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

October 2019

(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 (123) submitted reports during October 2019:

Mpumalanga (15)

Balfour - Dr. Lous van Jaarsveld

Bethal – Dr. Hardus Pieters

Ermelo - Dr. Ben Potgieter

Grootvlei – Dr. Neels van Wyk

Hendrina - Dr. Anja Steinberg

Karino – Dr. Silke Pfitzer

Lydenburg – Dr. Marietjie Malan

Lydenburg – Drs. Trümpelmann and Steyn

Malalane – Drs. Van Sittert and Van Sittert

Middelburg - Drs. Erasmus and Bernitz

Middelburg – Dr. Neil Fourie

Nelspruit – Dr. André Beytel

Karino - Dr. Silke Pfitzer

Standerton - Dr. Kobie Kroon

Volksrust - Dr. Johan Blaauw

Gauteng (9)

Bronkhorstspruit - Dr. De Bruin, De Bruin and Labuschagne

Hammanskraal – Dr. Hentie Engelbrecht

Magaliesburg - Dr. Ryan Jeffery

Muldersdrift - Drs. Speedy and Enslin

Nigel – Dr. Cindy van der Westhuizen

Onderstepoort Veterinary Academic Hospital - 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

University of Pretoria - Dr. Emily Mitchell

Vanderbijlpark – Dr. Kobus Kok

Limpopo (6)

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

Modimolle - Drs. Huber, Bredell and Barnard

Mokopane (Potgietersrus)- Dr. Alwyn Venter

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

Vaalwater – Dr. Hampie van Staden

Vaalwater – Dr. Annemieke Müller

North West (10)

Brits – Dr. Boshoff and Coertze

Christiana – Dr. Pieter Nel

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

Van den Berg, Van der Walt and Geral

Leeudoringstad - Dr. Ian Jonker

Lichtenburg – Dr. Nelmarie-Krüger-Rall

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

Stella - Dr. Magdaleen Vosser

Ventersdorp/ Koster –Drs. Benadé and Van der Merwe

Vryburg – Drs. De Jager and Rautenbach

Free State (20)

Bloemfontein – Dr. Stephan Wessels

Bultfontein – Dr. Santjie Pieterse

Clocolan – Drs. Wasserman and Basson

Dewetsdorp – Dr. Marike Badenhorst

Excelsior/Ladybrand – Dr. Dedré Nel

Ficksburg – Dr. Woody Kotzé

Harrismith – Drs. Slabber and Reynolds

Hoopstad – Dr. Kobus Pretorius

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

Memel - Drs. Nixon and Nixon

Parys – Drs. Wessels and Wessels

Reitz – Dr. Murray Smith

Senekal – Dr. Jan Blignaut

Philippolis – Dr. Stephan van Niekerk

Smithfield – Dr. Nienke van Hasselt

Viljoenskroon - Dr. Johan Kahts

Villiers - Dr. D'Wall Hauptfleish

Vrede – Drs. Myburgh and Bester-Cloete

Wesselsbron - Dr. Johan Jacobs

Zastron – Drs. Troskie and Strauss

KwaZulu-Natal (14)

Bergville – Dr. Jubie Muller

Bergville – Dr. Ariena Shepherd

Camperdown – Dr. Anthony van Tonder

Dundee - Drs. Marais and Fynn

Eshowe, Mtunzini, Mandeni - Dr. Craig Pryke

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

Kokstad – Drs. Clowes, Shrives and Lees

Mooi River – Drs. Still, Edmunds and Fowler

Mtubatuba – Dr. Trevor Viljoen

Newcastle – Dr. Barry Rafferty

Pietermaritzburg – Drs. Kretzmann

Pongola - Dr. Heinz Kohrs

Underberg - Drs. King and Delaney

Vryheid – Drs. Theron and Theron

Eastern Cape (11)

Adelaide – Dr. Steve Cockroft

Alexandria – Dr. Charlene Boy

Alexandria - Dr. Johan Olivier

Aliwal North - Drs. Troskie and Strauss

Bathurst - Dr. Jane Pistorius

Graaff- Reinet - Dr. Roland Larson

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

Steynsburg – Dr. Johan van Rooyen

Stutterheim – Dr Dave Watermann

Uitenhage – Drs. Mulder and Krüger

Witelsbos - Dr. Elmien Kotze

Western Cape (25)

Beaufort West - Dr. Jaco Pienaar

Beaufort West – Dr. Bennie Grobler

Caledon - Drs. Louw and Viljoen

Caledon - Drs. Retief, Coetzer and Jansen

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

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

Elsenburg – Dr. Annelie Cloete

George - Drs. Strydom, Truter and Pettifer

Heidelberg – Dr. Albert van Zyl

Malmesbury – Dr. Otto Kriek

Malmesbury – Dr. Andries Lesch

Malmesbury – Dr. Markus Fourie

Malmesbury – Drs. Heyns and Zolner

Malmesbury – Dr. N.J. Heyns

Moorreesburg – Drs. Kotzé and Sheridan

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 - Drs. Van Zyl and Louw

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. Sophette Gers – Pathcare, Cape Town

Dr. Mark Chimes – Dairy Standards, George

Amanda McKenzie – Vryburg Veterinary Laboratory

BIOSECURITY

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

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

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

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

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

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

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

FOOT AND MOUTH DISEASE UPDATE

JOINT STATEMENT OF THE DEPARTMENT OF AGRICULTURE, LAND REFORM AND RURAL DEVELOPMENT AND THE NATIONAL ANIMAL HEALTH FORUM ON FOOT AND MOUTH DISEASE UPDATE – 20 November 2019

http://nahf.co.za/wp-content/uploads/JOINT-MEDIA-STATEMENT-OF-THE-DEPARTMENT-OF-AGRICULTURE-LAND-REFORM-AND-RURAL-DEVELOPMENT-AND-THE-NATIONAL-ANIMAL-HEALTH-FORUM-ON-FOOT-AND-MOUTH-DISEASE-UPDATE-.pdf

The Department of Agriculture, Land Reform and Rural Development advises farmers and livestock owners that all parties transacting with cloven-hoofed animals should observe the utmost caution. All gatherings of animals from more than one source (incl. auctions, livestock shows, and speculative transactions) are discouraged until the exact situation is known.

Background

On 1 November 2019, veterinary services were alerted to clinical signs suspicious for Foot-andMouth disease (FMD) in a herd of cattle on a farm in the Molemole local municipality of the Capricorn district, Limpopo.

Trace back and trace forward of animals from the positively confirmed herd is underway to determine the extent of the outbreak. So far, at least 5 properties have been confirmed.

A Technical Task Team has been established by the Honourable Minister, consisting of DAFF Veterinary officials, Provincial Veterinary officials as well as industry commodity groups led by the National Animal Health Forum and experts in the specific disease.

FMD is a highly contagious viral disease that affects cattle, pigs (domestic and wild), sheep, goats, and other cloven-hoofed animals. Signs of disease in animals may include depressed animals, sores in the mouth of animals causing reluctance to eat, and lameness.

FMD may show no clinical signs for up to 14–21 days when animals are infected. For this reason, it is very difficult to ascertain if the animals are infected by visual inspection alone.

Trace back and trace forward thus far linked infected animals to an auction facility in Limpopo Province and it has been confirmed that at least five commercial facilities have been affected as a result. More properties that purchased animals at the same auction could be affected.

All known infected properties have been placed under quarantine, suspect properties under precautionary quarantine; plans to resolve the situation are being implemented.

Movement of cloven hooved livestock

- 1.If at all possible, live cloven hooved animals should not be moved until the current situation has been stabilised. Only transport animals that are healthy and destined for immediate slaughter.
- 2.All buyers of animals should ensure that the animals purchased are free of disease, especially free of FMD. Any transaction of cloven-hoofed animals should be accompanied with a veterinary health certificate issued by a veterinarian
- 3.It should be noted that FMD virus can remain viable in the environment for a few days. Thus, any transport vehicle should be thoroughly cleaned and disinfected away from any animals before animals are loaded.

Vehicles used to transport animals to abattoirs should thus be thoroughly cleaned and disinfected before leaving the abattoir premises.

Please note that in terms of Section 11 of the Animal Diseases Act, 1984 it is the responsibility of "any owner or manager of land on which there are animals ...take,... all reasonable steps to prevent the

infection of the animals with any animal disease, or parasite and the spreading thereof from the relevant land or animals...".

Anyone spreading FMD through the movement of animals may thus be held civilly and or criminally liable for such offence.

Biosecurity

Any person having had contact with possibly infected animals should take all precautions necessary to change clothing and footwear before handling other cloven-hoofed animals.

Anybody that is unsure of the above advice should please contact their local state or private veterinarian for biosecurity guidance and/or assistance to develop a biosecurity protocol for their farm.

Adherence to the above advice will assist DALRRD, Veterinary Services Limpopo, and farmers to resolve the situation. It is vital that all stakeholders act reasonably and responsibly and according to the law at all time.

All animal owners are encouraged to stay well informed.

Visit: www.nahf.co.za for the FMD-Basic Biosecurity Guidelines.

The disease does not affect human beings and it is safe to consume products of cloven-hoofed animals, such as meat and milk.

Alternative options

Electronic auctions or one-on-one transactions of cloven-hoofed animals (including wildlife) could be considered between producers if all biosecurity protocols, quarantine measures, veterinary health certificates, individual animal identification, as well as traceability back to source are implemented before any transaction takes place.

For more media inquiries contact: Reggie Ngcobo - Media Liaison Officer Mobile: 082 883 2458 The technical spokesperson on FMD is Dr Botlhe Modisane Mobile: 063 693 0330

Biosecurity guidelines

http://nahf.co.za/wp-content/uploads/FMD-Basic-Biosecurity-Guidelines-2019-11-19-Ver-3-1.pdf

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

- a. Train all personnel in biosecurity principles at least annually.
- 8. Access: a. Access points to the area must be identified and demarcated clearly.
- b. Loading site must be identified away from animals.
- c. A cleaning and disinfection station needs to be made available and should be away from any animals and an SOP for cleaning of all vehicles entering the biosecurity area must be adhered to.
- d. Parking areas away from animal areas must be provided.
- e. Vehicle movement pathways must be mapped.
- f. Draw up a map demarcating all these areas.
- g. The control boundary should always be respected and identified to all personnel.
- h. No access of vehicles or personnel to the biosecure area unless via proper decontamination protocols. People with any suspected contact with infected animals (or having been in an affected area) should stay away from "clean animals for at least a week.
- i. Access points should be respected, well demarcated and procedures of access described. Biosecurity Guidelines-FMD 2019-11-19 2
- j. Animals arriving on the farm should only be directly from a guaranteed healthy herd accompanied by signed and dated veterinary health certificates.
- k. Personnel entering the biosecure area should shower and change clothing before entering the area.
- I. Logbooks of all persons, vehicles, equipment etc entering or leaving the biosecure area should be kept.
- m. No entry of persons, vehicles or products should be allowed if not expressly permitted by the biosecurity officer.
- n. Feed brought into the biosecure area should only be from sources determined by the biosecurity manager.
- o. For further information go to www.securebeef.org
- 9. Quarantine:
- a. For extra security cattle should be quarantined at least 100 meters for 21 days away from the herd.
- b. There will be absolutely no contact with the herd either directly or indirectly.
- c. They should only be introduced after clinical (and preferably serological) evaluation.

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

Livestock producers, take ownership and fund your own industry

Dr. Michel Bradfield (michael@agribsa.co.za)

At a Livestock industry workshop held in March this year in Pretoria (see Landbouweekblad 12 May 2017), attended by a large representative group of all the major industry role players in the value chain (including commercial producers, the large Feedlots and retail), industry role players spoke about the importance of the Livestock industry taking ownership of its own destiny. They also spoke about how the industry should fund itself without continuously looking at the Department of Agriculture and Fisheries (DAFF) to provide support or handouts. However, speak to most of the older livestock producers and not all producers will be convinced as they nostalgically remember the past when a large percentage of their inputs were subsidized by government. Amongst these same producers the perception also exists that overseas producers are heavily subsidised by their respective governments and that our government needs to do the same.

Whilst some European union countries do heavily subsidize their livestock industries, this is certainly not the case for many developed countries in the world. Table 1 that shows that the international level of subsidy given to producers is generally declining and that South African producers in some instances obtain higher subsidies than that given to New Zealand producers for example, and not much less than that given to Australian producers. It is also unfair to compare ourselves to European producers who have very few sheep and cows. Most development efforts in Europe focus heavily on chicken and pork production because livestock production is often seen as an industry worth subsiding, often to keep people on the land and to also boost the very important tourist industry.

The New Zealand government has drastically reduced subsidies and expect producers to stand on their own feet and pay for their own industry development costs. It was initially difficult, but farmers have become more efficient and have learnt how to live without subsidies. In fact, their industry now refuses to allow themselves to become depended on government and would turn down subsidies even if offered (see link at the end of the article). Many countries are now following the New Zealand model and cutting subsidies. The ideal model for many countries is to have industry providing the bulk of the money for funding research and development of their own industry though a private company, usually a section 21 type company, and to then convince the government to match some of the research and development funds for major industry related projects in the form of matching grants.

The South African Livestock Levy

The South African livestock industry is currently funded by a very small industry levy (Table 2) of 0.05% of the total turnover. This compared to the 0.6% as an industry average. The current levy for Pork production for example is 0.5% of total turnover. Some in the industry have suggested that to equate to pork at least, the industry spend should be closer to R50 per animal in the beef sector, and an equitable amount in the Smallstock sector. The current levy in beef equates to a once off fee of about R10.00 per animal.

The USA beef checkoff has a compulsory levy that collects one USA dollar (R13.80) every time a transaction occurs in the value chain. A further one dollar is collected for exported carcasses or product.

The MLA in Australia collects five Australian dollars i.e. R50.00 for each beef animal. The total amount collected is \$AUD 155.7 million i.e. R1.5 billion per annum. The South African equivalent is between R30-R50 million, a paltry amount in comparison. For both the MLA and American programs the money is spent on Research and Development, Marketing and Animal Health and opening new markets internationally. It is a truism that industry does not easily accept a statuary levy unless the benefits are clearly understood, demonstrable progress can be shown and is achieved, and results in significant changes to the bottom line for each producer. In previous articles I have shown for example that the USA is in a similar position as South Africa in that it produces just enough meat for its population. It however export about 10% of the high value cuts to premium markets and imports an equivalent amount of low value cuts for mostly the hamburger market. Some of their levy funding will thus be used to develop these export markets. Though the spend on levy by producers is often hotly debated by some producers in all countries, the common-sense position prevails that the industry would stagnate and become uncompetitive if no levee was paid, or if the levy amount was reduced.

Prof Michael Roberts, a world expert on business strategy, lists investing in Research and Development (R&D) as the number one step that industries should consider for growth. Poorly run industries or businesses usually spend little on research and development to their long-term detriment.

Government involvement

As mentioned previously, the industry in South Africa often looks at DAFF to fund any major development requirements, for example, national animal health initiative's, development of traceability systems, opening of export markets or research and development related to animal production. A recent report has shown that a serious outbreak of foot and mouth disease (F&M) for example, would cost the industry over 6 Billion rand. The same report showed that it is highly advisable to put measures in place and to be proactive to protect our industry against a F&M outbreak rather than waiting for a catastrophe to happen. A major disease outbreak alone is reason enough to get our industry to have serious introspection of how it could and should funding itself, without necessary looking at the government for funding.

My interaction with DAFF has shown that they are committed to work with industry and to form public private partnerships (PPP) where needed. They have certainly assisted us in a Beef Genomics program where they assisted industry with a matching grant of about 1:4 i.e. R30 million over three years for an in kind, industry contribution of R120 million. It is highly likely that this program will again be funded but by international norms it is still a drop in the ocean and hardly enough to make a significant difference by international standards. The reality is that to get money from government, as an industry you have to be prepared to provide the bulk of the funding.

Another reality in South Africa is that DAFF is overstretched and overburdened and that they also accommodate approximately 60 000 smallholder and emerging producers who own 40% of the sheep and cattle in the county and who were poorly serviced by DAFF before 1994. To rely of DAFF to fund any of the major developments in the Livestock industry is unrealistic and will simply not happen.

Importance of strong institutions and umbrella bodies

According to the World bank, the single biggest difference between success and failure in an industry is the strength of the institutions or umbrella bodies that supports the industry. Failed states will hardly ever have good institutions or representative umbrella bodies and have very little interaction between industry and government. Collectively they will hardly ever work towards a common goal. On the other hand, most livestock industries in the developed world will have a clear vision and strategy that has the buy in of the whole value chain. The vision and implementation plan must have clear guidelines, timelines and a clear funding model of how the plan should be implemented so that a collective vision will be achieved. To avoid duplication of projects all actors in an industry, including government must buy into such a masterplan so that any duplications of projects can be avoided. The South African livestock industry has good institutions such as the Red Meat Industry Forum (RMIF) that includes the national Emerging Red Meat producer's organization (NERPO) and Red Meat Producers organization (RPO). However, as shown above, the level of funding in South Africa for Research and Development of the industry is almost insignificant compared to our international competitors and serious introspection is needed by all actors to ascertain a desired future position for the industry. My colleagues who are head of departments in animal production at the University of the Free State and Pretoria, openly admit that they cannot attract the youngest and brightest students into the field of animal production, especially in the field of Animal Breeding and Genetics. This discipline requires a high level of investment (and realises high levels of returns), but the results are not immediately apparent to industry. This is also true for much of the development initiatives mentioned above. The benefits of an animal traceability system for example, is not immediately apparent, but ask any country that has implemented animal traceability systems (such as Namibia), and most producers understand the benefits. The importance of funding large animal health initiative's, should be self-evident, especially in South Africa with its porous borders and continuous risks of disease outbreaks.

Summary and implications for the industry

The South African livestock industry is doing well after the sudden increase in prices, largely because of the drought in 2015, shortage of product, and to a small extent, some exports. However, these increases will be eroded in the next decade as the herds and flock recover to their normal levels and we again find ourselves competing internationally with countries such as South America, the USA and Australia in the international market. As an industry we are extremely susceptible to serious disease outbreaks and a serious Foot and Mouth outbreak for example could devastate the industry. Many of our producers and industry bodies look at government for funding major development initiatives such as national animal health, development of traceability systems, opening of export markets and research and development related to animal production. The reality is that the bulk of funding for the development of the industry by our international competitors comes from the producers themselves, and this trend is set to continue. Despite its political challenges, where you would expect the livestock industry in South Africa to properly fund its own industry, the size of the South African Statuary Levy can hardly be compared to our international competitors. If we as an industry are serious about getting maximum value from our sector, we should seriously consider taking ownership of our industry with proper funding. For example Is fifty or a hundred rand per animal, with a carcass value of R15 000, really too large a price to pay?

- **By not investing in our future we are slowly putting ourselves into a position where we will not be able to compete against our international peers **
- **The International norm for investment in industry is 1.5 % of the turnover. The legislated Red Meat Levee in South Africa is 0.1 % of turnover and is of the lowest in the developed world.**
- ** Many of the animal production departments at South Africa's top universities openly admit that they cannot attract the youngest and brightest students into the field of animal production, especially in the animal genetics field**

Table 1: Agricultural support payed by government to individual producers as a subsidy in USD Dollar. It shows that the subsidies have markedly decreased to producers for most countries. It also shows the disparity in subsidy between the European countries and countries such as South Africa and New Zealand. [Editor, use the countries highlighted in yellow]

	→ PSECSE indicator	Producer Support E	Estimate (PSE)	▼			
	→ Unit	USD mn ▼					
		2010	2011	2012	2013	2014	2015
	→ı Time	∡ ₹	∡ ₹	∡ ₹	∆ ♥	∆ ₹	∆ ▼
→ Country							
<u>Australia</u>		1 293.36	1 576.49	1 007.60	1 085.69	721.51	588.80
Canada		7 069.26	7 417.94	7 519.67	5 352.70	5 043.25	4 289.26
Chile		287.33	356.12	402.34	420.32	417.32	400.2
Iceland		124.21	139.73	151.28	146.52	191.97	196.24
Israel		931.62	1 022.13	671.66	542.55	832.34	1 032.69
Japan		56 262.97	60 352.54	65 452.28	50 223.07	43 484.87	33 509.4
Korea		16 967.88	21 007.20	20 412.82	21 483.72	21 774.73	20 117.93
Mexico		6 371.33	6 782.52	6 737.65	6 665.51	6 626.31	5 163.5
New Zealand		99.77	162.48	144.97	129.56	133.36	101.25
Norway		3 618.47	4 016.32	4 278.60	3 918.65	3 948.60	3 252.50
Switzerland		5 792.56	6 801.29	6 691.12	6 300.80	7 313.64	7 737.5
Turkey		22 021.68	19 437.33	17 137.66	15 208.04	14 681.40	11 568.5
United States		30 774.35	32 683.81	35 993.12	29 020.14	43 571.84	38 784.5
European Union (28 countries)		104 901.85	108 988.43	110 542.61	120 825.51	108 213.78	89 986.99
OECD - Total		249 378.90	262 840.53	270 316.26	252 918.49	247 678.80	211 982.2
Brazil		9 283.76	11 473.51	6 872.98	6 193.20	7 280.35	4 092.12
China (People's Republic of)		135 996.90	112 929.08	219 170.10	263 843.94	275 581.25	307 394.82
Colombia		4 426.81	4 843.88	6 151.77	5 888.89	4 795.67	3 484.26
Indonesia		23 950.63	19 119.89	23 176.10	27 153.71	31 871.48	35 969.07
Kazakhstan		966.94	1 795.07	2 124.33	2 173.43	1 489.14	1 988.10
Russia		16 192.70	15 070.97	14 137.21	14 470.78	15 248.03	
South Africa		338.47	549.74	712.53	569.78	499.61	697.5
Ukraine		2 035.11	-745.30	559.65	-1 395.82	-3 095.76	-1 823.59
Viet Nam		3 097.10	2 754.17	2 696.91	946.19	-532.35	205.97



TABLE 5: TOTAL AMOUNT OF STATUTORY LEVIES COLLECTED

Product	Levy income	Total value of product at the first point of sale *	Levy income as a percentage of the value of the product	Levy collection rate
	R	R	%	%
Citrus (exported)	54 199 844	11 241 576 908	0.5 %	100
Cotton lint	1 933 555	168 000 000	12%	100
Dairy products	46 585 458	9 754 000 000	0.5 %	113
Deciduous Fruit	94 130 207	5 402 611 877	1.7 %	97
Dried fruit	5 816 018	569 626 735	1.0 %	98
Fynbos (proteas)	367 495	59 818 787	0.6 %	98
Lucerne	2 443 252	268 898 000	0.9 %	75
Macadamias	11 551 652	276 000 000	4.2 %	98
Olives	871 754	66 043 180	1.3 %	56
Pecan nuts	1 571 913	651 000 000	0.2 %	97
Pork	24 737 146	4 772 306 000	0.5 %	106
Potatoes	38 203 447	7 100 000 000	0.5 %	98
Red meat	34 782 190	29 900 000 000	0.1 %	98
Sorghum	2 074 028	345 422 500	0.6 %	100
Table grapes	21 502 612	5 000 000 000	0.4 %	100
Wine	87 210 168	4 727 000 000	1.8 %	100
Winter cereals	61 861 825	7 663 128 367	0.8 %	104
TOTAL	489 842 564	87 965 432 354	0.6 %	96

^{*}as provided by levy administrators

Sources

 $\frac{http://dailysignal.com/2016/09/22/what-happened-when-new-zealand-got-rid-of-government-subsidies-for-farmers/$

http://www.huffingtonpost.com/mark-ross/farm-subsidies-new-zealand_b_1680259.htmlBy

https://www.mla.com.au/about-mla/about-your-levy/grassfed-cattle/

http://www.beefusa.org/

http://www.beefresearch.org/

https://www.beefboard.org/producer/CBBFinalUnderstandingBrochure.pdf

Summary of disease report for October 2019

123 Reports from veterinary practices and laboratories were received (Mpumalanga (MP) 15; Gauteng (G) 9; Limpopo (L) 6; Northwest (NW) 10; Free State (FS) 20; KwaZulu-Natal (KZN) 14; Eastern Cape (EC) 11; Western Cape (WC) 25: Northern Cape (NC) 7; Feedlots (FL) 1 and Laboratories (Lab) 5), Others (1).

