierehos	pitaai							
	gepoort Dierel	kliniak Va	nnootekar	•					
		Killilek ve	шооськар	,					
Beef: 2, Shee Kwazulu-Na	•								
		mane Clini							
Beef: 3	ergville Veteri	mary Cilli	C						
	-b.ug Vatarin	ami Harra	. Uoonital						
	zburg, Veterin	ary nouse	е поѕрітаі						
Beef: 2	_								
Eastern Cap		. D'							
	h, Hertzogbrug	g Dierekii	піек						
Beef: 2	CL-1- V-1 C-C	·							
-	State Vet Cofi	ımvaba							
Beef: 2, Shee									
	Witelsbos Vete	erinary Co	nsulting R	tooms					
Sheep: 2									
Western Ca									
	erberg Veteri	nary Hosp	oital						
Rooti 1 Chan									
Beef: 1, Shee	ep: 1								
Climatica									
Climatic	al Cause								^
	al Cause								^
Cold expo	al Cause osure	Gautong	Limpono	North	Free	Kwazulu-	Eastern	Western	^ Northern
Cold expo	al Cause	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	^ Northern Cape
Cold expo	al Cause osure	Gauteng	Limpopo		State				
Cold expo	al Cause osure	Gauteng	Limpopo		State 3.0		Саре	Cape	
Cold expo	al Cause osure	Gauteng	Limpopo		State 3.0		Саре		
Cold expo	al Cause osure	Gauteng	Limpopo		State		Саре	Cape	
Cold expo	al Cause osure			West	3.0 (1)	Natal	2.0 (1)	Cape 1.5 (2)	Cape
Cold expo	osure Mpumalanga			West	3.0 (1)	Natal	2.0 (1)	Cape 1.5 (2)	Cape
Cold expo	osure Mpumalanga			West	3.0 (1)	Natal	2.0 (1) en and 3 =	Cape 1.5 (2)	Cape
Cold exportant PROVINCE Average Level of important Province Prov	osure Mpumalanga			West	3.0 (1)	Natal	2.0 (1)	Cape 1.5 (2)	Cape
Cold exportante Cold exportant	osure Mpumalanga			West	3.0 (1)	Natal	2.0 (1) en and 3 =	Cape 1.5 (2) more than	Cape
Cold expo	osure Mpumalanga			West	3.0 (1) se case b	Natal	2.0 (1) en and 3 =	Cape 1.5 (2)	Cape
Cold exportance PROVINCE Average Level of importance reported Beef Sheep	osure Mpumalanga			West	3.0 (1) e case b	Natal	2.0 (1) en and 3 =	Cape 1.5 (2) more than	Cape
Cold exportant Cold e	osure Mpumalanga ortance scale: 1	= one case		West	3.0 (1) se case b	Natal	2.0 (1) en and 3 =	Cape 1.5 (2) more than	Cape
Cold exportantical Cold exportantical Cold exportantical Colorolar, Climatical Colorolar	osure Mpumalanga	= one case		West	3.0 (1) se case b	Natal	2.0 (1) en and 3 =	Cape 1.5 (2) more than	Cape
Cold expo PROVINCE Average Level of imporeported Beef Sheep Free State Clocolan, Cl Sheep: 3	ocolan Dierek	= one case		West	3.0 (1) se case b	Natal	2.0 (1) en and 3 =	Cape 1.5 (2) more than	Cape
Cold exportantical Cold exportantical Cold exportantical Color Exp	ocolan Dierek	= one case	e, 2 = more	West	3.0 (1) se case b	Natal	2.0 (1) en and 3 =	Cape 1.5 (2) more than	Cape
Cold expo PROVINCE Average Level of imporeported Beef Sheep Free State Clocolan, Cl Sheep: 3 Eastern Cap Alexandria,	ocolan Dierek	= one case	e, 2 = more	West	3.0 (1) se case b	Natal	2.0 (1) en and 3 =	Cape 1.5 (2) more than	Cape
Cold exportantical Cold exportantical Cold exportantical Color Col	ocolan Dierek	= one case	e, 2 = more	West	3.0 (1) se case b	Natal	2.0 (1) en and 3 =	Cape 1.5 (2) more than	Cape
Cold exportantical Cold exportantical Cold exportantical Color Col	ocolan Dierek Alexandria Pla	= one case	e, 2 = more	West	3.0 (1) se case b	Natal	2.0 (1) en and 3 =	Cape 1.5 (2) more than	Cape
Cold exportantical Cold exportantical Cold exportantical Color Col	ocolan Dierek	= one case	e, 2 = more	West	3.0 (1) se case b	Natal	2.0 (1) en and 3 =	Cape 1.5 (2) more than	Cape