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

Disease or condition	Number of provinces
	reporting
Warts	9
Abscesses	9
Dystocia	9
Coccidiosis	8
Bontlegged ticks	8
Anaplasmosis	8
Protein deficiency	8
Energy deficiency	8
Lungs (pneumonia)	8
E. coli	8
Ringworm	8
Abortions	8
Diarrhoea	8
Vaginal prolaps	8
Drought	8
Uterine prolaps	8

Wireworm	7
Asiatic red water	7
Vibriosis	7
Lameness	7
Downer	7
Mastitis	7
Retained afterbirth	7
Roundworms	6
Conical flukes	6
Nuisance flies	6
African red water	6
BMC (snotsiekte)	6
Orf	6
Tulip toxicity	6
Bloat	6
Navell ill	6
Blue ticks	6
Heartwater	6
Bovine brucellosis	6
Joint ill	6
Poor conception	6
Cryptospridiosis	5
Trichomonosis	5
Blackquarter	5

Pulpy kidney	5
Blood gut (sheep)	5
Calcium deficiency	5
Metritis	5
Ketosis	5
Milkfever	5
Eye cancer	5

Bovine Brucellosis

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

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

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

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

It is available in English and Afrikaans.

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

VENDOR DECLARATION BOVINE BRUCELLOSIS

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

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

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

Please attach the most recent *Brucella* blood test certificate

Owner or authorised	renrecentative.	
Owner or authorised	representative.	

Signature:	
Date:	

** * Biosecurity

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

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

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

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

OVINE JOHNE'S DISEASE VENDOR DECLARATION

ON THE SALE OF SHEEP

(Updated Draft May 2015)

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













SOP for the control of Bovine Brucellosis

Audit date:	
Authorised person:	

		Y/N	Comment
1	Fences and gates in good condition		
2	Gate control - log in		
3	Disinfection of vehicles coming onto the farm		
4	Protective clothing and boots given to people		
	visiting the farm (cattle area) coming from high		
	risk areas eg. veterinarians, nutritionists,		
	representatives, truck drivers, workers, etc.		
5	Sterilizing equipment coming in contact with cattle		
6	Run off water/ streams from neighbouring farms		
7	All animals identified with a brand mark and ear		
	tag		
8	Data base of all animals		
9	Closed herd		
10	When last were animals bought in or moved from		
	another farm?		
11	Only buy in animals from a farm which has a		
	recent negative tested brucellosis herd certificate		
12	Origin(s) of acquired cattle? Bought at an auction?		
13	Keep heifers separate from herd until they have		
	calved and tested negative for brucellosis		
14	Quarantine camp available		
15	Separate calving camps		
16	Were all heifers vaccinated between 4 and 8		
	months vaccinated with Strain 19 or RB51?		
17	Any cattle vaccinated with Strain 19 over 8 months		
	of age? History over last few years.		
18	Were there any abortions on the farm – samples		
	taken, diagnosis?		
19	All sexually mature cattle in herd tested for bovine		
	brucellosis (provide proof)		

20	Bovine brucellosis is a State controlled disease. Positive cattle are branded with a C on the right side of the neck.	
21	Isolation of infected animals & separate handling facilities	
22	Prohibition of movement of animals off quarantined property except under cover of a Red cross permit for slaughter at an abattoir	
23	Prohibition of use and on-farm disposal of unboiled, unpasteurised or unsterilised milk on quarantined property	
24	Disinfection of places where infection is a possibility.	
25	Neighbours/ recent buyers informed of infected herd status	
26	Fly, crow and predator control	
27	Destruction of afterbirths/abortions in a responsible manner	
28	Beware of livestock, game interface	

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

National Animal Health Forum

www.nahf.co.za

Read what the Forum is all about:

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

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

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

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

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

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

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

This link will continuously be updated.

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

Rural Veterinary Association of South Africa

www.ruvasa.co.za

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

Landbouweekblad's webpage

www.landbou.com

Kundiges

Vra vir Faffa

Lees alle antwoorde

Beeste

Siektes

Brusellose

The following can be typed in the "Soekblokkie"

Stop Brusellose

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

Rapportering aan bure of ander eienaars oor die voorkoms van brusellose

Inligting oor brusellose op die NAHF se webblad

Kuddebestuur voor die dekseisoen

Bees Brusellose handleiding

Teenliggaamwaardes om beesbrusellose in koeie te bepaal

Veterinêre Strategie 2016 -2026

'n Dosyn dinge wat jy moet weet van beesbrusellose

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

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

Vervoer van diere uit 'n positiewe brusellose kudde

Beheer van brusellose in 'n beeskudde

Boerderypraktyke wat die gevaar van die voorkoms van brusellose verhoog

Pak brusellose by die horings

Brucellose kan jou lewe verwoes

Brusellose in wild

Bestuur van positiewe besmetlike misgeboorte beeste

Aankoop van beeste wat besmetlike misgeboorte het

Antwoorde oor brusellose

Behandeling van besmetlike misgeboorte

Besmetlike misgeboorte uitbreek in 'n kudde

Gevaar van brusellose onderskat

RB51-inenting teen brusellose in dragtige koeie

Alles oor Besmetlike Misgeboorte (BM)

Kompensasie vir BM en TB positiewe beeste?

Nóg vrae oor besmetlike misgeboorte

Koeie positief getoets vir besmetlike misgeboorte

Vrae, antwoorde oor besmetlike misgeboorte

Brucellose: Wat staan ons te doen?

Internal parasite control

www.wormx.info

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

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

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

Insist on VENDOR'S DECLARATIONS when buying animals.

Quarantine

Immunization programmes

Speak to your veterinarian

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

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

Internal parasites

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

Internal parasites	MP	G	L	NW	FS	KZN	EC	wc	NC
Roundworms	х	х			х	х	х	х	
Resistant roundworms					х	x		х	
Wireworm	х	Х	х		х	x		х	Х
Brown stomach-worm								х	
Long-necked bankruptworm									
Large-mouthed bowelworm									
Nodularworm									х
Lungworm									
Eyeworm									
Parafilaria	Х					х			
Tapeworms	Х				х	х		х	
Liver fluke	х				х	х		х	
Conical fluke	х	Х				х			
Cysticercosis (measles)	х								

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

Internal parasite outbreaks have been reported from 7 provinces. Welcoming rain has fallen in some areas, this will soon result in parasite outbreaks. Young and pregnant animals are the most vulnerable! Use the five point check in sheep to keep on top of what is happening in the flock. For further detail contact your local veterinarian. Treatment is but one of many actions in the holistic management approach to control internal parasites.



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

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

www.wormx.info

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

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

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

Prevention of Cryptosporidiosis

Since there is no vaccine or registered treatment for *Cryptosporidium*, prevention is the best control method. Animals with a well developed immune system will generally easily overcome *Cryptosporidium* thus this must be the main aim in controlling *Cryptosporidium*. A consistent, vet approved and farm appropriate vaccination program for other diseases. Ensure no nutritional deficiencies especially vitamin A and Selenium Excellent bio-security

Ensure clean pathogen free water sources

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	
Resistant blue ticks					Х	х		х	
Heartwater ticks	х	х				х	Х		
Brown ear-ticks	х	х			Х	х		х	
Bont-legged ticks	х	х		х	Х	х	Х	х	х
Red-legged ticks	х			х	Х			х	
Paralysis ticks					Х	х	Х		
Tampans									
Biting lice	х				Х	х			х
Sucking lice				х	Х				х
Fleas									
Itch mites							Х		
Sheep scab									х
Mange mites	х			х	Х				
Nuisance flies	x			х	Х	х	Х	х	
Midges						х		х	
Mosquitoes						х		х	
Blowflies	х	х			Х			х	
Screw-worm									

Gedoelstia (uitpeuloogsiekte)						
Nasal bot		х	х	Х	х	

Blue tick infestations were reported from 6 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, especially in areas where summer rains fell. 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	
Asiatic red water	x	х		х	Х	х	х	х	
Anaplasmosis	x		х	х	Х	х	x	х	Х
Heartwater	х	х	х	х		х	х		
Lumpy skin disease				х		х			
Corridor disease									
Theileriosis									

Asiatic red water (6 provinces) is spreading and is one of the deadliest diseases in cattle.

Numerous mortalities were reported!

Heartwater outbreaks were reported from 6 provinces.

The keyword is vaccinate your animals! Contact your veterinarian.

Anaplasmosis outbreaks were reported in 8 provinces.

Tick toxicosis

Tick toxicosis	MP	G	L	NW	FS	KZN	EC	wc	NC
Sweating sickness					x	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			
Ephemeral fever (Three-day-stiff sickness)						х		х	
Blue tongue		х						х	
Rift Valley Fever									
Wesselsbron									
Nagana						х			

Insect transmittable diseases will increase after the first spring rain. Have you vaccinated your animals?

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	X	х	х		
Vibriosis	х		х	х	х	х	х	х	
Pizzle disease									
Actinobacillus seminis plus HPA									

New cases of **trichomonosis** are reported every month and this disease is out of control. **Make sure to** buy bulls from farmers where biosecurity measures are in place and bulls are tested for these diseases at regular intervals. Trichomonosis were reported from 5 provinces and vibriosis fom 7 provinces.

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

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

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

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

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

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

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

Bacterial diseases

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

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

Salmonellosis				х	х	х			
Klebsiella									
Bovine brucellosis	х	х	х	х	х		х		
Brucella melitensis (goats)									
Ovine brucellosis (Ram's disease)	х				х			х	
Bovine tuberculosis									
Johne's								х	
Leptospirosis									
Listeriosis								х	
Pseudomonas									
Pasteurella multocida									
Pasteurellosis (see pneumonia -lungs)								х	х
Fusibacterium necrophorum									
Septicaemia						х			
E. coli	х	х		х	х	х	х	х	х
Klebsiella						х			
Coxiella									
Mycoplasma									
Enzootic abortion					х		х	х	
Lumpy wool (Dermatophilus)									
Bovine dermatophilosis (Senkobo disease)									
Uterine gangrene								х	х
Wooden tongue									
Lumpy jaw							х		

Multiclostridial vaccines should be used if blackquarter outbreaks still occur when only using a vaccine containing *Clostridium chauvoei*. Remember to give a booster vaccine when using an inactivate vaccine for the first time. Read the packet insert!! Study the table above and determine the risk for animals on your farm.

Get advice from your veterinarian on *Cryptosporidium/E. coli* outbreaks in your area and what to do to prevent losses in lambs and calves.

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

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

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

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

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

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

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	x	х	х		х
Rabies (cattle)				х					

BVD	х				х			х	X
IBR						х			
BRSV									
PI3									
Maedi visna virus									
Rotavirus / Coronavirus						х	х		
Enzootic bovine leucosis (EBL)		х				x	х	х	
Sheep leucosis									
Jaagsiekte									
Orf	х			х	х	х	х	х	
Warts	х	х	х	х	х	х	х	х	х
Herpes mammillitis									

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

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

Keep cattle and wildebeest well separated especially when wildebeest are under stress to prevent snotsiekte outbreaks! There is also a sheep associated form of the disease. Reports received from 5 provinces!

Discuss vaccination programmes and biosecurity measures with your veterinarian.

Fungal diseases

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

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

Protozoal diseases

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

Toxicities

The following toxicities were reported by practices in the provinces:

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

		1					
Chrysocoma ciliata (bitterbos)							
Solanum incanum (maldronksiekte)							
Gomphocarpus (Asclepias) fruticosus							
(milkweed)							
Heliotropium (potato weed)							
Bracken fern							
January bush (Gnidia polycephalatus)							
Chinkerinchee						х	
Ceylons rose							
Datura							
Sarcostemme viminale (melktou, caustic							
bush)							
Malva parviflora (kiesieblaar)							
Bitou							
Cotula nigellifolia (Stagger weed,							
stootsiektebossie)							
Eucalyptus (bloekom) bark							
Kikuyu							
Ryegrass						х	
Lush pastures (Dikkop)							
Ganskweek							
Paspalum staggers							
Phalaris aquaticum (Phalaris staggers)							
Photosensitivity (Turknael, <i>Erodium</i> moschatum)							
Photosensitivity (Stellenbosch)						x	
			1	l	l	L	L

Photsensitivity			х				
Lusern							
Mycotoxicosis						х	
Apergillus							
Aflatoxin	х						
Diplodiosis							
Lupins							
Harpuisbos							
Syringa berries	х						
Acorn							
Cycad							
Kraalbos, Geelbos (Galenia africana)							
Radish							
Carrot poisoning							
Onion poisoning							
Bracken fern							
Pollen beetle (Astylus atromaculatus)							
Water contamination						х	
Nitrate						х	
Tannins							
Urea		х	х	х	х	х	
Salt							
Wet carcase syndrome							
Snake bite	x		х				х

Moth cocoons (impaction)						
Blue green algae						
Copper					х	
Selenium						
Zinc						
Zinc sulphite	х					
Fluoride						
Lead						
Paraquat						
Phosamine						
Aldicarb						
Organophosphate						
Zinc phosphide						
Xanthium			X			
Pyrethroid						
Amitraz						
Levamisole						
Ivermectin						
Moxidectin						
Oxytetracycline						
Tilmicosin						
Bromoxynil nitrate						
lonophor						
Monensin						

Нуро					
Diazinon					
Glyphosate					
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! (Outbreaks reported in 7 provinces) Dosage: 2 gram per Kg body weight, 1 Kg charcoal for 500kg animal. Toxic plants are sometimes eaten by young animals that do not know these plants. Be aware of this situation and know where these plants are growing on the farm.

Nutritional deficiencies

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

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

Drought conditions are still present in many areas!

Micro-nutritional and vitamin deficiencies

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

Deficiencies	MP	G	L	NW	FS	KZN	EC	WC	NC	

lodine				х			
Copper	х			х		х	
Zinc				х	х	х	
Selenium	х			х	х		х
Magnesium							
Manganese							
Vitamin A			x	x	x	x	
Vitamin B 1				х		х	

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

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

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

Beware of fluoride poisoning as borehole water levels drop.

Supplement animals with vitamin A and Zinc during drought conditions.

Multifactorial diseases and other conditions

The following conditions were reported by practices in the provinces

Multifactorial diseases and other conditions	MP	G	L	NW	FS	KZN	EC	WC	NC
Abortions	х	х		х	х	х	х	х	х
Stillbirths	х				х	х			х
Abscesses	х	х	х	х	х	х	х	х	х
Intestinal ulcers									
Bladder stones –urolithiasis	х				х			х	х
Blindness					х	х		х	х

Blue udder	Bloat	x			X	х	x	х	х
Epididymitis x <t< td=""><td>Blue udder</td><td>х</td><td></td><td></td><td>х</td><td></td><td>х</td><td>х</td><td></td></t<>	Blue udder	х			х		х	х	
Eye cancer x	Diarrhoea	х	х	х	х	х	х	х	х
Eye infections	Epididymitis				х			х	
Vestibular syndrome (middle ear infection) Skin lymphoma Joint ill X X X X X X X X X X X X	Eye cancer			х	х	х	х	х	
Skin lymphoma X <	Eye infections	х		х	х	х	х	х	х
Joint ill	Vestibular syndrome (middle ear infection)								
Cystitis Lameness/foot problems X X X X X X X X X X X X X X X X X X	Skin lymphoma								
Lameness/foot problems X X X X X X X X X	Joint ill	х		х	х	х	х	х	
Lung infection	Cystitis								
Mastitis x x x x x x x x x x x x x x x x x x x	Lameness/foot problems	х	х	х	х	х	х	х	
Navel ill x x x x x x x x x x x x x x x x x	Lung infection	х	х	х	х	х	х	х	х
Umbilical hernia Red gut (sheep, torsion of gut) X Rectal prolaps Rumen stasis Abdominal impaction Abdominal hernia Floppy kid synrome Swelsiekte Traumatic reticulo-pericarditis X X X X	Mastitis	х	х	х	х	х	х	х	
Red gut (sheep, torsion of gut) Rectal prolaps Rumen stasis Abdominal impaction Abdominal hernia Floppy kid synrome Swelsiekte Traumatic reticulo-pericarditis x x x x x	Navel ill	х		х	х	х	х	х	
Rectal prolaps Rumen stasis Abdominal impaction Abdominal hernia Floppy kid synrome Swelsiekte Traumatic reticulo-pericarditis x x x	Umbilical hernia								
Rumen stasis Abdominal impaction Abdominal hernia Floppy kid synrome Swelsiekte Traumatic reticulo-pericarditis x x x	Red gut (sheep, torsion of gut)	х							х
Abdominal impaction Abdominal hernia Floppy kid synrome Swelsiekte Traumatic reticulo-pericarditis x x x	Rectal prolaps								
Abdominal hernia Floppy kid synrome Swelsiekte Traumatic reticulo-pericarditis x x x	Rumen stasis								
Floppy kid synrome Swelsiekte Traumatic reticulo-pericarditis x x x	Abdominal impaction								
Swelsiekte Traumatic reticulo-pericarditis x x x	Abdominal hernia								
Traumatic reticulo-pericarditis x x x	Floppy kid synrome								
	Swelsiekte								
Trauma x x x x	Traumatic reticulo-pericarditis		x			х		х	
	Trauma	х				х		х	х

Teeth wear								
Plastic bags (ingestion)								
Downer	х	х		x	х	x	x	х
Anaphylactic shock								
Vestibular syndrome (middle ear infection)	х							
Hernia								
Deformaties								

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

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

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	
Displaced abomasum						х		x	
Ketosis (Domsiekte)	х				x	x	х	x	
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 maize fields.

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

Reproductive diseases

Reprod	uctive diseases	MP	G	L	NW	FS	KZN	EC	wc	NC

Dystocia (difficult births)	x	Х	х	X	х	х	x	х	х
Endometritis					х	х		х	
Metritis				х	х	х	х	х	
Hydrops								х	
Poor conception	х			x	х	х	х	х	
Retained afterbirth	х			x	х	х	х	х	х
Sheath prolaps		х	х			х			х
Uterine prolaps	х	х		х	х	х	х	х	х
Vaginal prolaps	х	х		х	х	х	x	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	
Frozen to death									
Heat stress	х					х		х	
Lightning	х				х				
Electrocution									
Drought	х	х	х		х	х	х	х	х

Other conditions

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

Cape Town - Dr. Sophette Gers

Malalane – Drs. Van Sittert and Van Sittert

Mokopane – Dr. Alwyn Venter

Nelspruit – Dr. Silke Pfitzer

Stellenbosch - Dr. Annelie Cloete

Tulbagh - Dr. Dirk Trichardt

Vaalwater – Dr. Hampie van Staden

Vaalwater - Dr. Annemieke van der Goot

Vanderbylpark- Dr. Kobus Kok

Wellington – Dr. William van Zyl

Ostriches

Western Cape

Oudtshoorn

Entero	New season chicks – form day 3-14. Stress trigger like heat. Acute
typhlocolitis	mortalities, early treatment effective
necrotic	
Mycoplasma -	3 – Cold / immune compromise and dust – <i>Mycoplasma</i> , going
Airsacculitis	over into secondary infections <i>E. coli</i> etc.
Eye and upper	3 - Season change – Dust and cold winds with return of late
respiratory tract	season growers from the rearing farms lead to a multi disiplinary
problems	rhinitis and conjunctivitis. In gets worse with secondary infections or moving down to the airsacs
Cryptosporidiosis	3 - Chicks soil ingestion on wet spots/ stress displaced behaviour,
	cold weather keeping indoors for longer than expected.
Diarrhoea	3 - Displaced behaviour of return growers – sand ingestion –
	mechanical diarrhoeas

Equines

Gauteng

Pretoria

Arthritis - 1

Limpopo

Makhado

Theileria – 2

Kokstad

Theileriosis - 2

Game

Mpumalanga

Lydenburg

Wireworm – 1

Screw-worm – 1

Abscesses -1

Gauteng

Pretoria

Heartwater tick – 2 Bont-legged tick – 2 Gomphocarpus fructicosis poisoning – 2 Lameness - 1

Eye infection (Moraxella) - 2

Limpopo

Modimolle

Wireworm – Sable outbreak in a herd

Screw-worm – Kudu breeding bull (63") with screw-worm larvae in ear; poor condition, died in spite of treatment

Gedoelstia infestation – five nyala with eye infection

Monthly report on Livestock and Wildlife isolations for October 2019 from Vetdiagnostix – Microbiology Laboratory, supplied by dr. Marijke Henton (henton@vetdx.co.za)

Enteritis and septicaemia due to *E. coli* in calves predominated [39 cases] this month. *Cryptosporidium* was only seen on 2 of the direct smears, confirming what is stated in the RuVASA guidelines; that smears are insensitive and far better results are obtained on histopathology. Four of the cases were ESBL producers, and these isolates, which are resistant to all the penicillins and cephalosporins, are also resistant to many other antibiotics as well. Antibiotic resistance and virulence tests are not related to each other at all, as the genes are independently inherited.

The *E. coli* virulence tests were positive for several cases. On two farms, where the affected calves were between 2 and 6 weeks old, there was inflammation of the intestine with gas and watery ingesta. The virulence factor tests indicated that the *E. coli* isolates were enteropathogenic [EPEC] strains which usually affect calves between 2 and 8 weeks old. Another farm, where the affected calves were a month old, yielded both enterotoxigenic *E. coli* [ETEC] which causes watery diarrhoea and necrotoxigenic *E. coli* [NTEC] which causes enteritis and septicaemia. The problems on the farms were multifactorial, and rotavirus and *Cryptosporidium* were also diagnosed.

Autogenous vaccines prepared from the strains yielding the virulence factors should be very helpful in controlling overall diarrhoeal disease on these farms.

Other cattle isolates were *Pasteurella multocida* [2], *Histophilus somni* and *Mannheimia* biovar 8C from respiratory tract infections, *Moraxella bovis* from keratoconjunctivitis, and *C. chauvoei* [4] and *C. novyi* [2] from clostridial myositis.

Respiratory tract infections in small stock were due to *Mannheimia haemolytica, Bibersteinia trehalosi* [was previously *Pasteurella haemolytica* T] and *Staphylococcus pseudintermedius*.

Only two cases of enteritis in lambs were received; one was due to *E. coli* and the other *Cryptosporidium*. Abscesses were caused by *Corynebacterium pseudotuberculosis* and *Trueperella pyogenes*. Arthritis was due to a methicillin resistant strain of *Staphylococcus aureus*.

Septicaemia and enteritis in pigs was caused by E. coli [3], and pneumonia by Pasteurella multocida.

Wildlife: *Trueperella pyogenes* was isolated from a wound in a sable, and *Streptococcus dysgalactiae* [equisimilis] and *Staphylococcus pseudintermedius* from one in a white rhino. Clostridial myositis in a rhino yielded *Clostridium novyi*.

Feedlot report received from Drs. Shaun Morris and Eben du Preez for October 2019 (edupreez1@telkomsa.net)

Condition	Comments and Specie
Intestinal roundworms	O 3
Liver fluke worms	B 3, O 1
Parafilaria	B 2
Cysticercosis	В 3
Cryptosporidiosis	В 3
Blue ticks	В 3
Red-legged ticks	B 3, O 2
Sarcoptes mites	B 2
Itch mite	O 2
Blackleg	B 2
Red gut	В 3
Blood gut	O 3
Botulism	В 3

Haemorrhagic septicaemia	B 1				
(Pasteurella multocida B)					
Pulpy kidney	O 3				
E. coli	B 2				
Ringworm	В 3				
Foot and Mouth Disease	В 3				
IBR	В 3				
BVD	B 2				
Warts	В 3				
Urea poisoning	B 2				
Protein deficiency	В 3, О 3				
Energy deficiency	В 3, О 3				
Phosphate deficiency	В 3				
Calcium deficiency	O 3				
Vitamin A deficiency	B 3, O 3				
Vitamin B 1 deficiency	В 3, О 3				
Copper deficiency	В 3				
Zinc deficiency	В 3				
Selenium deficiency	В 3				
Acidosis	B 3, O 3				
Joint ill	B 1				
Lameness	В 3				
Lungs	B 3, O 3				
Diarrhoea	B 3, O 3				
Eyes	В 3, О 3				

Abscesses	B 3,O 3
Dystocia	В 3
Heat stroke	В 3
Trauma	В 3, О 3
Pericarditis	В 3
Deaths reported by farmers:	
Cattle: anaplasmosis, pneumonia , acidosis	
Sheep: tetanus, pulpy kidney	

Monthly report on Livestock and Wildlife isolations for Octoberr 2019 from IDEXX Laboratories supplied by dr. Liza du Plessis (<u>Liza-DuPlessis@idexx.com</u>)

Condition	Comments and Specie
Cryptosporidiosis	B 1, O 1
Coccidiosis	0 1
Red gut	G 1
Pulpy kidney	C 1
E. coli	B1, O1, G 1
Septic bacterial infection	B 2
Bacterial enteritis	B 1, O 1, P 1
Abscesses	G 1
BMC (snotsiekte)	B 2
Lung infection - bacterial	B 2, C 1
Rhabdomyolysis (muscle condition)	E 1
Equine sarcoid	E 2

Acidosis	B 1, G 1
Protein/Energy malnutrition	G 1
Copper toxicity	0 2



Section of Pathology Department of Paraclinical Sciences Faculty of Veterinary Science

14th Nov, 2019 DAFF Import/Export Policy Unit Subdirectorate

Monthly report: Faculty of Veterinary Science cases Wildlife cases sent to referring veterinarians between 23rd August and 25th Oct 2019

Cases from State vet Skukuza or Orpen

Cases imported with master permit (Vetswana, Botswana permit 6/4/3/1/0002442; Cites15760/206271)

PMDate	Species	Final	Histo No
25-Jul-19	Greater Kudu	Normal tissues (tuberculosis monitoring)	S2396-19
20-Aug-19	African Elephant	Normal tissues (TB surveillance)	S2680-19
20-Aug-19	Chacma baboon	Normal tissues (TB monitoring)	52682-19
20-Aug-19	Dwarf mongoose	Granulomatous hepatitis, splenitis	S2674-19
20-Aug-19	Hippopotamus	Normal lymph nodes (TB surveillance)	52681-91
20-Aug-19	African Elephant	Normal lymph nodes (TB monitoring)	S2676-19
20-Aug-19	Lion	Killed by lion (TB monitoring)	52673-19
20-Aug-19	Cheetah	Chronic renal disease, oxalate nephrosis, gastritis	\$2665-19
21-Aug-19	Lion	Normal reproductive tract	S2698-19
21-Aug-19	Cheetah	Chronic renal disease, hepatic amyloidosis	\$2687-19
30-Aug-19	Cheetah	Hepatic and renal amyloidosis	\$2789-19
04-Sep-19	Cheetah	Gastritis monitoring	\$2843-19
11-Sep-19	Cheetah	Feline infectious peritonitis	S2940-19
13-Sep-19	Cheetah	Cryptococcosis	52966-19

Kind regards,

Dr. Emily Mitchell

DISEASE DISTRIBUTION REPORT AS REPORTED BY VETERINARIANS

D152A52 D151R1D5116R	REPORT AS REPORTED DI VETERINARIANS
Table of Contents	
<u>Internal Parasites</u>	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, Mosquitoes, Other
<u>Tick-borne Diseases</u>	African red water, Asiatic red water, Anaplasmosis, Heartwater, Sweating Sickness
Insect Transmittable Diseases	Lumpy skin disease, Three-day-stiffsickness, Blue tongue, Nagana
<u>Venereal Diseases</u>	Trichomonosis, Vibriosis
Bacterial Disease (other)	Blackquarter, Botulism, Pulpy Kidney, Lamb dysentry, Swelled head disease, Redgut (cattle), Blood gut (Sheep), Tetanus, Salmonellosis, Brucella abortus, Brucella ovis, Johne`s disease, Septicaemia, E. coli, Enzootic Abortion, Intrauterine Gangrene, Listeriosis, Other, Pasteurellosis, Klebsiella
Protozoal diseases (other)	Coccidiosis, Cryptosporidium
Fungal diseases	<u>Ringworm</u>
<u>Viral Diseases (other)</u>	BMC, Rabies, BVD (Bovine viral diarrhoea), IBR (Infectious bovine rhinotracheitis), Enzootic Bovine Leucosis (EBL), Orf, Warts, Rota virus, Corona Virus
Poisonings (Plant) and Fungal	Cardiac glycoside poisoning, <i>Cestrum</i> , <i>Cynanchum</i> poisoning, Facial eczema, Geeldikkop/Dikoor, Gifblaar, <i>Lantana</i> , Lupine Poisoning, <i>Nenta</i> poisoning (Krimpsiekte), Nitrate poisoning, Prussic acid poisoning, Rye grass poisoning, Tulip Poisoning, Mycotoxicosis, Other
<u>Poisonings</u>	Urea Poisoning, Snake Bite, Copper Poisoning, Chemical products, Other
Macro Nutritional Problems	Energy deficiency, Protein deficiency, Phosphate deficiency, Calcium deficiency
Micro Nutritional Problems	<u>Iodine deficiency, Copper deficiency, Zinc deficiency, Selenium deficiency, Vitamin A deficiency, Vitamin B deficiency</u>
Multi-factorial Disease Conditions	Abortions, Stillbirths, Abscesses, Abscesses in general, Bladder stones, Blindness, Bloat, Blue udder, Diarrhoea, Epididymitis, Eye Cancer, Eye infections, Joint Ill, Lameness/Foot Problems, Lung

	infection, Mastitis in general, Navel III, Red gut (Sheep), Trauma, Downer, Other, Vestubular syndrome (Middle einfection)	<u>ear</u>
Metabolic Diseases	Acidosis, Displaced abomasum, Ketosis, Milk Fever	
Reproductive diseases	Dystocia (Difficult Births), Endometritis, Metritis, Poor conception afterbirth, Sheath Prolaps, Uterus prolaps, Vaginal (Cervical) prol	•
Climatical Cause	Cold exposure, Drought, Heat stress, Lightning	
Non specific diseases	Genetic disorders, Preditors, Sabotation/Theft, Trauma, Veld fires, Traumatic Reticulo-pericarditis	
Internal Parasites		
Roundworms in general		^

Roundworms in general								^	
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.5 (2)	1.3 (4)			2.5 (8)	1.9 (9)	1.0 (2)	2.1 (9)	

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

Beef		1.0 (1)	3.0 (1)	1.7 (3)			
Sheep	1.5 (2)	1.5 (2)	2.4 (7)	2.0 (4)	1.0 (1)	2.3 (8)	
Goat		1.0(1)		2.0 (2)	1.0 (1)	1.0 (1)	

Mpumalanga

Balfour, Balfour Dierekliniek

Sheep: 1

Middelburg , Middelburg Dierehospitaal

Sheep: 2

Gauteng

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1, Sheep: 1, Goat: 1

Free State

Bloemfontein, Dr Stephan Wessels

Sheep: 3

Clocolan, Clocolan Dierekliniek

Sheep: 2

Ficksburg, Oosvrystaat Diere Produkte

Sheep: 1

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Sheep: 2										
Ladybrand, Ladybrand Dierekliniek										
Sheep: 3										
	on, Viljoenskro	on Dierel	kliniek							
Sheep: 3										
Kwazulu-Na	atal									
	ugela Vet Clini	c								
Beef: 2, Sheep: 2, Goat: 2										
Estcourt, Estcourt Vet Clinic										
Sheep: 2, Go										
	Mooirivier Vet	Clinic								
Beef: 1, Shee										
	Mtubatuba Ar	nimal Clin	ir							
Beef: 2	r-icabacaba Ai	iiiiai Ciiii								
	yheid Privaat \	/ooartco								
Sheep: 2	yileiu Fiivaat v	recai tse								
Eastern Cap	10									
	p, Humansdor	n Veterin:	ary Clinic							
Sheep: 1	p, mamansuul	P veterille	ary Chillic							
	Witelsbos Vete	rinary Co	ncultina D	ooms						
Goat: 1	witeisbos vete	i iliai y Co	iisuiuiig K	COIIIS						
	no									
Western Cape Caledon, Caledon Dierekliniek										
Sheep: 2	iledoli Dielekii	IIICK								
	erberg Veterii	nary Hoen	ital							
	reibeig veteili	нагу поѕр	ıtaı							
Sheep: 2 Darling, Tygerberg Dierehospitaal Darling										
	jerberg bieren	iospitaai t	Jarning							
Sheep: 2										
Nematodirus		! !								
	orge Animal Ho	ospitai								
Sheep: 3	(14.6) 11.1.1.1.11									
	(WC), Heidelb	erg Dierei	KIINIEK							
Sheep: 2	N4 - 1 1-	D'	.*							
	y, Malmesbury	Dierenos	pitaai							
Sheep: 2										
	ırg, Moorreesb	urg Diere	Kliniek							
Sheep: 3										
	h, Stellenbosc	h Animal	Hospital							
Goat: 1										
	Durban Straat	Diereklin	iek Worce	ster						
Sheep: 2										
Resistant	t Round Wo	rme							^	
resistant	- Itouria Wo								_	
		_		North	Free	Kwazulu-	Eastern	Western	Northern	
PROVINCE	Mpumalanga	Gauteng	Limpopo	West	State	Natal	Cape	Cape	Cape	
									<u>-</u>	
					3.0					
Average						2.0(2)		2.0 (3)		
					(2)					
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases										
reported										
					3.0					
Sheep					(2)	2.0 (2)		2.0 (3)		
					$-(\Delta)$					

Free State

Bloemfontein, Dr Stephan Wessels

Sheep: 3

Ladybrand, Ladybrand Dierekliniek

Sheep: 3

Kwazulu-Natal

Eshowe, Eshowe Veterinary Hospital

Sheep: 2

Vryheid, Vryheid Privaat Veeartse

Sheep: 2
Western Cape

Darling, Tygerberg Dierehospitaal Darling

Sheep: 1

George, George Animal Hospital

Sheep: 3

Malmesbury, Malmesbury Dierehospitaal

Sheep: 2

Wireworm									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.5 (4)	2.3 (3)	2.0 (1)		2.2 (5)	2.0 (1)		2.3 (4)	3.0 (1)

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

Sheep	2.5 (2)	2.5 (2)	2.0 (1)	1	2.2 (5)	2.0 (1)	2.3 (4)	3.0 (1)
Goat	2.5 (2)	2.0 (1)						

Mpumalanga

Lydenburg, Longtom Dierekliniek

Sheep: 3, Goat: 3

Nelspruit, Nelspruit Animal Hospital

Goat: 2

Piet Retief, Pets Vet Hospital

Sheep: 2
Gauteng

Hammanskraal, Themba Animal Clinic

Sheep: 2, Goat: 2

Muldersdrift, Muldersdrift Animal Hospital

Sheep: 3

Hypoproteinaemia

Limpopo

Makhado, Blouberg Dierekliniek

Sheep: 2
Four cases
Free State

Clocolan, Clocolan Dierekliniek

Sheep: 2

Hoopstad, Hoopstad Dierekliniek

Sheep: 3

Sheep: 3										
	gepoort Dierek	diniek Ve	nnootskap							
Sheep: 2										
	n, Wesselsbro	n Dierekli	niek							
Sheep: 1										
(wazulu-Na										
	zburg, Veterin	ary House	Hospital							
heep: 2										
Vestern Ca	•	! !								
	orge Animal Ho	ospitai								
Sheep: 3	(WC), Heidelbe	ora Dioro	diniok							
Sheep: 2	(WC), neidelb	erg Diere	Kiiniek							
	y, Malmesbury	Dioroboo	nitaal							
Sheep: 2	y, Maimesbury	Dierenos	pitaai							
•	Riversdal Dier	okliniok								
Sheep: 2	Kiveisuai Diei	CKIIIICK								
lorthern Ca	ane									
	ape Karoo Veterina	rv Hosnit	ـــــــــــــــــــــــــــــــــــــ							
Sheep: 3	Raioo Veteiiila	ii y i iospic	,aı							
леср. Э										
Brown st	omach-wor	m								
				North	Free	Kwazulu-	Eastern	Western	Norther	
PROVINCE	Mpumalanga	Gauteng	Limpopo	West	State	Natal	Cape	Cape	Cape	
Average								1.5 (2)		
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than :	10 cases	
Sheep								1.5 (2)		
Western Ca								1.0 (2)		
	(WC), Heidelbe	ora Dioro	kliniek							
Sheep: 2	(WC), Heidelb	erg Diere	KIIIICK							
•	Riversdal Dier	ekliniek								
Sheep: 1	Riversaar Dier	CKIIIICK								
Nodular v	worm									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Norther Cape	
Average									2.0 (1	
	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than 1	10 cases	
reported			Sheep 2.0 (1)							
<u> </u>										
<u> </u>	эре									
Sheep Northern Ca	ape Karoo Veterina	ry Hospit	al							

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average	1.3 (4)				2.0 (5)	1.5 (2)		2.0 (3)		
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(1)									
Sheep	1.0 (2)				2.0 (5)	1.5 (2)		2.0 (3)		
Goat	2.0 (1)									
Mpumalang		·								
	four Diereklin	iek								
Beef: 1, Shee		ion .								
	, Middelburg I	Dierehosp	itaal							
Sheep: 1	,	-								
Nelspruit, N	lelspruit Anima	al Hospita	ı							
Goat: 2										
Free State										
	Dosvrystaat Di	ere Produ	kte							
Sheep: 3										
	land Dierehos	pitaal								
Sheep: 2										
	on, Viljoenskr	oon Dierei	kliniek							
Sheep: 2	gepoort Dierel	diniak Va	nnootskar							
Sheep: 2	gepoort Dierei	dilliek ve	шооськар	,						
	n, Wesselsbro	n Dierekli	niek							
Sheep: 1	11, 11 033013010	ii Dici cikii	IIICK							
Kwazulu-Na	atal									
Dundee, En	dumeni Herd l	nealth								
Sheep: 1										
Pietermarit	zburg, Veterin	ary House	Hospital							
Sheep: 2										
Western Ca										
	gerberg Diereh	ospitaal [Darling							
Sheep: 2										
	orge Animal H	ospital								
Sheep: 3	. Malmaah	Diawahaa	-:tI							
Sheep: 1	y, Malmesbury	Dierenos	pitaai							
эпеер. 1										
Parafilari	ia								^	
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 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)			
Mpumalang	а								
Lydenburg,	Longtom Dier	ekliniek							
Beef: 3									
Kwazulu-Na	atal								
Mtubatuba,	Mtubatuba Ar	nimal Clin	ic						
Beef: 2									
Liver fluk	æ								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (4)				1.8 (4)	1.8 (6)		1.6 (5)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	2.0 (2)				1.5 (2)	1.6 (5)		1.7 (3)	
Dairy						3.0 (1)		1.5 (2)	
Sheep	2.0 (2)				2.0 (2)				
Mpumalanga									
Balfour, Balfour Dierekliniek									
Beef: 2, Sheep: 2									
	Longtom Dier	ekliniek							
Beef: 2, Shee									
Free State	,								
Clocolan, Cl	ocolan Dierek	liniek							
Sheep: 2									
	Dosvrystaat Di	ere Produ	kte						
Beef: 1	,								
	nel Veterinary	Clinic							
Beef: 2	,								
	gepoort Dierel	kliniek Ve	nnootskar)					
Sheep: 2									
Kwazulu-Na	atal								
	ugela Vet Clini	c							
Beef: 1	_								
	dumeni Herd h	nealth							
Beef: 2									
	tcourt Vet Clir	nic							
Beef: 1, Dairy: 3									
Mtubatuba, Mtubatuba Animal Clinic									
Beef: 1									
	zburg, Veterin	ary House	Hospital						
Beef: 3									
Western Cape									
George, George Animal Hospital									
	Beef: 2, Dairy: 2								
	y, Dr Otto Krie	k							

Stellenbosch, Stellenbosch Animal Hospital Beef: 2											
Conical F	lukes										
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Average	2.5 (2)	1.0 (1)				2.0 (3)					
Level of importance scale: $1 = $ one case, $2 = $ more than one case but less than ten and $3 = $ more than $10 $ cases reported											
Beef 2.5 (2) 1.0 (1) 2.0 (2)											
Dairy											
Mpumalanga											
	lfour Diereklin	iek									
Beef: 2 Lydenburg, Longtom Dierekliniek											
	Longtom Dier	екипіек									
Beef: 3 Gauteng											
Pretoria, Anima Veterinary Consulting Rooms											
Beef: 1											
Kwazulu-Natal											
Estcourt, Estcourt Vet Clinic											
Dairy: 2											
•	zhura. Veterin	arv House	Hospital								
Pietermarit	zburg, Veterin	ary House	e Hospital								
Pietermarit Beef: 3	zburg, Veterin Underberg Ve										
Pietermarit Beef: 3											
Pietermarit Beef: 3 Underberg,	Underberg Ve										
Pietermarit Beef: 3 Jnderberg, Beef: 1 Cysticerc	Underberg Ve	terinary S	Surgery	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northeri Cape		
Pietermarit Beef: 3 Jnderberg, Beef: 1 Cysticerco	Underberg Ve	terinary S	Surgery								
Pietermarit Beef: 3 Jnderberg, Beef: 1 Cysticero PROVINCE Average Level of impe	Underberg Ve cosis Mpumalanga	terinary S	Surgery Limpopo	West	State	Natal	Cape	Cape	Cape		
Pietermarit Beef: 3 Jnderberg, Beef: 1 Cysticerc PROVINCE Average Level of imporeported	Underberg Ve cosis Mpumalanga 3.0 (1) ortance scale: 1	terinary S	Surgery Limpopo	West	State	Natal	Cape	Cape	Cape		
Pietermarit Beef: 3 Jnderberg, Beef: 1 Cysticero PROVINCE Average Level of imported Beef	Underberg Ve cosis Mpumalanga 3.0 (1) ortance scale: 1 3.0 (1)	terinary S	Surgery Limpopo	West	State	Natal	Cape	Cape	Cape		
Pietermarit Beef: 3 Jnderberg, Beef: 1 Cysticero PROVINCE Average Level of imported Beef Ipumalang Nelspruit, N	Underberg Ve cosis Mpumalanga 3.0 (1) ortance scale: 1 3.0 (1)	Gauteng = one case	Limpopo e, 2 = more	West	State	Natal	Cape	Cape	Cape		
Pietermarit Beef: 3 Jnderberg, Beef: 1 Cysticero PROVINCE Average Level of imported Beef Ipumalang Nelspruit, N	Underberg Ve cosis Mpumalanga 3.0 (1) ortance scale: 1 3.0 (1)	Gauteng = one case	Limpopo e, 2 = more	West	State	Natal	Cape	Cape	Cape		
Pietermarit Beef: 3 Jnderberg, Beef: 1 Cysticero PROVINCE Average Level of imported Beef Mpumalang Nelspruit, Name of the seef: 3	Underberg Ve cosis Mpumalanga 3.0 (1) ortance scale: 1 3.0 (1)	Gauteng = one case	Limpopo e, 2 = more	West	State	Natal	Cape	Cape	Cape		