	Riversdal Dier	ekliniek							
Sheep: 2 Drought									^
Diougiit									_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average							2.0 (3)		
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Beef							2.0 (1)		
Sheep							2.0 (1)		
Goat							2.0 (1)		
Eastern Cap									
Beef: 2, Shee	Witelsbos Vete ep: 2, Goat: 2	erinary Co	nsulting K	ooms					
Frozen to									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					3.0 (1)				2.0 (1)
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Sheep					3.0 (1)				
Goat									2.0 (1)
Free State									
Clocolan, Cl Sheep: 3	ocolan Dierek	liniek							
Northern Ca	аре								
	rg, Postmasbu	rg Dierekl	iniek						
Soat: 2 Non spe	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			1.0 (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

Beef			1.0(1)			1.0(1)			
Goat					1.0 (1)				
Limpopo									
	2 Farm Practi	ce							
Beef: 1									
Free State									
	Kroonstad Die	rehosnita	al						
Goat: 1	iti oonstaa Die	Cilospita							
Kwazulu-Na	ital								
Bergville, Be	ergville Veteri	nary Clini	С						
Beef: 1									
Preditors									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)				2.3 (3)		2.0 (1)		
Level of impore	Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported								
Beef					2.0 (1)				
Sheep	1.0 (1)				2.5 (2)		2.0 (1)		
Mpumalang	a								
Bethal, Beth	nal Diereklinie	k							
Sheep: 1									
Free State									
Beef: 2	Kroonstad Die	rehospita	al						
	Rowelsfonteir	veearts (Snrookkan	10r					
Sheep: 2		· recards	-pi cerraii						
	gepoort Dierel	kliniek Ve	nnootskap						
Sheep: 3			•						
Eastern Cap									
	et, Graaff Reii	net Veteri	nary Clinic	3					
Sheep: 2									
Dog attacks Sabotatio	n - Thoft								
Sabotatio	n - mert								
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average			1.0 (1)		2.7 (7)	2.0 (1)			

Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Beef			1.0(1)		2.7 (3)	2.0 (1)			
Dairy					3.0 (1)				
Sheep					2.7 (3)				
Limpopo									
	22 Farm Practi	ce							
Beef: 1 Snare									
Free State									
	ocolan Dierek	liniek							
	/: 3, Sheep: 3								
	land Dierehos	pitaal							
Beef: 2, Shee									
	gepoort Dierel	kliniek Ve	nnootskap)					
Beef: 3, Shee	•								
Kwazulu-Na	ıtaı ergville Veteri	nany Clini							
Beef: 2	ergville veteri	ilai y Cillii	<u> </u>						
Trauma									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average		2.0 (2)		1.0 (1)				1.0(1)	
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Beef		2.0 (1)							
Dairy				1.0(1)	•			_	
Sheep								1.0 (1)	
Goat		2.0 (1)							
Gauteng									
	raal, Themba <i>F</i>	Animal Cli	nic						
Beef: 2, Goat North West									
	Christiana Die	rehoenita	al						
Dairy: 1	Cinistiana Die	. enospita	ui						
Western Ca	ре								
	est, Beaufort [Diereklini	ek						
Sheep: 1									
Veld fires									

North Free Kwaze West State Natal

PROVINCE Mpumalanga Gauteng Limpopo

Kwazulu- Eastern Western Cape Cape

Northern Cape

Average	2.0 (1)
Level of imported	ortance scale: $1 = $ one case, $2 = $ more than one case but less than ten and $3 = $ more than 10 cases
Beef	2.0 (1)
Free State	
Reitz, Riem	land Dierehospitaal
Beef: 2	