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average	2.1 (8)			2.0 (1)	2.5 (4)	2.5 (8)	2.0 (1)	2.4 (5)		
Level of importance scale: $1 = $ one case, $2 = $ more than one case but less than ten and $3 = $ more than $10 $ cases reported										
Beef	2.2 (6)			2.0 (1)	2.3 (3)	2.5 (8)	2.0 (1)	2.5 (2)		
Dairy								2.3 (3)		
Sheep	2.0 (2)				3.0 (1)					
Mpumalang	a									
Balfour, Bal	four Diereklini	iek								
Beef: 1, Shee										
	Longtom Dier	ekliniek								
Beef: 3, Shee										
	Lydenburg Die	erespreek	kamer							
Beef: 3	Na*-1-1-11		•• •							
Beef: 1	, Middelburg [Dierenosp	ıtaaı							
	elspruit Anima	al Hosnita	I							
Beef: 3	eispi uit Aililli	ai iiospita	1							
Standerton,	Fconovet									
Beef: 2	LCOHOVCC									
North West										
Leeudorings	stad, Leeudori	ngstad Di	erekliniek							
Beef: 2										
Free State										
	loopstad Diere	ekliniek								
Beef: 3, Shee	•		_							
	Kroonstad Die	rehospita	al							
Beef: 2	noncest Diamet	diniak Va-	nn octobre :-							
Beef: 2	gepoort Dierek	viiiiek vei	шоосѕкар							
Kwazulu-Na	ital									
	ergville Veteri	narv Clini	С							
Beef: 3		,								
Bergville, Tu	ugela Vet Clini	c								
Beef: 2										
	dumeni Herd h	nealth								
Beef: 3										
	nowe Veterina	ry Hospita	al							
Beef: 3	Modirinie: V-+	Clinic								
Beef: 1	Mooirivier Vet	Clinic								
	Mtuhatuha Ar	nimal Clini	ic							
Mtubatuba, Mtubatuba Animal Clinic Beef: 2										
	zbura. Veterin	arv House	Hospital							
Pietermaritzburg, Veterinary House Hospital Beef: 3										
Beef: 3										

Beef: 3									
Eastern Cap	e								
	h, Hertzogbrug	g Diereklii	niek						
Western Ca	pe								
	orge Animal H	ospital							
Beef: 3, Dairy									
	(WC), Heidelb	era Diere	kliniek						
Dairy: 2	(110), 110,000	0.9 2.0.0							
	, Malmesbury	Dierehos	nitaal						
Beef: 2, Dairy			p						
	blue Ticks								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					3.0 (1)	2.0 (1)		3.0 (2)	
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Beef					3.0 (1)	2.0 (1)		3.0 (1)	
Dairy								3.0 (1)	
Free State									
Hoopstad, F	loopstad Diere	ekliniek							
Beef: 3									
Kwazulu-Na									
Pietermarit	zburg, Veterin	ary House	e Hospital						
Beef: 2									
Western Ca	ре								
	orge Animal H	ospital							
Beef: 3, Dairy	/: 3								
Heartwat	ter (Bont) ti	cks							^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.7 (7)	2.0 (3)				2.8 (4)	1.5 (2)		
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Beef	2.8 (4)	2.0 (1)				2.7 (3)			
Sheep	3.0 (1)	2.0 (1)							
Goat	2.5 (2)	2.0 (1)				3.0 (1)	1.5 (2)		
Mpumalang	a								
	Longtom Dier	ekliniek							
Beef: 3, Shee									
Lydenburg, Beef: 2	Lydenburg Die	erespreek	kamer						
DCCI. Z									

Middelburg ,	Middelburg	Dierehospitaal

Beef: 3, Goat: 2

Nelspruit, Nelspruit Animal Hospital

Beef: 3

Gauteng

Hammanskraal, Themba Animal Clinic

Sheep: 2, Goat: 2

Pretoria, Anima Veterinary Consulting Rooms

Beef: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 3

Dundee, Endumeni Herd health

Beef: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 3, Goat: 3
Eastern Cape

Bathurst, Dr Jane Pistorius

Goat: 2 Three cases

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 1 Jansenville

Brown ear-ticks									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.7 (3)	1.0 (1)			1.0 (1)	2.0 (1)		3.0 (1)	

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

Beef	1.7 (3)	1.0 (1)	1.0 (1)	2.0 (1)	3.0 (1)
------	---------	---------	---------	---------	---------

Mpumalanga

Lydenburg, Longtom Dierekliniek

Beef: 2

Middelburg , Middelburg Dierehospitaal

Beef: 1

Standerton, Econovet

Beef: 2

Gauteng

Pretoria, Anima Veterinary Consulting Rooms

Beef: 1 Free State

Reitz, Riemland Dierehospitaal

Beef: 1

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Western Cape

George, George Animal Hospital

Beef: 3									
Bont-legg	jed ticks								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (5)	2.0 (2)		2.4 (5)	2.3 (10)	2.5 (6)	3.0 (4)	2.0 (2)	2.0 (4)
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	2.0 (3)	2.0 (1)		2.5 (4)	2.3 (6)	2.5 (4)	3.0 (1)	2.0 (1)	2.0 (1)
Dairy		(3.0 (1)		1
Sheep	2.0 (2)	2.0 (1)		2.0 (1)	2.3 (4)	3.0 (1)	3.0 (1)	2.0 (1)	2.0 (2)
Goat						2.0 (1)	3.0 (1)		2.0 (1)
Beef: 3, Shee Lydenburg, Beef: 2 Gauteng Pretoria, An Beef: 2, Shee North West Christiana, G Beef: 3 Klerksdorp, Beef: 2, Shee Leeudorings Beef: 2 Ventersdorp Beef: 3 Free State Bloemfontei Beef: 3, Shee Hoopstad, H Beef: 3 Kroonstad, I Beef: 2, Shee Memel, Men Beef: 2	Longtom Dierop: 3 Lydenburg Dierop: 3 ima Veterinar p: 2 Christiana Die Klerksdorp Di p: 2 stad, Leeudori p, Ventersdorp p: 3 loopstad Diero Kroonstad Diero p: 2 nel Veterinary	erespreek y Consult rehospita erehospit ngstad Di Diereklir Wessels ekliniek erehospita	ing Rooms al aal erekliniek siek						
Beef: 3 Philippolis, I	Dierehospita Rowelsfontein		Spreekkan	ner					
Sheep: 3 Wesselsbroi Beef: 1, Shee	n , Wesselsbro p: 1	n Dierekli	niek						

Kwazulu-Na	atal								
	ergville Veteri	nary Clini	<u> </u>						
Beef: 3	ergville veteri	nary Cinn							
	ugela Vet Clini	ic							
Beef: 2, Goat									
	dumeni Herd l	nealth							
Beef: 3	admem mera i	icaitii							
	zburg, Veterin	arv House	Hosnital						
Beef: 2	zbarg, veterm	ary mouse	. Hospitai						
	yheid Privaat \	/eeartse							
Sheep: 3	yncia i rivaac (rccai tsc							
Eastern Cap	16								
	, Steynsburg [)ierehosni	itaal						
	y: 3, Sheep: 3, (ituui						
Western Ca		Jour. J							
	y, Groenkloof I	Diereklini	ek						
Beef: 2, Shee		DICI CKIIIII							
Northern Ca									
	ape Ilvinia Veearts	kliniak							
Sheep: 2	iiviilia veeai ts	KIIIIICK							
	(uruman Diere	kliniok							
Beef: 2	diulilali Diele	KIIIIEK							
	rg, Postmasbu	ra Diorok	liniak						
Sheep: 2, Go		ig Dielek	IIIIEK						
Зпеер. 2, Go	al. Z								
Red-legg	ed ticks								_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
PROVINCE Average	Mpumalanga	Gauteng	Limpopo		State				
Average				West 3.0 (1)	2.6 (7)	Natal	Cape	Cape 2.0 (2)	Саре
Average Level of imp	1.5 (4)			West 3.0 (1)	2.6 (7) e case b	Natal	Cape	Cape 2.0 (2)	Саре
Average Level of impreported	1.5 (4) ortance scale: 1			3.0 (1) e than one	2.6 (7) e case b	Natal	Cape	Cape 2.0 (2) more than 2	Cape
Average Level of impreported Beef	1.5 (4) ortance scale: 1 2.0 (2) 1.0 (1)			3.0 (1) e than one	2.6 (7) e case b 2.5 (4) 2.7	Natal	Cape	2.0 (2) more than : 2.0 (1)	Cape
Average Level of impreported Beef Sheep Goat	1.5 (4) ortance scale: 1 2.0 (2) 1.0 (1) 1.0 (1)			3.0 (1) e than one	2.6 (7) e case b 2.5 (4) 2.7	Natal	Cape	2.0 (2) more than : 2.0 (1)	Саре
Average Level of impreported Beef Sheep Goat Mpumalang	1.5 (4) ortance scale: 1 2.0 (2) 1.0 (1) 1.0 (1)	= one case		3.0 (1) e than one	2.6 (7) e case b 2.5 (4) 2.7	Natal	Cape	2.0 (2) more than : 2.0 (1)	Саре
Average Level of impreported Beef Sheep Goat Mpumalang Balfour, Bal	1.5 (4) ortance scale: 1 2.0 (2) 1.0 (1) 1.0 (1) 1a Ifour Diereklin	= one case		3.0 (1) e than one	2.6 (7) e case b 2.5 (4) 2.7	Natal	Cape	2.0 (2) more than : 2.0 (1)	Саре
Average Level of impreported Beef Sheep Goat Mpumalang Balfour, Bal Beef: 1, Shee	1.5 (4) 2.0 (2) 1.0 (1) 1.0 (1) 1.0 (1) 1.0 (2) 1.0 (3) 1.0 (1) 1.0 (1) 1.0 (1) 1.0 (1) 1.0 (1) 1.0 (1)	= one case	e, 2 = more	3.0 (1) e than one	2.6 (7) e case b 2.5 (4) 2.7	Natal	Cape	2.0 (2) more than : 2.0 (1)	Саре
Average Level of impreported Beef Sheep Goat Mpumalang Balfour, Bal Beef: 1, Sheet Lydenburg,	1.5 (4) ortance scale: 1 2.0 (2) 1.0 (1) 1.0 (1) 1a Ifour Diereklin	= one case	e, 2 = more	3.0 (1) e than one	2.6 (7) e case b 2.5 (4) 2.7	Natal	Cape	2.0 (2) more than : 2.0 (1)	Саре
Average Level of impreported Beef Sheep Goat Mpumalang Balfour, Bal Beef: 1, Sheet Lydenburg, Beef: 3	1.5 (4) 2.0 (2) 1.0 (1)	= one case	e, 2 = more	3.0 (1) than one	2.6 (7) e case b 2.5 (4) 2.7	Natal	Cape	2.0 (2) more than : 2.0 (1)	Саре
Average Level of impreported Beef Sheep Goat Mpumalang Balfour, Bal Beef: 1, Sheet Lydenburg, Beef: 3 North West	1.5 (4) 2.0 (2) 1.0 (1) 1.0 (1) 1.0 (1) 1.0 (1) 1.0 (1) 1.0 (1) 1.0 (2) 1.0 (3) 1.0 (4)	= one case	e, 2 = more	3.0 (1) than one	2.6 (7) e case b 2.5 (4) 2.7	Natal	Cape	2.0 (2) more than : 2.0 (1)	Саре
Average Level of impreported Beef Sheep Goat Mpumalang Balfour, Balleef: 1, Sheel Lydenburg, Beef: 3 North West Christiana,	1.5 (4) 2.0 (2) 1.0 (1)	= one case	e, 2 = more	3.0 (1) than one	2.6 (7) e case b 2.5 (4) 2.7	Natal	Cape	2.0 (2) more than : 2.0 (1)	Саре
Average Level of impreported Beef Sheep Goat Mpumalang Balfour, Bal Beef: 1, Sheet Lydenburg, Beef: 3 North West Christiana, Beef: 3	1.5 (4) 2.0 (2) 1.0 (1) 1.0 (1) 1.0 (1) 1.0 (1) 1.0 (1) 1.0 (1) 1.0 (2) 1.0 (3) 1.0 (4)	= one case	e, 2 = more	3.0 (1) than one	2.6 (7) e case b 2.5 (4) 2.7	Natal	Cape	2.0 (2) more than : 2.0 (1)	Саре
Average Level of impreported Beef Sheep Goat Mpumalang Balfour, Bal Beef: 1, Sheet Lydenburg, Beef: 3 North West Christiana, Beef: 3 Free State	1.5 (4) ortance scale: 1 2.0 (2) 1.0 (1) 1.0 (1) a lfour Diereklin ep: 1, Goat: 1 Lydenburg Die Christiana Die	= one case iek erespreek	e, 2 = more	3.0 (1) than one	2.6 (7) e case b 2.5 (4) 2.7	Natal	Cape	2.0 (2) more than : 2.0 (1)	Саре
Average Level of impreported Beef Sheep Goat Mpumalang Balfour, Bal Beef: 1, Sheet Lydenburg, Beef: 3 North West Christiana, Beef: 3 Free State	1.5 (4) ortance scale: 1 2.0 (2) 1.0 (1) 1.0 (1) 1a Ifour Diereklin ep: 1, Goat: 1 Lydenburg Die Christiana Die	= one case iek erespreek	e, 2 = more	3.0 (1) than one	2.6 (7) e case b 2.5 (4) 2.7	Natal	Cape	2.0 (2) more than : 2.0 (1)	Саре

Memel, Memel Veterinary Clinic

Beef: 2

	s Dierehospita	al							
Beef: 3, Shee	p: 3 gepoort Dierel	diniak Va	nnootekan						
Beef: 2, Shee		diniek ve	ппоосѕкар	<u> </u>					
Western Ca	•								
	, Groenkloof I	Diereklini	ek						
Beef: 2, Shee	p: 2								
Paralysis	ticks								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.0 (1)	1.5 (2)	1.0 (1)		
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Sheep					2.0 (1)	1.5 (2)			
Goat							1.0(1)		
Free State							,		
	s Dierehospita	al							
Sheep: 2									
Kwazulu-Na									
	ugela Vet Clini	C							
Sheep: 1									
	Ncanduvet Ne	wcastle							
Sheep: 2 Eastern Cap	19								
	et, Camdeboo	Veterinar	v Clinic						
Goat: 1	ecy camacooo	Veterman	, ciiiic						
Biting lice	e (red lice)								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)				1.8 (4)	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
Beef	2.0 (1)				2.0 (1)				
Sheep					1.7 (3)	3.0 (1)			2.0 (1)
Mpumalang									
Standerton, Beef: 2	conovet								
Free State									
i ice state									

Bloemfontei	in, Dr Stephan	Wessels							
Sheep: 3	iii, Di Stepilali	VVCSSCIS							
	and Dierehos	nitaal							
Sheep: 1	and Dierenos	Jitaai							
	nekal Dierekli	niek							
Beef: 2, Shee		ilick							
Kwazulu-Na									
	heid Privaat \	leeartse							
Sheep: 3	ilcia i iivaac i	ccui tsc							
Northern Ca	ne								
	lvinia Veearts	kliniek							
Sheep: 2									
	ice (blue lic	e)							
		_		North	Free	Kwazulu-	Eastern	Western	Northern
PROVINCE	Mpumalanga	Gauteng	Limpopo	West	State	Natal	Cape	Cape	Саре
Average				2.5 (2)	2.5 (2)				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				2.5 (2)	2.5 (2)				
Goat									2.0 (1)
North West									
Brits, Brits [Dierekliniek								
Beef: 2									
	, Ventersdorp	Diereklir	iek						
Beef: 3									
Free State									
	in, Dr Stephan	Wessels							
Beef: 3									
	on, Viljoenskro	on Diere	kliniek						
Beef: 2									
Northern Ca		Dia	limia!-						
	g, Postmasbu	rg Dierek	iniek						
Goat: 2									
Scab mite	es								_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average									2.0 (1)
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than to	en and 3 =	more than 1	10 cases
Sheep Northern Ca									2.0 (1)

Sheep: 2									
Two farms									
Mange M	ites								
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (2)				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 (1)				
Sheep	1.0(1)								
Beef: 1, Shee Free State	four Diereklin p: 1 n, Wesselsbro		niek						,
	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.6 (5)			3.0 (1)	2.0 (3)	2.4 (5)	3.0 (1)	2.6 (5)	
Level of imported	ortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than t	en and 3 =	more than	10 cases
Beef	2.7 (3)			3.0 (1)	2.0 (1)	2.5 (4)	3.0 (1)	2.5 (2)	
Dairy					2.0 (1)	2.0 (1)		3.0 (1)	
Sheep	2.5 (2)				2.0 (1)			2.5 (2)	
Mpumalang									
Balfour, Bal Beef: 2, Shee	four Diereklini	iek							
	Longtom Dier	ekliniek							
Beef: 3, Shee	p: 3								
Nelspruit, N Beef: 3	lelspruit Anima	al Hospita	ı						
North West									
	a Dierekliniek								
Beef: 3									
Free State									
Ficksburg, C	Oosvrystaat Di	ere Produ	kte						

Beef: 2, Dairy	/: 2, Sheep: 2								
Kwazulu-Na									
	ergville Veteri	nary Clini	С						
Beef: 3									
Dundee, En	dumeni Herd h	nealth							
Beef: 2, Dairy									
	Mtubatuba Ar	nimal Clin	ic						
Beef: 2									
Pietermarit	zburg, Veterin	ary House	Hospital						
Beef: 3									
Eastern Cap	e								
Alexandria,	Alexandria Pla	atteland S	preekkam	ner					
Beef: 3									
Western Ca									
	y, Malmesbury	Dierehos	pitaal						
	y: 3, Sheep: 3								
	, Oudtshoorn	Diereklini	ek						
Beef: 2, Shee	ep: 2								
Blowflies									<u>^</u>
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.3 (3)	1.0 (1)			2.0 (2)			1.6 (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	2.0 (2)							1.5 (2)	
Dairy								2.0 (1)	
Dail y					• •	<u> </u>		2.0 (1)	
Sheep	3.0 (1)				2.0 (2)			1.7 (3)	
Goat		1.0(1)						1.0(1)	
Mpumalang	2							12 ()	
	four Diereklin	iek							
Beef: 1									
	Longtom Dier	ekliniek							
Beef: 3, Shee									
Gauteng									
	raal, Themba <i>l</i>	Animal Cli	nic						
Goat: 1									
Free State									
	Greylingsrust	Dierespr	eekkamer						
Sheep: 2									
	loopstad Diere	ekliniek							
Sheep: 2									
Western Ca									
	(WC), Heidelb	erg Diere	kliniek						
Sheep: 2									
	y, Malmesbury	Dierehos	pitaal						
	/: 2, Sheep: 2	.	-						
Ouatshoorn	, Oudtshoorn	viereklini	ек						

Nasal bot	larvae								_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average				3.0 (2)	2.0 (5)	2.0 (2)		2.0 (1)	
_evel of impo reported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than :	10 cases
Sheep				3.0 (1)	2.0 (5)	2.0 (2)		2.0 (1)	
Goat				3.0(1)					
lorth West									
	stad, Leeudori at: 3	ngstad Di	erekliniek						
ree State									
•	Kroonstad Die	rehospita	al						
Sheep: 2									
	Ladybrand Die	erekliniek							
Sheep: 2									
	land Dierehos	pitaal							
Sheep: 2	aanaart Diaral	diniak Va	nnootskan						
Sheep: 2	gepoort Dierel	kiiniek ve	ппоотѕкар)					
•	n, Wesselsbro	n Dierekli	niek						
Sheep: 2	ii, wesselsbio	ii Dielekii	IIICK						
(wazulu-Na	ıtal								
	howe Veterina	rv Hospita	al						
Sheep: 3		.,							
•	Mtubatuba Ar	nimal Clin	ic						
Sheep: 1									
Western Ca	pe								
	, Malmesbury	Dierehos	pitaal						
Sheep: 2									
Midges									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average						2.0 (1)		2.8 (6)	
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than :	10 cases
Beef						2.0 (1)		2.7 (3)	
								-30021	
Dairy Sheep								3.0 (2)	

Beef: 2											
Western Ca _l	ре										
	erberg Diereh	ospitaal I	Darling								
Beef: 2	orge Animal H	oenital									
Dairy: 3	nge Ammai m	оэртсат									
-	, Groenkloof I	Diereklini	ek								
Beef: 3 Malmeshury	, Malmesbury	Dierehos	nitaal								
Beef: 3, Dairy		Dicienos	picaai								
Mosquitoes											
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Average						2.0 (1)		3.0 (1)			
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases		
Beef						2.0 (1)		3.0 (1)			
Kwazulu-Na	ital										
Bergville, Be Beef: 2	ergville Veteri	nary Clini	С								
Western Ca _l											
Malmesbury Beef: 3	, Groenkloof I	Diereklini	ek								
Other									^		
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern		
						Natai	Cupo	Cupo	Cape		
Average				3.0 (1)		Natai	Сърс	Сиро	Cape		
	ortance scale: 1	= one case	e, 2 = more	, , ,							
Level of impore	ortance scale: 1	= one case	e, 2 = more	, , ,	e case b						
Level of impore reported Beef North West				than on	e case b						
Level of impore reported Beef North West Christiana, 6	ortance scale: 1 Christiana Die			than on	e case b						
Level of impore reported Beef North West Christiana, (Beef: 3	Christiana Die			than on	e case b						
Level of imporeported Beef North West Christiana, (Beef: 3 Sarcoptes mit	Christiana Die res	rehospita		than on	e case b						
Level of imporeported Beef North West Christiana, (Beef: 3 Sarcoptes mit	Christiana Die es ne Disease	rehospita		than on	e case b						
Level of imporeported Beef North West Christiana, (Beef: 3 Sarcoptes mit Tick-bor African re	Christiana Die es ne Disease ed water	rehospita S	al	than on	e case b				10 cases Northern		
Level of imporeported Beef North West Christiana, (Beef: 3 Sarcoptes mit Tick-bor African re	Christiana Die es ne Disease	rehospita S	al	3.0 (1)	e case b	ut less than t	en and 3 =	more than	10 cases		

reported		ne case, 2 = more than	2.10 0000 00	tros trail t	and 5	10 Ca3C3
Beef	2.1 (7)	2.0 (1)	1.0 (1)	1.4 (9)		
Dairy				1.5 (2)	2.0 (1)	3.0 (1)
Mpumalar	_					
	Grootvlei Diereklin	iek				
Beef: 2						
	Mooiplaas Veteriné	ere Dienste				
Beef: 2	- 1 t Di -	!				
Beef: 3	g, Longtom Dierekli	піек				
	g , Middelburg Dier	ohosnitaal .				
Beef: 3	g , Middelburg Diei	enospitaai				
	Nelspruit Animal H	ospital				
Beef: 1		p.14m.				
Standerto	n, Econovet					
Beef: 2	<u>, </u>					
Volksrust,	Cape Cross Volksru	ıst Dierehospitaal				
Beef: 2						
Limpopo						
	Blouberg Diereklin	iek				
Beef: 2						
Four cases						
Free State						
	ys Dierehospitaal					
Beef: 1	Natal					
Kwazulu-l		. Clinia				
Beef: 2	Bergville Veterinar	y Clinic				
	own, Camperdown \	let Clinic				
Beef: 1	wii, Camperdowii v	et cillic				
	indumeni Herd heal	th				
Beef: 1, Da						
	showe Veterinary I	lospital				
Beef: 1						
Estcourt,	Estcourt Vet Clinic					
Dairy: 2						
	r, Mooirivier Vet Cli	nic				
Beef: 1						
	a, Mtubatuba Anima	al Clinic				
Beef: 2						
	e, Ncanduvet Newca	stle				
Beef: 2						
Pietermar	itzburg, Veterinary	House Hospital				

Underberg, Underberg Veterinary Surgery Beef: 1

Summer season

Eastern Cape Alexandria, Riverview Trading Vet Consulting Services

Dairy: 2

Western Cape

	(WC), Heidelb	erg Dierel	kliniek								
Dairy: 3 Asiatic re	d water								_		
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Average	2.3 (4)	1.0 (1)		2.0 (1)	1.0 (2)	1.7 (6)	2.0 (1)	1.0 (1)			
Level of impo reported	Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 1 reported										
eef 2.3 (4) 1.0 (1) 2.0 (1) 1.0 (2) 1.8 (5) 2.0 (1)											
Dairy						1.0(1)		1.0(1)			
Mpumalanga	a						<u> </u>				
	four Diereklini	iek									
Beef: 1											
Lydenburg,	Longtom Dier	ekliniek									
Beef: 2											
	, Middelburg [Dierehosp	itaal								
Beef: 3											
	Pets Vet Hosp	ital									
Beef: 3 Gauteng											
	pruit, Kerkstr	aat Dierel	kliniek								
Beef: 1	pruit, Kerksti	aat Diele	KIIIICK								
North West											
Ventersdorp	, Ventersdorp	Diereklin	niek								
Beef: 2	<u> </u>										
Free State											
	Dierehospita	al									
Beef: 1											
	on, Viljoenskro	oon Dierel	kliniek								
Beef: 1											
Kwazulu-Na Bergville Be	taı ergville Veteri	nary Clini	<u></u>								
Beef: 2	agville veteri	iiai y Ciiili									
	ıgela Vet Clini	c									
Beef: 2	<u></u>										
Dundee, End	lumeni Herd h	nealth									
Beef: 2, Dairy											
	kstad Veterina	ary Clinic									
Beef: 2											
	Underberg Ve	terinary S	urgery								
Beef: 1 Summer seaso	on										
Eastern Cap											
	c Jitenhage Die	rehosnita	al								
Beef: 2		p. w									
Western Cap	ре										
	(WC), Heidelb	ora Diorol	kliniek								

Dairy: 1									
Anaplasn	nosis								^
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 (3)	2.0 (6)	1.5 (6)	1.0 (1)	2.0 (9)	1.0 (1)
Level of impore	ortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than t	en and 3 =	more than 1	10 cases
Beef	1.7 (3)		2.0 (1)	2.0 (3)	2.0 (6)	1.6 (5)	1.0 (1)	2.0 (4)	1.0 (1)
Dairy						1.0(1)		2.0 (5)	
Mpumalang	a								
Grootvlei, G Beef: 2 Middelburg	rootvlei Diere , Middelburg I		itaal						
Beef: 1									
Standerton,	Econovet								
Beef: 2									
Limpopo	loubora Dio	kliniek							
Beef: 2	louberg Diere	Kiiniek							
Two cases									
North West									
	Christiana Die	rehospita	al						
Beef: 3		<u> </u>							
Klerksdorp,	Klerksdorp Di	erehospit	aal						
Beef: 1									
	stad, Leeudori	ngstad Di	erekliniek						
Beef: 2									
Free State	' D. GLANDA								
Bloemfonte Beef: 2	in, Dr Stephan	wessels							
	ocolan Dierek	liniek							
Beef: 2	oculaii Dielek	IIEK							
	Dosvrystaat Di	ere Produ	kte						
Beef: 3									
Kroonstad, Beef: 2	Kroonstad Die	rehospita	al						
Ladybrand,	Ladybrand Die	erekliniek							
Beef: 2									
	land Dierehos	pitaal							
Beef: 1	.tal								
Kwazulu-Na		nany Clini	•						
Beef: 2	ergville Veteri		G						
	ugela Vet Clini	IC							
Beef: 2	dumoni Hord I	andth							
Dairy: 1	dumeni Herd h	leaith							
Dally, 1									

Eshowe, Eshowe Veterinary Hospital

Beef: 1

Kokstad, Kokstad Veterinary Clinic

Pietermaritzburg, Veterinary House Hospital

Beef: 1

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Beef: 1

Western Cape

Darling, Tygerberg Dierehospitaal Darling

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 2

Malmesbury, Dr Otto Kriek

Beef: 3, Dairy: 3

A situation that requires close monitoring of affected herds

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2

Riversdale, Riversdal Dierekliniek

Dairy: 1

Stellenbosch, Stellenbosch Animal Hospital

Worcester, Durban Straat Dierekliniek Worcester

Dairy: 2

Northern Cape

Kathu, Kathu Dierekliniek

Beef: 1

Heartwa	ter								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.3 (6)	1.2 (5)	2.0 (1)	2.5 (2)		1.9 (7)	1.2 (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 I	10 cases
Beef	2.3 (3)	1.0(1)	2.0 (1)	2.5 (2)		1.8 (5)	1.3 (3)		
Sheep	3.0 (1)	1.5 (2)				2.0 (1)	1.0 (1)		
Goat	2.0 (2)	1.0(2)				2.0 (1)	1.0(1)		

Mpumalanga

Lydenburg, Longtom Dierekliniek

Beef: 3, Sheep: 3, Goat: 2

Middelburg, Middelburg Dierehospitaal

Nelspruit, Nelspruit Animal Hospital

Goat: 2

Piet Retief, Pets Vet Hospital

Beef: 2 Gauteng

Bronkhorstspruit, Kerkstraat Dierekliniek

Beef: 1. Shee	r aal, Themba A ep: 1, Goat: 1								
	nima Veterinar	y Consulti	ing Rooms	5					
Sheep: 2									
impopo									
	louberg Dierel	kliniek							
Beef: 2	J								
ight cases									
North West									
	, Bergbos Dier	rekliniek							
Beef: 2	, - 3								
Stella, Stella	a Dierekliniek								
Beef: 3									
(wazulu-Na	atal								
Bergville, B	ergville Veteri	nary Clini	С						
Beef: 2									
Bergville, Ti	ugela Vet Clini	ic							
Sheep: 2									
•	n, Camperdov	vn Vet Cli	nic						
Beef: 1									
Dundee, En	dumeni Herd h	nealth							
Beef: 2									
showe, Esl	howe Veterina	ry Hospita	al						
Beef: 2									
hree cases									
Atubatuba,	Mtubatuba Ar	nimal Clin	ic						
Beef: 2, Goat	:: 2								
astern Cap	e								
Alexandria,	Alexandria Pla	atteland S	preekkam	ner					
Beef: 1									
Alexandria,	Riverview Tra	ding Vet (Consulting	Service	es				
Beef: 2									
Graaff-Rein	et, Camdeboo	Veterinar	y Clinic						
Goat: 1									
lansenville									
Jitenhage, ^I	Uitenhage Die	rehospita	al						
Beef: 1, Shee	p: 1								
	61.1								
Sweating	y Sickness								_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North	Free	Kwazulu-	Eastern	Western	Northern
	· ·pa····a·a···ga	- autong	popo	West	State	Natal	Cape	Cape	Cape
A				2.0 (1)	1.0 (2)	2.0 (1)			
Average				2.0 (1)	(2)	2.0 (1)			
					(2)				
		= one case	2 = more	than on	e case h	ut less than t	en and 3 =	more than	10 cases
evel of impo	ortance scale: 1		., Z – IIIOIC	. ulali oli	c case b	at icss triair t	cii ana 5 –	more than	10 (4363
	ortance scale: 1	one case							
Level of impore	ortance scale: 1	one case							
reported	ortance scale: 1	one case		2.0.(1)	1.0	2.0.(1)			
	ortance scale: 1	one case		2.0 (1)		2.0 (1)			
reported		one cust		2.0 (1)	1.0 (2)	2.0 (1)			

Free State

	ocolan Dierek	liniek							
Beef: 1		-:-1-							
	nekal Dierekli	niek							
Beef: 1 Kwazulu-Na	utal								
	Ncanduvet Ne	wcastle							
Beef: 2		weastic							
T		I. Bi							
Insect I	ransmittab	ie Dise	ases						
Lumpy sk	cin disease								^
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))	1.0(1)			
North West							<u>'</u>		
Christiana,	Christiana Die	rehospita	al						
Beef: 1									
Kwazulu-Na									
	Mtubatuba Ar	nimal Clin	ic						
Beef: 1									
Throo-day									
mree-ua	y-stiffsickno	ess							^
	y-stiffsickno		Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
			Limpopo						
PROVINCE Average		Gauteng		West	State	Natal 1.0 (1)	Cape	Cape 1.7 (3)	Cape
PROVINCE Average Level of impo	Mpumalanga	Gauteng		West	State	Natal 1.0 (1)	Cape en and 3 =	Cape 1.7 (3)	Cape 10 cases
PROVINCE Average Level of imporeported	Mpumalanga	Gauteng		West	State	Natal 1.0 (1) ut less than t	Cape en and 3 =	1.7 (3) more than	Cape 10 cases
PROVINCE Average Level of imporeported Beef Dairy	Mpumalanga ortance scale: 1	Gauteng		West	State	Natal 1.0 (1) ut less than t	Cape en and 3 =	1.7 (3) more than 1.5 (2)	Cape 10 cases
PROVINCE Average Level of imporeported Beef Dairy Kwazulu-Na	Mpumalanga ortance scale: 1	Gauteng = one case		West	State	Natal 1.0 (1) ut less than t	Cape en and 3 =	1.7 (3) more than 1.5 (2)	Cape 10 cases
PROVINCE Average Level of imporeported Beef Dairy Kwazulu-Na	Mpumalanga ortance scale: 1	Gauteng = one case		West	State	Natal 1.0 (1) ut less than t	Cape en and 3 =	1.7 (3) more than 1.5 (2)	Cape 10 cases
PROVINCE Average Level of imporeported Beef Dairy Kwazulu-Na Pongola, Po Beef: 1 Western Ca	Mpumalanga ortance scale: 1 ortal ongola Animal	Gauteng = one case	e, 2 = more	West	State	Natal 1.0 (1) ut less than t	Cape en and 3 =	1.7 (3) more than 1.5 (2)	Cape 10 cases
PROVINCE Average Level of imporeported Beef Dairy Kwazulu-Na Pongola, Po Beef: 1 Western Cal Heidelberg	Mpumalanga ortance scale: 1 ortal ongola Animal	Gauteng = one case	e, 2 = more	West	State	Natal 1.0 (1) ut less than t	Cape en and 3 =	1.7 (3) more than 1.5 (2)	Cape 10 cases
PROVINCE Average Level of imporeported Beef Dairy Kwazulu-Na Pongola, Po Beef: 1 Western Cal Heidelberg (Dairy: 2	Mpumalanga ortance scale: 1 otal ongola Animal pe (WC), Heidelb	Gauteng = one case Clinic erg Dierel	e, 2 = more	West	State	Natal 1.0 (1) ut less than t	Cape en and 3 =	1.7 (3) more than 1.5 (2)	Cape 10 cases
PROVINCE Average Level of impore reported Beef Dairy Kwazulu-Na Pongola, Po Beef: 1 Western Cal Heidelberg (Dairy: 2 Piketberg, F	Mpumalanga ortance scale: 1 ortal ongola Animal	Gauteng = one case Clinic erg Dierel	e, 2 = more	West	State	Natal 1.0 (1) ut less than t	Cape en and 3 =	1.7 (3) more than 1.5 (2)	Cape 10 cases
PROVINCE Average Level of imporeported Beef Dairy Kwazulu-Na Pongola, Po Beef: 1 Western Ca Heidelberg Dairy: 2 Piketberg, F Beef: 2	Mpumalanga ortance scale: 1 otal ongola Animal ope (WC), Heidelb	Gauteng = one case Clinic erg Dierel	e, 2 = more	West	State	Natal 1.0 (1) ut less than t	Cape en and 3 =	1.7 (3) more than 1.5 (2)	Cape 10 cases
PROVINCE Average Level of imporeported Beef Dairy Kwazulu-Na Pongola, Po Beef: 1 Western Cal Heidelberg Dairy: 2 Piketberg, F Beef: 2 First cases se	Mpumalanga ortance scale: 1 otal ongola Animal ope (WC), Heidelbe en this season	Gauteng = one case Clinic erg Dierel ehospitaa	e, 2 = more	West	State	Natal 1.0 (1) ut less than t	Cape en and 3 =	1.7 (3) more than 1.5 (2)	Cape 10 cases
PROVINCE Average Level of imporeported Beef Dairy Kwazulu-Na Pongola, Po Beef: 1 Western Ca Heidelberg Dairy: 2 Piketberg, P Beef: 2 First cases se Plettenberg	Mpumalanga ortance scale: 1 otal ongola Animal ope (WC), Heidelb	Gauteng = one case Clinic erg Dierel ehospitaa	e, 2 = more	West	State	Natal 1.0 (1) ut less than t	Cape en and 3 =	1.7 (3) more than 1.5 (2)	Cape 10 cases
PROVINCE Average Level of imporeported Beef Dairy Kwazulu-Na Pongola, Po Beef: 1 Western Cal Heidelberg Dairy: 2 Piketberg, F Beef: 2 First cases se	Mpumalanga ortance scale: 1 ortal ongola Animal pe (WC), Heidelbe en this season Bay, Plettenb	Gauteng = one case Clinic erg Dierel ehospitaa	e, 2 = more	West	State	Natal 1.0 (1) ut less than t	Cape en and 3 =	1.7 (3) more than 1.5 (2)	Cape 10 cases

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average		2.0 (1)						1.0 (1)	
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Sheep		2.0 (1)						1.0(1)	
Gauteng									
	ima Veterinar	y Consult	ing Rooms	3					
Sheep: 2 Western Ca	pe								
Riversdale,	Riversdal Dier	ekliniek							
Sheep: 1									
Nagana									_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average						2.0 (1)			
Level of imported	ortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than t	en and 3 =	more than	10 cases
Beef						2.0 (1)			
Kwazulu-Na									
Mtubatuba, Beef: 2	Mtubatuba Ar	nimal Clin	ic						
	l Diseases								
Venerea	i Discases								
Trichomo	nosis								4
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.5 (6)			2.3 (3)	2.2 (12)	1.5 (2)	1.0 (1)		
			_	than on	e case b	ut less than t	en and 3 =	more than	10 cases
	ortance scale: 1	= one case	e, 2 = more	ulan on					
reported	2.5 (6)	= one case	e, 2 = more	2.3 (3)	2.2 (12)	1.5 (2)	1.0 (1)		
reported Beef Mpumalang	2.5 (6)		e, 2 = more		2.2 (12)		1.0 (1)		
reported Beef Mpumalang Bethal, Betl	2.5 (6)		e, 2 = more		2.2 (12)		1.0 (1)		
reported Beef Mpumalang Bethal, Betl Beef: 2	2.5 (6)	k			2.2 (12)		1.0 (1)		
Reported Reported Mpumalang Bethal, Beth Beef: 2 Ermelo, Môn Beef: 3	2.5 (6) a nal Diereklinie regloed Veteri	k nêre Spre			2.2 (12)		1.0 (1)		
reported dpumalang sethal, Betl Beef: 2 rmelo, Môr Beef: 3	2.5 (6) a nal Diereklinie	k nêre Spre			2.2 (12)		1.0 (1)		

Beef: 3									
	Pets Vet Hosp	ital							
Beef: 2	reco vecilosp	···							
Standerton,	Fconovet								
Beef: 3	LCOHOVEL								
North West									
	stad, Leeudori	nactad Di	orokliniok						
Beef: 2	stau, Leeuuori	iiystau Di	erekiiiiek						
Two new farr	mc								
Beef: 3	a Dierekliniek								
	udanum Duan Va								
Beef: 2	yburg Prov Ve	t Laborati	эгу						
	rds in Naladi Dis	trict with C	nocitivo an	imala 2	nocitivo	harda in Mala	na District	with 2 positi	vo animala
	rds in Naledi Dist herds and 300 a			imais. Z	positive	neras in Moio	po District	with 3 positi	ve animais.
Free State									
Bloemfonte	in, Dr Stephan	Wessels							
Beef: 2									
New farm, 3	positive bulls, Pe	etrusburg							
	ocolan Dierek								
Beef: 2									
Dewetsdorp	, Platkop Dier	ekliniek							
Beef: 2									
Ficksburg, (Dosvrystaat Di	ere Produ	kte						
Beef: 1									
Hoopstad, F	loopstad Diere	ekliniek							
Beef: 3									
Kroonstad,	Kroonstad Die	rehospita	al						
Beef: 3		•							
Ladybrand,	Ladybrand Die	erekliniek							
Beef: 2									
Parys, Parys	s Dierehospita	al							
Beef: 2									
Reitz, Riem	land Dierehos	pitaal							
Beef: 2									
	nekal Dierekli	niek							
Beef: 3									
Villiers, Wil	gepoort Dierek	diniek Ve	nnootskan)					
Beef: 2	30p00:10 2:0:0:								
	n, Wesselsbro	n Dierekli	niek						
Beef: 2	.,								
Kwazulu-Na	atal								
	ergville Veteri	nary Clini	c						
Beef: 1		,							
	dumeni Herd h	nealth							
Beef: 2									
Eastern Cap	ie.								
_	h, Hertzogbrug	ı Diereklii	niek						
Beef: 1	,	, 2101 CKIII							
200.1 2									
Vibriosis									^
DD OVERSE		0		North	Free	Kwazulu-	Eastern	Western	Northern
PROVINCE	Mpumalanga	Gauteng	Limpopo	West	State	Natal	Cape	Cape	Саре

evel of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than reported 2.0 (1) 2.5 (2) 1.7 1.0 (2) 1.0 (1) 2.0 (1) Ipumalanga lendrina, Mooiplaas Veterinêre Dienste leef: 2 lice Rettief, Pets Vet Hospital leef: 2 lice Rettief, Rettief, Pets Vet Hospital leef: 2 lice Rettief, Rettief, Pets Vet Hospital leef: 2 lice Rettief, Rettief, Pets Vet Hospital leef: 1 lice Rettief, Senekal Dierekliniek leef: 1 lice Rettief, Rettief, Nanduvet Newcastle leef: 1 lice Rettief, Rettief, Pets Vet Hospital lice Rettief, Rettief, Nanduvet Newcastle leef: 1 lice Rettief, Rettief, Nanduvet Newcastle leef: 1 lice Rettief, Rettief, Nanduvet Newcastle leef: 1 lice Rettief, Rettief, Pets Vet Hospital lice Rettief, Rettief, Rettief, Indies Retti							
evel of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than reported leef				1.7			
evel of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than depropried 1,7 (3) 2,0 (1) 2,5 (2) 1,7 (9) 1,0 (2) 1,0 (1) 2,0 (1)	Average	1.7 (3)	2.0 (1) 2.5 (2		1.0(2)	1.0(1)	2.0(1)
geef 1.7 (3) 2.0 (1) 2.5 (2) 1.7 (9) 1.0 (2) 1.0 (1) 2.0 (1) 10 ((9)			
geef 1.7 (3) 2.0 (1) 2.5 (2) 1.7 (9) 1.0 (2) 1.0 (1) 2.0 (1) 1.0 (1) 1.0 (1) 2.0 (1) 1	evel of imp	ortance scale: 1 = one	e case, 2 = more than o	ne case b	ut less than to	en and 3 = 1	more than
intered in the composition of th	reported						
Injurnalanga lendrina, Mooiplaas Veterinêre Dienste leef: 2 leite Retief, Pets Vet Hospital leef: 1 limpopo lakhado, Blouberg Dierekliniek leef: 2 loo cases lorth West leeded of the West leeded of the West leeded of the West loo cases lorth West loo cases loo	Poof	1.7 (2)	2.0 (1) 2.5 (2	1.7	1.0 (2)	1 () (1)	2.0 (1)
lendrina, Mooiplaas Veterinêre Dienste leef: 2 looksrust, Cape Cross Volksrust Dierehospitaal leef: 2 looksrust, Cape Cross Volksrust Dierehospitaal leef: 1 limpopo dakhado, Blouberg Dierekliniek leef: 2 looksrust West leed: 2 looksrust West leed: 3 lorth West leed: 3 looks l	DECI	1.7 (3)	2.0 (1) 2.3 (2	(9)	1.0 (2)	1.0 (1)	2.0 (1)
rick Retief, Pets Vet Hospital eef: 2 folksrust, Cape Cross Volksrust Dierehospitaal eef: 1 impopo flakhado, Blouberg Dierekliniek eef: 2 for vocases forth West eeudoringstad, Leeudoringstad Dierekliniek eef: 3 for yburg, Vryburg Prov Vet Laboratory eef: 2 for young, Vryburg Prov Vet Laboratory eef: 1 for young, Yryburg Prov Vet Laboratory eef: 2 for young, Yryburg Prov Vet Laboratory ee							
iniet Retief, Pets Vet Hospital eef: 2 loiksrust, Cape Cross Volksrust Dierehospitaal leef: 1 impopo lakhado, Blouberg Dierekliniek eef: 2 wo cases lorth West eeudoringstad, Leeudoringstad Dierekliniek eef: 3 lryburg, Vryburg Prov Vet Laboratory eef: 2 positive herds in Naledi District with 2 positive animals. A total of 35 herds and 291 animals were tester ee State liboemfontein, Dr Stephan Wessels leef: 2 locolan, Clocolan Dierekliniek eef: 2 locolan, Clocolan Dierekliniek eef: 2 locolan, Clocolan Dierekliniek eef: 2 locostad, Kroonstad Dierehospitaal leef: 2 leef: 1 leef:		100iplaas Veterinêre	e Dienste				
increit 2 folksrust, Cape Cross Volksrust Dierehospitaal eefe: 1 impopo dakhado, Blouberg Dierekliniek eef: 2 wo cases forth West eeudoringstad, Leeudoringstad Dierekliniek eef: 3 rryburg, Vryburg Prov Vet Laboratory eef: 2 positive herds in Naledi District with 2 positive animals. A total of 35 herds and 291 animals were tester ees State elloemfontein, Dr Stephan Wessels eef: 2 clocolan, Clocolan Dierekliniek eef: 2 clocolan, Clocolan Dierekliniek eef: 2 clocostad, Kroonstad Dierehospitaal eef: 2 clocostad, Kroonstad Dierehospitaal eef: 2 eefe: 2 eetetz, Riemland Dierehospitaal eef: 1 eefe: 1 eenekal, Senekal Dierekliniek eef: 1 eefest 1 eerekal, Senekal Dierekliniek eef: 2 eerekal, Senek		Data Vat Usanital					
Folksrust, Cape Cross Volksrust Dierehospitaal eef: 1 impopo dakhado, Blouberg Dierekliniek eef: 2 wo cases forth West eeudoringstad, Leeudoringstad Dierekliniek eef: 3 ryhurg, Vryburg Prov Vet Laboratory ieef: 2 positive herds in Naledi District with 2 positive animals. A total of 35 herds and 291 animals were testeree State Bloemfontein, Dr Stephan Wessels eef: 2 clocolan, Clocolan Dierekliniek eef: 2 lewetsdorp, Platkop Dierekliniek eef: 2 lewetsdorp, Platkop Dierekliniek eef: 2 licksburg, Oosvrystaat Diere Produkte ieef: 1 iroonstad, Kroonstad Dierehospitaal eef: 2 adybrand, Ladybrand Dierekliniek eef: 2 leef: 2 leef: 1 ienekal, Senekal Dierekliniek ieef: 1 wazulu-Natal leef: 1 wazulu-Natal leegryille, Bergville Veterinary Clinic ieef: 1 lewcastle, Ncanduvet Newcastle ieef: 1 leewcastle, Ncanduvet Newcastle ieef: 1 leewcastle, Ncanduvet Newcastle ieef: 1 leewcastle, Ncanduvet Newcastle ieef: 1 leester Cape lliwal North, Hertzogbrug Dierekliniek ieef: 1 leester Cape		Pets vet nospitai					
impopo Alakhado, Blouberg Dierekliniek eef: 2 wo cases loorth West eeudoringstad, Leeudoringstad Dierekliniek ieef: 3 rryburg, Vryburg Prov Vet Laboratory ieef: 2 positive herds in Naledi District with 2 positive animals. A total of 35 herds and 291 animals were teste ree State isloemfontein, Dr Stephan Wessels ieef: 2 clocolan, Clocolan Dierekliniek ieef: 2 clocolan, Clocolan Dierekliniek ieef: 2 clocolan, Coordina Dierekliniek ieef: 2 clocolan, Clocolan Dierekliniek ieef: 2 clocolan, Clocolan Dierekliniek ieef: 1 croonstad, Kroonstad Dierehospitaal ieef: 2 adybrand, Ladybrand Dierekliniek ieef: 2 ieltz, Riemland Dierehospitaal ieef: 1 ienekal, Senekal Dierekliniek ieef: 1 ienekal, Bergville Veterinary Clinic ieef: 1 iewazulu-Natal iergville, Bergville Veterinary Clinic ieef: 1 iestern Cape iliwal North, Hertzogbrug Dierekliniek ieef: 1 iestern Cape		Cane Cross Volksrus	t Dierehosnitaal				
Makhado, Blouberg Dierekliniek eef: 2 'wo cases lorth West eeudoringstad, Leeudoringstad Dierekliniek eef: 3 'rryburg, Vryburg Prov Vet Laboratory leef: 2 'positive herds in Naledi District with 2 positive animals. A total of 35 herds and 291 animals were tester eer State lidoemfontein, Dr Stephan Wessels leef: 2 'llocolan, Clocolan Dierekliniek leef: 2 'lewetsdorp, Platkop Dierekliniek leef: 2 'lewetsdorp, Platkop Dierekliniek leef: 2 'licksburg, Oosvrystaat Diere Produkte leef: 1 'Groonstad, Kroonstad Dierehospitaal leef: 1 'groonstad, Ladybrand Dierekliniek leef: 2 'leitz, Riemland Dierehospitaal leef: 1 'leinekal, Senekal Dierekliniek leef: 1 'leinekal, Neanduvet Newcastle leef: 1 'leinekal, Nea	Beef: 1	ape cross volksrus	e Dici cirospitatai				
reef: 2 wo cases lorth West eeudoringstad, Leeudoringstad Dierekliniek leef: 3 ryburg, Vryburg Prov Vet Laboratory leef: 2 positive herds in Naledi District with 2 positive animals. A total of 35 herds and 291 animals were testeree State lloemfontein, Dr Stephan Wessels leef: 2 llocolan, Clocolan Dierekliniek leef: 2 llocolan, Clocolan Dierekliniek leef: 2 licksburg, Oosvrystaat Diere Produkte leef: 1 rroonstad, Kroonstad Dierehospitaal leef: 2 leef: 2 leitz, Riemland Dierehospitaal leef: 1 leenekal, Senekal Dierekliniek leef: 1 leef: 1 leenekal, Senekal Dierekliniek leef: 1 leef	Limpopo						
reef: 2 wo cases lorth West eeudoringstad, Leeudoringstad Dierekliniek leef: 3 ryburg, Vryburg Prov Vet Laboratory leef: 2 positive herds in Naledi District with 2 positive animals. A total of 35 herds and 291 animals were testeree State lloemfontein, Dr Stephan Wessels leef: 2 llocolan, Clocolan Dierekliniek leef: 2 llocolan, Clocolan Dierekliniek leef: 2 licksburg, Oosvrystaat Diere Produkte leef: 1 rroonstad, Kroonstad Dierehospitaal leef: 2 leef: 2 leitz, Riemland Dierehospitaal leef: 1 leenekal, Senekal Dierekliniek leef: 1 leef: 1 leenekal, Senekal Dierekliniek leef: 1 leef		louberg Diereklinie	k				
lorth West eeudoringstad, Leeudoringstad Dierekliniek eef: 3 Irryburg, Vryburg Prov Vet Laboratory eef: 2 positive herds in Naledi District with 2 positive animals. A total of 35 herds and 291 animals were testeree State slicemfontein, Dr Stephan Wessels eef: 2 Clocolan, Clocolan Dierekliniek eef: 2 Clocolan, Clocolan Dierekliniek eef: 2 Clicksburg, Oosvrystaat Diere Produkte eef: 1 Groonstad, Kroonstad Dierehospitaal eef: 2 adybrand, Ladybrand Dierekliniek eef: 2 eef: 1 Genekal, Senekal Dierekliniek eef: 1 Genekal Dierekliniek eef: 2 Genekal Dierekliniek eef: 2 Genekal Dierekliniek eef: 2 Genekal Dierekliniek eef: 2 Genekal Dierekliniek eef	Beef: 2						
eeudoringstad, Leeudoringstad Dierekliniek leef: 3 Iryburg, Vryburg Prov Vet Laboratory leef: 2 positive herds in Naledi District with 2 positive animals. A total of 35 herds and 291 animals were teste leef to positive herds in Naledi District with 2 positive animals. A total of 35 herds and 291 animals were teste leef State lidemfontein, Dr Stephan Wessels leef: 2 lideolan, Clocolan Dierekliniek leef: 2 locolan, Clocolan Dierekliniek leef: 2 locolan, Cosvrystaat Dierekliniek leef: 1 loconstad, Kroonstad Dierekliniek leef: 2 leef: 2 leef: 2 leef: 1 lee	Two cases						
teef: 3 Iryburg, Vryburg Prov Vet Laboratory teef: 2 positive herds in Naledi District with 2 positive animals. A total of 35 herds and 291 animals were testeree State Bloemfontein, Dr Stephan Wessels teef: 2 Downtoolan, Clocolan Dierekliniek teef: 1 Downtoolan, Clocolan Dierekliniek teef: 2 Downtoolan, Clocolan Dierekliniek teef: 2 Downtoolan, Clocolan Dierekliniek teef: 2 Downtoolan, Clocolan Dierekliniek teef: 1 Downtoolan, Clocolan Dierekliniek teef: 2 Downtoolan, Clocolan Diereklini	North West						
Aryburg, Vryburg Prov Vet Laboratory ieef: 2 positive herds in Naledi District with 2 positive animals. A total of 35 herds and 291 animals were tester iree State isloemfontein, Dr Stephan Wessels ieef: 2 islocolan, Clocolan Dierekliniek ieef: 2 islocolan, Clocolan Dierekliniek ieef: 2 islocolan, Oosvrystaat Diere Produkte ieef: 1 isloconstad, Kroonstad Dierehospitaal ieef: 2 islocolan, Clocolan Dierekliniek ieef: 2 islocolan, Clocolan Dierekliniek ieef: 2 islocolan, Oosvrystaat Diere Produkte ieef: 1 isloconstad, Kroonstad Dierehospitaal ieef: 2 islocolan, Clocolan Dierekliniek ieef: 2 islocolan, Clocolan Dierekliniek ieef: 1 islocolan, Clocolan Dierekliniek ieef: 2 islocolan Dierekliniek ieef: 2 islocolan Dierekliniek ieef		stad, Leeudoringsta	nd Dierekliniek				
positive herds in Naledi District with 2 positive animals. A total of 35 herds and 291 animals were tester ree State silcomfontein, Dr Stephan Wessels leef: 2 Clocolan, Clocolan Dierekliniek leef: 2 Dewetsdorp, Platkop Dierekliniek leef: 2 licksburg, Oosvrystaat Diere Produkte leef: 1 Irroonstad, Kroonstad Dierehospitaal leef: 2 leef: 2 leef: 2 leef: 2 leef: 2 leef: 3 leef: 4 leef: 1		whoma Due W-t I - !					
positive herds in Naledi District with 2 positive animals. A total of 35 herds and 291 animals were testeree State Bloemfontein, Dr Stephan Wessels Bloemfontein, Dr Stephan Wessels Bloedi 2 Bloedian, Clocolan Dierekliniek Bloedi 2 Bloewetsdorp, Platkop Dierekliniek Bloedi 2 Bloewetsdorp, Oosvrystaat Diere Produkte Bloedi 1 Bloedi 1 Bloedi 2 Bloedi 2 Bloedi 2 Bloedi 3 Bloedi 3 Bloedi 4 Bl		yburg Prov Vet Labo	oratory				
iree State Sloemfontein, Dr Stephan Wessels Seef: 2 Slocolan, Clocolan Dierekliniek Seef: 2 Sewetsdorp, Platkop Dierekliniek Seef: 2 Sicksburg, Oosvrystaat Diere Produkte Seef: 1 Stroonstad, Kroonstad Dierehospitaal Seef: 2 Sadybrand, Ladybrand Dierekliniek Seef: 2 Seitz, Riemland Dierehospitaal Seef: 1 Senekal, Senekal Dierekliniek Seef: 2 Seesselsbron, Wesselsbron Dierekliniek Seef: 1 Senekal, Senekal Dierekliniek Seef: 2 Senekal, Senekal Diere		rde in Nalodi Dietriet w	vith 2 positive animals. A	total of 3	25 hords and	201 animalo	word tosts
Isloemfontein, Dr Stephan Wessels Isloed: 2 Isloedian, Clocolan Dierekliniek Isloed: 2 Isloedian, Platkop Dierekliniek Isloed: 2 Isloedian, Oosvrystaat Diere Produkte Isloed: 1 Isloedian, Kroonstad Dierehospitaal Isloed: 2 Isloedian, Ladybrand Dierekliniek Isloed: 2 Isloedian, Ladybrand Dierekliniek Isloed: 1 Isloedian, Senekal Dierekliniek Isloedian		lus III Naicui District W	nui z positive aminais. A	total of 2	os rieras aria	ZJI alilliais	were teste
Reef: 2 Clocolan, Clocolan Dierekliniek Reef: 2 Rewetsdorp, Platkop Dierekliniek Reef: 2 Reef: 2 Rewetsdorg, Oosvrystaat Diere Produkte Reef: 1 Reconstad, Kroonstad Dierehospitaal Reef: 2 Redybrand, Ladybrand Dierekliniek Reef: 2 Reitz, Riemland Dierehospitaal Reef: 1 Renekal, Senekal Dierekliniek Reef: 1 Renekal, Senekal Dierekliniek Reef: 1 Responsible Veterinary Clinic Reef: 1 Rewetsde, Ncanduvet Newcastle Reef: 1 Responsible Veterinary Clinic		in, Dr Stephan Wes	sels				
Dewetsdorp, Platkop Dierekliniek Dieef: 2 Dicksburg, Oosvrystaat Diere Produkte Dieef: 1 Dicksburg, Oosvrystaat Diere Produkte Dieef: 1 Dicksburg, Oosvrystaat Diere Produkte Dieef: 2 Dicksburg, Coonstad, Kroonstad Dierekliniek Dieef: 2 Dicksburg, Riemland Dierekliniek Dieef: 1 Dicksburg, Riemland Dierekliniek Dieef: 2 Dicksburg, Senekal Dierekliniek Dieef: 2 Dicksburg, Wesselsbron Dierekliniek Dieef: 1 Dicksburg, Dierekliniek Dieef: 1 Dicksburg, Dierekliniek Dieef: 1 Dicksburg, Noanduvet Newcastle Dicksburg, Noanduvet Newcastl	Beef: 2	, эт өсөр тоо					
Dewetsdorp, Platkop Dierekliniek Deef: 2 Dicksburg, Oosvrystaat Diere Produkte Deef: 1 Diconstad, Kroonstad Dierehospitaal Dierekliniek Deef: 2 Dicksburg, Oosvrystaat Dierekliniek Deef: 2 Dicksburg, Carlon Dierekliniek Deef: 2 Dienekal, Ladybrand Dierekliniek Deef: 1 Dienekal, Senekal Dierekliniek Deef: 2 Dienekal, Senekal Dierekliniek Deef: 1 Dienekal, Senekal Dierekliniek Deef: 1 Dienekal, Bergville Veterinary Clinic Deef: 1 Dienekal, Bergville Veterinary Clinic Deef: 1 Dienekal, Ncanduvet Newcastle Dienekal, Ncanduvet Newcastle Dienekal, North, Hertzogbrug Dierekliniek Dienekal, North, Hertzogbrug Dierekliniek Dienekal, Dienekliniek	Clocolan, Cl	ocolan Dierekliniek					
seef: 2 sicksburg, Oosvrystaat Diere Produkte seef: 1 stroonstad, Kroonstad Dierehospitaal seef: 2 sadybrand, Ladybrand Dierekliniek seef: 2 seetz, Riemland Dierehospitaal seef: 1 senekal, Senekal Dierekliniek seef: 2 vesselsbron, Wesselsbron Dierekliniek seef: 1	Beef: 2						
icksburg, Oosvrystaat Diere Produkte seef: 1 Kroonstad, Kroonstad Dierehospitaal seef: 2 sadybrand, Ladybrand Dierekliniek seef: 2 keitz, Riemland Dierehospitaal seef: 1 senekal, Senekal Dierekliniek seef: 2 Vesselsbron, Wesselsbron Dierekliniek seef: 1 Kwazulu-Natal sergville, Bergville Veterinary Clinic seef: 1 sewcastle, Ncanduvet Newcastle seef: 1 sastern Cape sliwal North, Hertzogbrug Dierekliniek seef: 1 Vestern Cape		o, Platkop Diereklini	iek				
Reef: 1 Roonstad, Kroonstad Dierehospitaal Reef: 2 Reitz, Riemland Dierehospitaal Reef: 1 Renekal, Senekal Dierekliniek Reef: 2 Reitz, Riemland Dierehospitaal Reef: 1 Renekal, Senekal Dierekliniek Reef: 2 Resselsbron, Wesselsbron Dierekliniek Reef: 1 Rewazulu-Natal Rergville, Bergville Veterinary Clinic Reef: 1 Rewcastle, Ncanduvet Newcastle Reef: 1 Restern Cape Liiwal North, Hertzogbrug Dierekliniek Reef: 1 Restern Cape Liiwal North, Hertzogbrug Dierekliniek Reef: 1 Restern Cape	Beef: 2						
Aroonstad, Kroonstad Dierehospitaal leef: 2 ladybrand, Ladybrand Dierekliniek leef: 2 leef: 1 leenekal, Senekal Dierekliniek leef: 2 leef: 2 leef: 1		Dosvrystaat Diere P	rodukte				
seef: 2 sadybrand, Ladybrand Dierekliniek seef: 2 seitz, Riemland Dierehospitaal seef: 1 seenekal, Senekal Dierekliniek seef: 2 Vesselsbron, Wesselsbron Dierekliniek seef: 1 swazulu-Natal sergville, Bergville Veterinary Clinic seef: 1 seef: 1 seecastle, Ncanduvet Newcastle seef: 1 sastern Cape sliwal North, Hertzogbrug Dierekliniek seef: 1 Vestern Cape		Vucanated Disusbas					
adybrand, Ladybrand Dierekliniek seef: 2 Reitz, Riemland Dierehospitaal seef: 1 Senekal, Senekal Dierekliniek seef: 2 Vesselsbron, Wesselsbron Dierekliniek seef: 1 Kwazulu-Natal sergville, Bergville Veterinary Clinic seef: 1 Ilewcastle, Ncanduvet Newcastle seef: 1 sastern Cape sliwal North, Hertzogbrug Dierekliniek seef: 1 Vestern Cape		Kroonstad Dierenos	spitaai				
Reitz, Riemland Dierehospitaal Reef: 1 Renekal, Senekal Dierekliniek Reef: 2 Vesselsbron, Wesselsbron Dierekliniek Reef: 1 Rewazulu-Natal Rergville, Bergville Veterinary Clinic Reef: 1 Rewastle, Ncanduvet Newcastle Reef: 1 Restern Cape Reitzel Cape		Ladyhrand Dierekli	niek				
Reitz, Riemland Dierehospitaal deef: 1 Senekal, Senekal Dierekliniek deef: 2 Vesselsbron, Wesselsbron Dierekliniek deef: 1 Kwazulu-Natal dergville, Bergville Veterinary Clinic deef: 1 dewcastle, Ncanduvet Newcastle deef: 1 dastern Cape Aliwal North, Hertzogbrug Dierekliniek deef: 1 Vestern Cape	Beef: 2	aayorana Dierekii					
Seef: 1 Senekal, Senekal Dierekliniek Seef: 2 Vesselsbron, Wesselsbron Dierekliniek Seef: 1 Swazulu-Natal Sergville, Bergville Veterinary Clinic Seef: 1 Seef: 1 Sewcastle, Ncanduvet Newcastle Seef: 1 Seef: 1 Sestern Cape Sliwal North, Hertzogbrug Dierekliniek Seef: 1 Vestern Cape		land Dierehospitaal					
Vesselsbron, Wesselsbron Dierekliniek Seef: 1 Kwazulu-Natal Bergville, Bergville Veterinary Clinic Seef: 1 Jewcastle, Ncanduvet Newcastle Seef: 1 Sastern Cape Lliwal North, Hertzogbrug Dierekliniek Seef: 1 Vestern Cape	Beef: 1	•					
Vesselsbron, Wesselsbron Dierekliniek Seef: 1 Kwazulu-Natal Bergville, Bergville Veterinary Clinic Seef: 1 Iewcastle, Ncanduvet Newcastle Seef: 1 Sastern Cape Lliwal North, Hertzogbrug Dierekliniek Seef: 1 Vestern Cape	Senekal, Se	nekal Dierekliniek					
Seef: 1 Kwazulu-Natal Bergville, Bergville Veterinary Clinic Beef: 1 Bewcastle, Ncanduvet Newcastle Beef: 1 Bastern Cape Aliwal North, Hertzogbrug Dierekliniek Beef: 1 Vestern Cape	Beef: 2						
Kwazulu-Natal Bergville, Bergville Veterinary Clinic Beef: 1 Bewcastle, Ncanduvet Newcastle Beef: 1 Bastern Cape Aliwal North, Hertzogbrug Dierekliniek Beef: 1 Vestern Cape		n, Wesselsbron Die	rekliniek				
Bergville, Bergville Veterinary Clinic Beef: 1 Bewcastle, Ncanduvet Newcastle Beef: 1 Bastern Cape Bliwal North, Hertzogbrug Dierekliniek Beef: 1 Vestern Cape	Beef: 1						
leef: 1 lewcastle, Ncanduvet Newcastle leef: 1 lastern Cape liiwal North, Hertzogbrug Dierekliniek leef: 1 Vestern Cape			Climin				
Newcastle, Ncanduvet Newcastle Seef: 1 Sastern Cape Sliwal North, Hertzogbrug Dierekliniek Seef: 1 Vestern Cape		ergville veterinary (CIINIC				
deef: 1 dastern Cape Aliwal North, Hertzogbrug Dierekliniek deef: 1 Vestern Cape		Neanduyet Newson	tlo				
astern Cape Aliwal North, Hertzogbrug Dierekliniek Beef: 1 Vestern Cape		ivealiuuvet iveweds	ue				
Aliwal North, Hertzogbrug Dierekliniek Beef: 1 Vestern Cape		e e					
eef: 1 Vestern Cape			rekliniek				
	Beef: 1	,	-				
Malmesbury, Malmesbury Dierehospitaal	Western Ca	ре					
			ehospitaal				

Beef: 2									
Bacteria	l Disease (other)							
Blackqua	rter								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.3 (4)			2.0 (2)	1.4 (5)	1.2 (5)		1.0 (1)	
Level of imported	ortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than t	en and 3 =	more than 1	10 cases
Beef	2.3 (4)			2.0 (2)	1.4 (5)	1.3 (4)			
Dairy								1.0(1)	
Goat						1.0(1)			
Mpumalang	a								
	four Diereklin	iek							
Beef: 1									
	Longtom Dier	ekliniek							
Beef: 2									
	, Middelburg I	Dierehosp	itaal						
Beef: 3	ape Cross Vol	keruet Die	rehoenita	al					
Beef: 3	ape Cross voi	KSI USC DIC	пеноэрна	ÇI .					
North West									
Christiana, G	Christiana Die	rehospita	al						
Beef: 1									
Blackleg/Quai									
	Klerksdorp Di	erehospit	aal						
Beef: 1									
	o, Ventersdorp	Diereklin	іек						
Beef: 3									
Free State	in, Dr Stephan	Wessels							
Beef: 1	ii, 21 Stephan								
Clocolan, Cl	ocolan Dierek	liniek							
Beef: 2									
	nel Veterinary	Clinic							
Beef: 2									
	s Dierehospita	al							
Beef: 1	n, Wesselsbro	n Dierakli	niek						
Beef: 1	II, WESSEISDFO	ii Dielekii	IIICK						
Kwazulu-Na	ital								
	ergville Veteri	nary Clini	С						
Beef: 2									
	ugela Vet Clini	c							
Beef: 1, Goat									
	Ncanduvet Ne	wcastle							
Beef: 1									

		terinary s	urgery						
Beef: 1		, .	gc.,						
Western Cap	20								
-	, Invitrotech								
Dairy: 1	, Illvitiotecii								
Uterrine gang	rono								
oterrine gang	rene								
Botulism									_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average				1.0 (1)	1.0 (2)			1.0 (1)	1.0 (1)
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Beef				1.0(1)	1.0 (2)			1.0 (1)	1.0 (1)
North West									
Christiana, C	Christiana Die	rehospita	al						
Beef: 1									
Free State									
Hoopstad, H	loopstad Diere	ekliniek							
Beef: 1									
	nel Veterinary	Clinic							
Beef: 1									
Malmesbury	pe r, Malmesbury	Dierehos	pitaal						
Malmesbury Beef: 1	, Malmesbury	Dierehos	pitaal						
Malmesbury Beef: 1 Northern Ca	, Malmesbury pe		pitaal						
Malmesbury Beef: 1 Northern Ca Kimberley, I	, Malmesbury		pitaal						
Beef: 1 Northern Ca	, Malmesbury pe		pitaal						
Malmesbury Beef: 1 Northern Ca Kimberley, I	, Malmesbury pe Kimberley Dier		pitaal						
Malmesbury Beef: 1 Northern Ca Kimberley, I Beef: 1 Pulpy Kid	, Malmesbury pe Kimberley Dier	rekliniek		North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Malmesbury Beef: 1 Northern Ca Kimberley, I Beef: 1 Pulpy Kid	, Malmesbury pe Kimberley Dier ney	rekliniek							Cape
Malmesbury Beef: 1 Northern Ca Kimberley, I Beef: 1 Pulpy Kid PROVINCE Average	, Malmesbury pe Kimberley Diei ney Mpumalanga	rekliniek Gauteng	Limpopo	West	2.3 (4)	Natal	Cape 1.8 (4)	1.3 (3)	Cape 2.5 (2)
Malmesbury Beef: 1 Northern Ca Kimberley, H Beef: 1 Pulpy Kid PROVINCE Average	ney Mpumalanga	rekliniek Gauteng	Limpopo	West	2.3 (4)	Natal	1.8 (4) en and 3 =	1.3 (3)	2.5 (2) 10 cases
Malmesbury Beef: 1 Northern Ca Kimberley, H Beef: 1 Pulpy Kid PROVINCE Average Level of imporeported Sheep	Mpumalanga 2.0 (2) ortance scale: 1	rekliniek Gauteng	Limpopo	West	2.3 (4) e case b	Natal	1.8 (4) en and 3 =	1.3 (3) more than	2.5 (2) 10 cases
Malmesbury Beef: 1 Northern Ca Kimberley, I Beef: 1 Pulpy Kid PROVINCE Average Level of imporeported Sheep Goat	Mpumalanga 2.0 (2) ortance scale: 1 2.0 (2)	rekliniek Gauteng	Limpopo	West	2.3 (4) e case b	Natal	1.8 (4) en and 3 =	1.3 (3) more than	2.5 (2) 10 cases
Malmesbury Beef: 1 Northern Ca Kimberley, I Beef: 1 Pulpy Kid PROVINCE Average Level of imporeported Sheep Goat Mpumalanga	Mpumalanga 2.0 (2) ortance scale: 1 2.0 (2)	Gauteng = one case	Limpopo	West	2.3 (4) e case b	Natal	1.8 (4) en and 3 =	1.3 (3) more than	2.5 (2) 10 cases
Malmesbury Beef: 1 Northern Ca Kimberley, I Beef: 1 Pulpy Kid PROVINCE Average Level of imporeported Sheep Goat Mpumalanga	ney Mpumalanga 2.0 (2) Ortance scale: 1 2.0 (2)	Gauteng = one case	Limpopo	West	2.3 (4) e case b	Natal	1.8 (4) en and 3 =	1.3 (3) more than	2.5 (2) 10 cases
Malmesbury Beef: 1 Northern Ca Kimberley, I Beef: 1 Pulpy Kid PROVINCE Average Level of imporeported Sheep Goat Mpumalanga Balfour, Balf Sheep: 1	ney Mpumalanga 2.0 (2) Ortance scale: 1 2.0 (2)	Gauteng = one case	Limpopo	West	2.3 (4) e case b	Natal	1.8 (4) en and 3 =	1.3 (3) more than	2.5 (2) 10 cases

F 61									
Free State	D Charles								
	in, Dr Stephan	wessels							
Sheep: 3		. 1 12 . 2 . 1							
	loopstad Diere	ekiiniek							
Sheep: 2									
	land Dierehos	pitaai							
Sheep: 2									
	gepoort Dierel	kliniek Ve	nnootskap)					
Sheep: 2									
Eastern Cap									
	h, Hertzogbrug	j Diereklii	niek						
Sheep: 1									
Graaff-Rein	et, Camdeboo	Veterinar	y Clinic						
Sheep: 1, Go	at: 2								
Steynsburg,	, Steynsburg D	Dierehospi	itaal						
Sheep: 3									
Western Ca	ре								
Malmesbury	y, Malmesbury	Dierehos	pitaal						
Sheep: 2									
	Riversdal Dier	ekliniek							
Sheep: 1									
	h, Stellenbosc	h Animal	Hospital						
Sheep: 1	,								
Northern Ca	ape								
	Karoo Veterina	arv Hosnit	al						
Sheep: 3	taroo veterine	y 1105pic							
	uruman Diere	kliniok							
	didiliali biele	KIIIIICK							
Sheep: 2	didiliali Diere	KIIIIIEK							
		KIIIIEK							_
Sheep: 2		Killiek							^
Sheep: 2 Lamb dys	sentry		1:	North	Free	Kwazulu-	Eastern	Western	^ Northern
Sheep: 2 Lamb dys			Limpopo	North West	Free State		Eastern Cape	Western Cape	^ Northern Cape
Sheep: 2 Lamb dys	sentry		Limpopo						
Sheep: 2 Lamb dys PROVINCE	sentry		Limpopo				Саре		Cape
Sheep: 2 Lamb dys	sentry		Limpopo						
Sheep: 2 Lamb dys PROVINCE Average	sentry Mpumalanga	Gauteng		West	State	Natal	2.0 (1)	Саре	Cape 2.0 (1)
Sheep: 2 Lamb dys PROVINCE Average Level of impo	sentry	Gauteng		West	State	Natal	2.0 (1)	Саре	Cape 2.0 (1)
Sheep: 2 Lamb dys PROVINCE Average	sentry Mpumalanga	Gauteng		West	State	Natal	2.0 (1)	Саре	Cape 2.0 (1)
Sheep: 2 Lamb dys PROVINCE Average Level of impo	sentry Mpumalanga	Gauteng		West	State	Natal	2.0 (1) en and 3 =	Саре	Cape 2.0 (1)
Sheep: 2 Lamb dys PROVINCE Average Level of imporeported Sheep	sentry Mpumalanga	Gauteng		West	State	Natal	2.0 (1)	Саре	2.0 (1) 10 cases
Sheep: 2 Lamb dys PROVINCE Average Level of imporeported Sheep Goat	Mpumalanga ortance scale: 1	Gauteng		West	State	Natal	2.0 (1) en and 3 =	Саре	Cape 2.0 (1)
Sheep: 2 Lamb dys PROVINCE Average Level of imporeported Sheep Goat Eastern Cap	Mpumalanga ortance scale: 1	Gauteng = one case	e, 2 = more	West	State	Natal	2.0 (1) en and 3 =	Саре	2.0 (1) 10 cases
Sheep: 2 Lamb dys PROVINCE Average Level of imporeported Sheep Goat Eastern Cap	Mpumalanga ortance scale: 1	Gauteng = one case	e, 2 = more	West	State	Natal	2.0 (1) en and 3 =	Саре	2.0 (1) 10 cases
Sheep: 2 Lamb dys PROVINCE Average Level of imporeported Sheep Goat Eastern Cap Steynsburg, Sheep: 2	Mpumalanga ortance scale: 1 oe , Steynsburg E	Gauteng = one case	e, 2 = more	West	State	Natal	2.0 (1) en and 3 =	Саре	2.0 (1) 10 cases
Sheep: 2 Lamb dys PROVINCE Average Level of imporeported Sheep Goat Eastern Cap Steynsburg,	Mpumalanga ortance scale: 1 oe , Steynsburg E	Gauteng = one case	e, 2 = more	West	State	Natal	2.0 (1) en and 3 =	Саре	2.0 (1) 10 cases
PROVINCE Average Level of imporeported Sheep Goat Eastern Cap Steynsburg, Sheep: 2 Northern Ca	Mpumalanga ortance scale: 1 oe , Steynsburg E	Gauteng = one case	e, 2 = more	West	State	Natal	2.0 (1) en and 3 =	Саре	2.0 (1) 10 cases
PROVINCE Average Level of imporeported Sheep Goat Eastern Cap Steynsburg, Sheep: 2 Northern Ca	Mpumalanga ortance scale: 1 oe ortsy steynsburg C	Gauteng = one case	e, 2 = more	West	State	Natal	2.0 (1) en and 3 =	Саре	2.0 (1) 10 cases
Sheep: 2 Lamb dys PROVINCE Average Level of imporeported Sheep Goat Eastern Cap Steynsburg, Sheep: 2 Northern Cap Postmasburg Goat: 2	Mpumalanga ortance scale: 1 oe ortance scale: 1	Gauteng = one case Dierehospi rg Dierek	e, 2 = more	West	State	Natal	2.0 (1) en and 3 =	Саре	2.0 (1) 10 cases
Sheep: 2 Lamb dys PROVINCE Average Level of imporeported Sheep Goat Eastern Cap Steynsburg, Sheep: 2 Northern Cap Postmasburg Goat: 2	Mpumalanga ortance scale: 1 oe ortsy steynsburg C	Gauteng = one case Dierehospi rg Dierek	e, 2 = more	West	State	Natal	2.0 (1) en and 3 =	Саре	2.0 (1) 10 cases
Sheep: 2 Lamb dys PROVINCE Average Level of imporeported Sheep Goat Eastern Cap Steynsburg, Sheep: 2 Northern Cap Postmasburg Goat: 2	Mpumalanga ortance scale: 1 oe ortance scale: 1	Gauteng = one case Dierehospi rg Dierek	e, 2 = more	West	State	Natal	2.0 (1) en and 3 =	Саре	2.0 (1) 10 cases
Sheep: 2 Lamb dys PROVINCE Average Level of imporeported Sheep Goat Eastern Cap Steynsburg Sheep: 2 Northern Cap Postmasburg Goat: 2 Swelled	Mpumalanga ortance scale: 1 oe , Steynsburg Dape rg, Postmasbu	Gauteng = one case Dierehospi rg Dierek	e, 2 = more	West	State	Natal	2.0 (1) en and 3 =	Саре	2.0 (1) 10 cases
Sheep: 2 Lamb dys PROVINCE Average Level of imporeported Sheep Goat Eastern Cap Steynsburg Sheep: 2 Northern Cap Postmasburg Goat: 2 Swelled	Mpumalanga ortance scale: 1 oe ortance scale: 1	Gauteng = one case Dierehospi rg Dierek	e, 2 = more	west than on	State e case b	Natal ut less than t	2.0 (1) en and 3 = 2.0 (1)	more than	2.0 (1) 10 cases 2.0 (1)
Sheep: 2 Lamb dys PROVINCE Average Level of imporeported Sheep Goat Eastern Cap Steynsburg Sheep: 2 Northern Cap Postmasburg Goat: 2 Swelled	Mpumalanga ortance scale: 1 oe , Steynsburg Dape rg, Postmasbu	Gauteng = one case Dierehospi rg Dierek	e, 2 = more	west than on	State e case b	Natal ut less than t	2.0 (1) en and 3 = 2.0 (1) Eastern	more than :	2.0 (1) 10 cases 2.0 (1) A Northern

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)			1.0 (1)				
Gauteng					, ,				
	pruit, Kerkstr	aat Dierel	kliniek						
Beef: 1 Free State									
	land Dierehos	pitaal							
Beef: 1		,							
Red gut (cattle)								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					1.5 (2)		2.0 (1)		
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than :	10 cases
Beef					1.5 (2)				
Dairy							2.0 (1)		
Free State									
Harrismith, Beef: 2	Harrismith Die	erehospita	aal						
	land Dierehos	pitaal							
Beef: 1									
Eastern Cap									
	Alexandria Pla	atteland S	preekkam	er					
Dairy: 2 Blood gut	t (Sheep)								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (3)				2.0 (1)		2.0 (1)	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 1	10 cases
Sheep	2.0 (3)				2.0 (1)		2.0 (1)	2.0 (2)	2.0 (2)
Mpumalang Ermelo, Môi	a regloed Veteri	nêre Spre	ekkamer						

Sheep: 1									
	Longtom Dier	ekliniek							
Sheep: 2									
	Cape Cross Vol	ksrust Die	erehospita	al					
Sheep: 3									
Free State									
Villiers, Wil	gepoort Dierel	kliniek Ve	nnootskar)					
Sheep: 2	усресте 2 тете.								
Eastern Cap)e								
-	, Steynsburg D	Dierehosni	itaal						
Sheep: 2	, 0 (0 , 11.0)	логоловр.							
Western Ca	ne								
	orge Animal H	ospital							
Sheep: 2	0.907	оор.ш.							
	(WC), Heidelb	era Dierel	kliniek						
Sheep: 2	(110), 110:00:0	0.9 2.0.0.							
Northern Ca	ane								
	Aar Veterinary	Clinic							
Sheep: 3	Adi Vetermary	Cillic							
	Kuruman Diere	kliniek							
Sheep: 1	taraman biere	KIIIICK							
энсер. 1									
Tetanus									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)				1.7 (3)			1.0 (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 I	10 cases
	ortance scale: 1	= one case	e, 2 = more	e than on	e case b	ut less than t	en and 3 =	more than :	10 cases
reported	ortance scale: 1	= one case	e, 2 = more	e than on	1.7 (3)	ut less than t	en and 3 =		10 cases
reported Beef Sheep	1.0 (1)	= one case	e, 2 = more	than on	1.7	ut less than t	en and 3 =	1.0 (1)	10 cases
reported Beef Sheep Mpumalang	1.0 (1)		e, 2 = more	e than on	1.7	ut less than t	en and 3 =	1.0 (1)	10 cases
reported Beef Sheep Mpumalang	1.0 (1)		e, 2 = more	e than on	1.7	ut less than t	en and 3 =	1.0 (1)	10 cases
reported Beef Sheep Mpumalang Lydenburg,	1.0 (1)		e, 2 = more	e than on	1.7	ut less than t	en and 3 =	1.0 (1)	10 cases
reported Beef Sheep Mpumalang Lydenburg, Sheep: 1 Free State	1.0 (1)	ekliniek	e, 2 = more	e than on	1.7	ut less than t	en and 3 =	1.0 (1)	10 cases
reported Beef Sheep Mpumalang Lydenburg, Sheep: 1 Free State Bloemfonte	1.0 (1) Ja Longtom Dier	ekliniek	e, 2 = more	e than on	1.7	ut less than t	en and 3 =	1.0 (1)	10 cases
reported Beef Sheep Mpumalang Lydenburg, Sheep: 1 Free State Bloemfonte Sheep: 2	1.0 (1) Ja Longtom Dier Sin, Dr Stephan	ekliniek ı Wessels		e than on	1.7	ut less than t	en and 3 =	1.0 (1)	10 cases
reported Beef Sheep Mpumalang Lydenburg, Sheep: 1 Free State Bloemfonte Sheep: 2	1.0 (1) Ja Longtom Dier	ekliniek ı Wessels		e than on	1.7	ut less than t	en and 3 =	1.0 (1)	10 cases
reported Beef Sheep Mpumalang Lydenburg, Sheep: 1 Free State Bloemfonte Sheep: 2 Kroonstad, Sheep: 2	1.0 (1) Longtom Dier in, Dr Stephan	ekliniek n Wessels rehospita	al		1.7	ut less than t	en and 3 =	1.0 (1)	10 cases
reported Beef Sheep Mpumalang Lydenburg, Sheep: 1 Free State Bloemfonte Sheep: 2 Kroonstad, Sheep: 2	1.0 (1) Ja Longtom Dier Sin, Dr Stephan	ekliniek n Wessels rehospita	al		1.7	ut less than t	en and 3 =	1.0 (1)	10 cases
reported Beef Sheep Mpumalang Lydenburg, Sheep: 1 Free State Bloemfonte Sheep: 2 Kroonstad, Sheep: 2 Villiers, Wil Sheep: 1	1.0 (1) Longtom Dier in, Dr Stephan Kroonstad Die	ekliniek n Wessels rehospita	al		1.7	ut less than t	en and 3 =	1.0 (1)	10 cases
reported Beef Sheep Mpumalang Lydenburg, Sheep: 1 Free State Bloemfonte Sheep: 2 Kroonstad, Sheep: 2 Villiers, Wil Sheep: 1 Western Ca	1.0 (1) Longtom Dier in, Dr Stephan Kroonstad Die	ekliniek Wessels rehospita kliniek Ve	al nnootskap		1.7	ut less than t	en and 3 =	1.0 (1)	10 cases
reported Beef Sheep Mpumalang Lydenburg, Sheep: 1 Free State Bloemfonte Sheep: 2 Kroonstad, Sheep: 2 Villiers, Wil Sheep: 1 Western Ca	1.0 (1) Longtom Dier in, Dr Stephan Kroonstad Die	ekliniek Wessels rehospita kliniek Ve	al nnootskap		1.7	ut less than t	en and 3 =	1.0 (1)	10 cases
reported Beef Sheep Mpumalang Lydenburg, Sheep: 1 Free State Bloemfonte Sheep: 2 Kroonstad, Sheep: 2 Villiers, Wil Sheep: 1 Western Ca Moorreesbu Beef: 1	1.0 (1) Ja Longtom Dier Sin, Dr Stephan Kroonstad Die Jepe Jrg, Moorreesb	ekliniek Wessels rehospita kliniek Ve	al nnootskap		1.7	ut less than t	en and 3 =	1.0 (1)	10 cases
reported Beef Sheep Mpumalang Lydenburg, Sheep: 1 Free State Bloemfonte Sheep: 2 Kroonstad, Sheep: 2 Villiers, Will Sheep: 1 Western Ca Moorreesbu Beef: 1 Oudtshoorn	1.0 (1) Ja Longtom Dier Sin, Dr Stephan Kroonstad Die Jepe Jrg, Moorreesb	ekliniek Wessels rehospita kliniek Ve	al nnootskap		1.7	ut less than t	en and 3 =	1.0 (1)	10 cases
reported Beef Sheep Mpumalang Lydenburg, Sheep: 1 Free State Bloemfonte Sheep: 2 Kroonstad, Sheep: 2 Villiers, Wil Sheep: 1 Western Ca Moorreesbu Beef: 1	1.0 (1) Ja Longtom Dier Sin, Dr Stephan Kroonstad Die Jepe Jrg, Moorreesb	ekliniek Wessels rehospita kliniek Ve	al nnootskap		1.7	ut less than t	en and 3 =	1.0 (1)	10 cases

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average				1.0 (1)	2.0 (1)	1.0 (1)			
Level of impore	ortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than to	en and 3 =	more than 1	10 cases
Beef					2.0 (1)	1.0 (1)			
Sheep				1.0(1)					
North West				-10 (-)					
	Christiana Die	rehospita	al						
Sheep: 1		renospica	~ 1						
Free State									
	on, Viljoenskro	oon Diere	kliniek						
Beef: 2	- , 								
Kwazulu-Na	ntal								
Dundee, En	dumeni Herd h	nealth							
Beef: 1									
Brucella	abortus								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (2)	1.0 (1)	2.0 (1)	3.0 (4)	2.1 (7)		1.0 (1)		
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than to	en and 3 =	more than 1	10 cases
Beef	2.0 (2)	1.0 (1)	2.0 (1)	3.0 (4)	2.1 (7)		1.0 (1)		
Mpumalang	а								
Balfour, Bal	four Diereklin	iek							
Beef: 1									
	, Middelburg I	Dierehosp	itaal						
Beef: 3									
Gauteng									
	spruit, Kerkstr	aat Diere	kliniek						
Beef: 1									
Limpopo	lauha D'	lelimi - I							
Makhado, B Beef: 2	louberg Diere	KIINIEK							
Eight cases									
North West									
	Dierekliniek								
Beef: 3	J.C. CAIIIICK								
	Klerksdorp Di	erehosnit	aal						
Beef: 3		2. 21.00pit							
	, Dr CM Kruge	r-Rall							

Beef: 3

104 positive cases

Vryburg, Vryburg Prov Vet Laboratory

Beef: 3

A Total of 93 herds, 7025 animals tested. 27 Positive herds: Naledi = 8/31 herds (8 positive herds out of 31 herds tested), Mamusa = 4/10 herds, Mafikeng = 5/14 herds, Lekwa Teemane = 1/2 herds, Greater Taung = 3/15 herds, Kagisano = 4/11 herds, Molopo = 2/10 herds. (Titre: 18-24 = 33 animals. Titre: 30-49 = 38 animals. Titre: >60 = 174 animals)

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 1

New positive herd, Petrusburg

Clocolan, Clocolan Dierekliniek

Beef: 1

Hoopstad, Hoopstad Dierekliniek

Beef: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 3

Ladybrand, Ladybrand Dierekliniek

Beef: 2

Smithfield, Freestate Smithfield SV

Beef: 2

Six positive cases - all slaughtered (Kopanong)

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3 New farms

Eastern Cape

Aliwal North, Hertzogbrug Dierekliniek

Beef: 1

Brucella ovis											
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Average	2.0 (1)				2.0 (1)			2.0 (1)			

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

Sheep 2.0 (1) 2.0 (1)

Mpumalanga

Ermelo, Môregloed Veterinêre Spreekkamer

Sheep: 2
Free State

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Western Cape

Beaufort West, Beaufort Dierekliniek

Sheep: 2

Johne's disease

				North	Free	Kwazulu-	Eastern	Western	Northern
PROVINCE	Mpumalanga	Gauteng	Limpopo	West	State	Natal	Cape	Cape	Cape
Average								2.0 (1)	
Level of impo reported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Sheep								2.0 (1)	
Western Ca									
Caledon, Ov Sheep: 2	erberg Veterii	nary Hosp	ital						
Septicae r	mia								4
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 t	en and 3 =	more than	10 cases
Beef						1.0(1)			
Kwazulu-Na	ıtal								
	dumeni Herd h	nealth							
Beef: 1									
E. coli									_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.1 (7)	2.0 (1)		2.5 (6)	2.3 (17)	2.0 (4)	2.0 (1)	2.0 (4)	3.0 (1)
Level of imported	ortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than t	en and 3 =	more than	10 cases
Beef	2.2 (6)	2.0 (1)		2.3 (4)	2.4 (8)	1.7 (3)			
Dairy							2.0 (1)	2.0 (2)	
Sheep	2.0 (1)			3.0 (2)	2.2 (9)	3.0 (1)		2.0 (2)	3.0 (1)
Mpumalang Balfour, Bal Beef: 2	a four Diereklin	iek							
	regloed Veteri	nêre Spre	ekkamer						
	I Di								
Beef: 3	Longtom Dier								
Beef: 3	Lydenburg Die		kamer						

Nelspruit, Nelspruit Animal Hospital Beef: 1 **Standerton, Econovet** Beef: 2, Sheep: 2 Gauteng Nigel, Welgelegen Dierekliniek Beef: 2 Calf deaths **North West Brits, Brits Dierekliniek** Beef: 2 Christiana, Christiana Dierehospitaal Beef: 1 Klerksdorp, Klerksdorp Dierehospitaal Beef: 3, Sheep: 3 Leeudoringstad, Leeudoringstad Dierekliniek Beef: 3 Calves Sheep: 3 Lambs **Free State Bultfontein, Greylingsrust Dierespreekkamer** Beef: 2, Sheep: 2 Clocolan, Clocolan Dierekliniek Beef: 2, Sheep: 2 Harrismith, Harrismith Dierehospitaal Beef: 1 **Hoopstad, Hoopstad Dierekliniek** Beef: 3, Sheep: 3 Kroonstad, Kroonstad Dierehospitaal Beef: 3, Sheep: 2 **Memel, Memel Veterinary Clinic** Sheep: 2 Philippolis, Rowelsfontein veearts Spreekkamer Sheep: 1 Reitz, Riemland Dierehospitaal Beef: 2 Senekal, Senekal Dierekliniek Beef: 3, Sheep: 3 Viljoenskroon, Viljoenskroon Dierekliniek Beef: 3, Sheep: 3 Villiers, Wilgepoort Dierekliniek Vennootskap Sheep: 2 Kwazulu-Natal **Mooi River, Mooirivier Vet Clinic** Pietermaritzburg, Veterinary House Hospital Sheep: 3 **Underberg, Underberg Veterinary Surgery** Beef: 1 Vryheid, Vryheid Privaat Veeartse Beef: 3 **Eastern Cape Humansdorp, Humansdorp Veterinary Clinic**

Dairy: 2

Wastern Car									
Western Cap	pe est, Beaufort [Nioroklinia	olz.						
Sheep: 2	sst, beautoit L	Jierekiiiiie	EK						
•	act Basufart \	Noct State	o Vot						
	est, Beaufort V	west State	e vet						
Sheep: 2	lt								
Lambs in veld									
	erberg Veterii	nary Hosp	ital						
Dairy: 2									
-	, Invitrotech								
Dairy: 2									
	severe E. coli n	nastitis							
Northern Ca	-								
	pington Veear	rtsenyklin	iek						
Sheep: 3									
<i>E. coli</i> mening	gitis and polyart	hritis in 1 t	o 3 week ol	d lambs	on veldt	. Ewes are fed	d. Two farm	าร	
Enzootic A	Abortion								4
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.0 (1)		1.0 (1)	2.0 (1)	
Level of impo reported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than to	en and 3 =	more than	10 cases
Sheep					(1)		1.0 (1)	2.0 (1)	
Goat							1.0 (1)		
Free State									
Senekal, Sei	nekal Dierekli	niek							
Sheep: 2									
Eastern Cap	e								
Graaff-Rein	et, Camdeboo	Veterinar	ry Clinic						
Goat: 1									
Western Cap	pe								
Heidelberg ((WC), Heidelb	erg Dierel	kliniek						
Sheep: 2									
Intrauter	ine Gangrei	ne							4
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
									2.0 (1)
Average				than on	e case h	ut less than t	en and 3 =	more than	10 cases
Level of impo	ortance scale: 1	= one case	e, 2 = more	c ulali oli	e case b			more than	10 00000
Level of imporeported		= one case	e, 2 = more	: ulali oli	e case b			more than	2.0 (1)
reported Goat Northern Ca	ре			e ulali oli				more than	
Level of imporeported Goat Northern Ca				e ulali oli				more trial	

Average Ave	Listeriosi	S											
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases exported 2.0 (1) 2.0 (PROVINCE	Mpumalanga	Gauteng	Limpopo						Northeri Cape			
Vestern Cape Alceldon, Overberg Veterinary Hospital incep: 2 Other PROVINCE Mpumalanga Gauteng Limpopo West State Natal Cape Cape Cape Average 2.0 (1) 1.0 (1) 1.0 (2) Average 2.0 (1) 1.0 (1) 1.0 (2) Evel of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Limpopo West State Natal State	Average								2.0 (1)				
Vestern Cape Caledon, Overberg Veterinary Hospital Indicep: 2 Other PROVINCE Mpumalanga Gauteng Limpopo North State West State	Level of impo	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than 1	10 cases			
Vestern Cape Caledon, Overberg Veterinary Hospital Indicep: 2 Other PROVINCE Mpumalanga Gauteng Limpopo North State West State	Sheep								2.0(1)				
Other PROVINCE Mpumalanga Gauteng Limpopo West State Kwazulu- Cape Cape Cape 2.0 (1) 1.0 (1) 1.0 (2) Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported line (2.0 (1) 1.	Western Ca _l	pe											
PROVINCE Mpumalanga Gauteng Limpopo North State Natal Cape Cape Norther Cape 2.0 (1) 1.0 (1) 1.0 (2) Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported at the cape of the cape o			nary Hosp	ital									
Average 2.0 (1) 1.0 (1) 1.0 (2) Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Limbor State S	Sheep: 2												
Average 2.0 (1) 1.0 (1) 1.0 (2) Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Line 1.0 (1) 1.0 (1) 1.0 (1) Line 2.0 (1) 1.0 (1) 1.0 (1) Line 3.0 (1) 1.0 (1) Line 4.0 (1) 1.0 (1) Line 5.0 (1) 1.0 (1) Line 6.0 (1) 1.0 (1) Line 7.0 (1) 1.0 (1) Line 8.0 (1) 1.0 (1) Line 9.0	Other												
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Location	PROVINCE	Mpumalanga	Gauteng	Limpopo						Norther Cape			
Reported Reef 2.0 (1) 1.0 (1) 1.0 (1) Richeep 1.0 (1)	Average		2.0 (1)		1.0 (1)			1.0 (2)					
Sindep Single, Welgelegen Dierekliniek Siegef: 2 Clostridium perfringens - calf deaths Siesern Cape Aliwal North, Hertzogbrug Dierekliniek Siegef: 1 Sictionmyces bovis PROVINCE Mpumalanga Gauteng Limpopo North West State Natal 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 Siegef: 1 Lingpop North West State Natal Cape Cape Cape 1.0 (1) 2.0 (1) Vestern Cape Seaufort West, Beaufort Dierekliniek Siegep: 1 Sorthern Cape Seaufort West, Beaufort Dierekliniek Siegep: 1 Sorthern Cape	Level of impo	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than :	10 cases			
Sauteng Jigel, Welgelegen Dierekliniek Jigel, Welgelegen Die	Beef		2.0 (1)		1.0(1)	ı		1.0 (1)					
Average Limpopo Average Limpopo Limpopo Average Limpopo Lim	Sheep		1.0 (1)										
Steepsburg, Steynsburg Dierehospitaal Steef: 1 Actinomyces bovis PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu- Cape Cape Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Sheep 1.0 (1) 2.0 (1) Vestern Cape Beaufort West, Beaufort Dierekliniek Sheep: 1 Borthern Cape	Nigel, Welge Beef: 2 <i>Clostridium pe</i> Eastern Cap	<i>erfringens</i> - calf e	deaths	niek									
Pasteurellosis PROVINCE Mpumalanga Gauteng Limpopo North West State Natal Eastern Cape Norther 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 Sheep Vestern Cape Beaufort West, Beaufort Dierekliniek Sheep: 1 Horthern Cape	Sheep: 1	.,	,										
PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu-Rate Cape Cape Cape 1.0 (1) 2.0		Steynsburg D	ierehospi	taal									
PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu- Cape Cape Cape 1.0 (1) 2.0 (1) Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Sheep 1.0 (1) 2.0 (1) Vestern Cape Beaufort West, Beaufort Dierekliniek Sheep: 1 Horthern Cape		hovia											
PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu- Rastern Cape Cape 1.0 (1) 2.0 (1) Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Sheep Vestern Cape Beaufort West, Beaufort Dierekliniek Sheep: 1 Horthern Cape													
Average Limpopo West State Natal Cape Cape 1.0 (1) 2.0 (1) Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Sheep Vestern Cape Beaufort West, Beaufort Dierekliniek Sheep: 1 Horthern Cape	Pasteurel	losis											
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Sheep Vestern Cape Beaufort West, Beaufort Dierekliniek Sheep: 1 Horthern Cape	PROVINCE	Mpumalanga	Gauteng	Limpopo						Norther Cape			
Reported Sheep Vestern Cape Beaufort West, Beaufort Dierekliniek Sheep: 1 Horthern Cape	Average								1.0(1)	2.0 (1			
Vestern Cape Beaufort West, Beaufort Dierekliniek Bheep: 1 Horthern Cape	Level of impo reported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than 1	10 cases			
Beaufort West, Beaufort Dierekliniek Sheep: 1 Horthern Cape	Sheep								1.0(1)	2.0 (1			
Beaufort West, Beaufort Dierekliniek Sheep: 1 Horthern Cape	Vestern Ca _l	ре							, ,				
lorthern Cape	Beaufort We		Diereklinie	ek									
		ре											

Sheep: 2									
Young ewes									
Klebsiella	a								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average						2.0 (1)			
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than 1	10 cases
Dairy						2.0 (1)			
Kwazulu-Na	etal								
	tcourt Vet Clir	nic							
Dairy: 2									
Protozo	al diseases	(other	١						
11000200	ar discuses	(other)	<u>, </u>						
Coccidios	sis								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.5 (4)	2.5 (2)	3.0 (1)		2.5 (2)	1.8 (4)	1.3 (3)	1.8 (9)	2.0 (2)
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than 1	l0 cases
Beef	3.0 (1)	3.0 (1)				2.0 (2)		2.0 (1)	2.0 (1)
Dairy							2.0 (1)	2.0 (1)	
Sheep	3.0 (1)	2.0 (1)	3.0 (1)		2.5 (2)	2.0 (1)		1.7 (7)	
Goat	2.0 (2)			•	, ,	1.0(1)	1.0(2)		2.0 (1)
Mpumalang	·								
	Longtom Dier	ekliniek							
	ep: 3, Goat: 2								
	lelspruit Anima	al Hospita	ıl						
Goat: 2									
Gauteng									
	t, Muldersdrift	Animal H	lospital						
Beef: 3									
Clves									
	ima Veterinar	y Consult	ing Rooms	3					
Sheep: 2									
Limpopo Makhado B	louberg Dierel	kliniak							
Sheep: 3	olouberg Dierei	KIIIIEK							
10 cases									
Free State									
	land Dierehos	pitaal							
- ,									

Sheep: 2									
Villiers, Wil	gepoort Dierel	kliniek Ve	nnootskap)					
Sheep: 3									
Kwazulu-Na	atal								
Bergville, B	ergville Veteri	nary Clini	С						
Beef: 2									
Mooi River,	Mooirivier Vet	t Clinic							
Beef: 2, Shee	ep: 2, Goat: 1								
Eastern Cap									
Alexandria,	Alexandria Pla	atteland S	preekkam	er					
Dairy: 2									
Calves									
Bathurst, D	r Jane Pistoriu	IS							
Goat: 1									
Graaff-Rein	et, Camdeboo	Veterina	y Clinic						
Goat: 1	•		-						
Western Ca	ре								
Beaufort W	est, Beaufort \	Nest State	e Vet						
Sheep: 1	•								
	verberg Veterii	nary Hosp	ital						
Sheep: 2									
George, Ge	orge Animal H	ospital							
Sheep: 3									
	(WC), Heidelb	erg Diere	kliniek						
Dairy: 2, She									
	y, Groenkloof I	Diereklini	ek						
Beef: 2									
Calves									
Oudtshoorn	, Oudtshoorn	Diereklini	ek						
Sheep: 1	•								
	Riversdal Dier	ekliniek							
Sheep: 2									
	h, Stellenbosc	h Animal	Hospital						
Sheep: 1	•		<u> </u>						
Northern Ca	ape								
	Curuman Diere	kliniek							
Beef: 2									
Postmasbu	rg, Postmasbu	rg Dierek	liniek						
Goat: 2	5,								
Cryptosp	oridium								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.6 (5)	3.0 (2)			2.1 (7)	2.9 (8)		2.0 (3)	
Level of impreported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than 1	10 cases
Beef	2.8 (4)	3.0 (1)			2.0 (4)	3.0 (4)			

Sheep 2.0 (1) 3.0 (2) 2.0 (1) Sheep 2.0 (1) 3.0 (1) 2.5 (2) Mpumalanga Bethal, Bethal Dierekliniek Sheep: 2 Lydenburg, Longtom Dierekliniek Beef: 3 Highly suspect, killing calves 2-4 weeks old, waiting for results to confirm diagnoses. Multiple extens around Lydenburg Middelburg, Middelburg Dierehospitaal Beef: 3 Standerton, Econovet Beef: 2	
Sheep 2.0 (1) 3.0 (2) 2.5 (2) Mpumalanga Bethal, Bethal Dierekliniek Sheep: 2 Lydenburg, Longtom Dierekliniek Beef: 3 Highly suspect, killing calves 2-4 weeks old, waiting for results to confirm diagnoses. Multiple extens around Lydenburg Middelburg, Middelburg Dierehospitaal Beef: 3 Standerton, Econovet	(2)
Mpumalanga Bethal, Bethal Dierekliniek Sheep: 2 Lydenburg, Longtom Dierekliniek Beef: 3 Highly suspect, killing calves 2-4 weeks old, waiting for results to confirm diagnoses. Multiple extens around Lydenburg Middelburg, Middelburg Dierehospitaal Beef: 3 Standerton, Econovet	(3)
Bethal, Bethal Dierekliniek Sheep: 2 Lydenburg, Longtom Dierekliniek Beef: 3 Highly suspect, killing calves 2-4 weeks old, waiting for results to confirm diagnoses. Multiple extens around Lydenburg Middelburg , Middelburg Dierehospitaal Beef: 3 Standerton, Econovet	
Sheep: 2 Lydenburg, Longtom Dierekliniek Beef: 3 Highly suspect, killing calves 2-4 weeks old, waiting for results to confirm diagnoses. Multiple extens around Lydenburg Middelburg , Middelburg Dierehospitaal Beef: 3 Standerton, Econovet	
Lydenburg, Longtom Dierekliniek Beef: 3 Highly suspect, killing calves 2-4 weeks old, waiting for results to confirm diagnoses. Multiple extens around Lydenburg Middelburg , Middelburg Dierehospitaal Beef: 3 Standerton, Econovet	
Beef: 3 Highly suspect, killing calves 2-4 weeks old, waiting for results to confirm diagnoses. Multiple extens around Lydenburg Middelburg, Middelburg Dierehospitaal Beef: 3 Standerton, Econovet	
Highly suspect, killing calves 2-4 weeks old, waiting for results to confirm diagnoses. Multiple extens around Lydenburg Middelburg, Middelburg Dierehospitaal Beef: 3 Standerton, Econovet	
around Lydenburg Middelburg , Middelburg Dierehospitaal Beef: 3 Standerton, Econovet	
Middelburg , Middelburg Dierehospitaal Beef: 3 Standerton, Econovet	sive beef farms
Beef: 3 Standerton, Econovet	
DECL. Z	
Volksrust, Cape Cross Volksrust Dierehospitaal	
Beef: 3	
Gauteng	
Magaliesburg, Magaliesburg; Dr Ryan Jeffrey	
Beef: 3	
Calves	
Pretoria, Anima Veterinary Consulting Rooms	
Sheep: 3	
Free State	
Bultfontein, Greylingsrust Dierespreekkamer	
Beef: 3, Sheep: 3	
Clocolan, Clocolan Dierekliniek	
Beef: 2, Dairy: 2	
Ficksburg, Oosvrystaat Diere Produkte	
Beef: 2	
Hoopstad, Hoopstad Dierekliniek Beef: 1	
Villiers, Wilgepoort Dierekliniek Vennootskap	
Sheep: 2	
Kwazulu-Natal	
Bergville, Bergville Veterinary Clinic	
Beef: 3	
Estcourt, Estcourt Vet Clinic	
Beef: 3, Dairy: 3, Sheep: 2	
Kokstad, Kokstad Veterinary Clinic	
Beef: 3	
Four farms	
Dairy: 3	
Dairy calves	
Sheep: 3	
Underberg, Underberg Veterinary Surgery	

Beef: 3
Western Cape

Caledon, Caledon Dierekliniek

Dairy: 2

Caledon, Overberg Veterinary Hospital

Dairy: 3

Darling, Tygerberg Dierehospitaal Darling

Dairy: 1

Fungal d	liseases								
Ringworr	n								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State		Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)	2.5 (2)	2.0 (1)	2.3 (3)	2.2 (6)	2.0 (3)	1.0 (1)	1.8 (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)	2.0 (1)	2.3 (3)	2.2 (6)	2.0 (3)		1.5 (2)	
Dairy							1.0 (1)	2.0 (3)	
Sheep		2.0(1)							
Beef: 1 Gauteng Magaliesbur Beef: 3 Pretoria, An Sheep: 2 Limpopo Makhado, B Beef: 2 Four cases North West Brits, Brits I Beef: 3	four Diereklining, Magaliesbuima Veterinar louberg Dierekliniek Christiana Die	ırg; Dr Ry y Consult kliniek	ing Rooms						
Beef: 2	o, Ventersdorp								
Free State Bloemfonte Beef: 3 Harrismith, Beef: 3	in, Dr Stephan	erehospit							
Beef: 2 Reitz, Riem l Beef: 1	Kroonstad Die	pitaal	al						
Beef: 1	nekal Dierekli on, Viljoenskro		kliniek						
Kwazulu-Na Bergville, Bo Beef: 2	ital ergville Veteri Mtubatuba Ar								

Beef: 2									
	Underberg Ve	terinary S	urgery						
Beef: 2									
Eastern Cap		m Wataulia	ami Climia						
numansdor Dairy: 1	p, Humansdor	p veterina	ary Clinic						
Western Ca	ne .								
	verberg Veteri	nary Hosp	ital						
Beef: 2	rending receive	у 1100р							
Heidelberg	(WC), Heidelb	erg Dierel	kliniek						
Dairy: 2									
	Riversdal Dier	ekliniek							
Dairy: 1									
	h, Stellenbosc	h Animal	Hospital						
Beef: 1	. C.v.allandanı	Diawahaa	-:						
	n, Swellendam	Dierenos	pitaai						
Dairy: 3									
Viral Dis	seases (oth	er)							
D140 (
BMC (sno	otsiekte)								
PROVINCE	Mpumalanga	Gauteng	Limpopo	North		Kwazulu-	Eastern	Western	Northern
		.		West	State	Natal	Cape	Cape	Cape
					1.7				
Average	1.0(1)			2.0 (1)	1.7	1.5 (2)	2.0 (1)		2.0(1)
	` '			, ,	(3)	()			,
Level of imp	ortance scale: 1	- one case	2 - more	than on	e case h	ut loce than t	on and 3 –	more than	10 cases
reported	ortarice scale. 1	- one case	., Z – IIIOIC	. criari ori	c case b	ut icss than t	cii ana 5 –	more than .	io cases
					1.7				
Beef	1.0(1)			2.0 (1)	1./	1.0(1)	2.0 (1)		2.0(1)
	. ,			` '	(3)	. ,	` ′		()
Dairy						2.0 (1)			
Mpumalang	ja								
	, Middelburg I	Dierehosp	itaal						
Beef: 1									
North West									
Ventersdor Beef: 2	p, Ventersdorp	Diereklin	іек						
Free State									
	in, Dr Stephan	Wessels							
Beef: 2	m, Di Ocephan	11055015							
	Hoopstad Diere	ekliniek							
Beef: 1	<u> </u>								
Smithfield,	Freestate Smit	thfield SV							
Beef: 2									
	ed case Smithfiel	ld, waiting	for one lab	confirma	tion (Mo	hokare)			
Kwazulu-Na									
	ugela Vet Clini	С							
Beef: 1	stoourt Vot Cli-	nic							
Dairy: 2	stcourt Vet Clir	IIC .							
Eastern Cap	ne								
Lustern Cap									

Alexandria, Beef: 2	Riverview Tra	ding Vet	Consulting	Service	es				
Northern Ca	no.								
	ipe Kimberley Die	rakliniak							
Beef: 2	idiliberiey Die	CKIIIICK							
Rabies									_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average				1.0(1)					
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Beef				1.0(1)) 				
North West									
	yburg Prov Ve	t Laborate	ory						
Beef: 1			-						
Mamusa									
BVD (Bov	vine viral dia	arrhoea							4
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)	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 (2)				1.0 (1)			1.0 (1)	2.0 (1)
Mpumalang	а								
	four Diereklin	iek							
Beef: 2									
	Longtom Dier	ekliniek							
Beef: 2									
Late abortion: Free State	s, weak calves,	was diagno	sea by lab						
	loopstad Diere	akliniak							
поорѕtац, п Beef: 1	ioopstau Diere	CKIIIIEK							
Western Ca	ре								
	erberg Diereh	ospitaal I	Darling						
Beef: 1									
Northern Ca									
	g, Postmasbu	rg Dierek	liniek						
Beef: 2									
IBR (Infe	ectious bovi	ne rhind	tracheit	is)					-

Alexandra Brancha Tanka Water

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
Beef						2.0 (2)			
Dairy						2.0 (1)			
Kwazulu-Na Bergville, Tu	ital ugela Vet Clini	С							
Beef: 1	_								
	zburg, Veterin	ary House	e Hospital						
Beef: 3 Underberg.	Underberg Ve	terinary S	Surgery						
Dairy: 2	<u> </u>		.u. ge. ,						
Interstitial pn	eumonia, mostly	y in calves							
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)				1.5 (2)	1.0 (1)	2.0 (2)	
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Beef		1.0(1)				1.0(1)			
Dairy						2.0 (1)	1.0(1)	2.0 (2)	
Gauteng							, ,		
	derstepoort A	cademic	Hospital a	nd Prod	uction A	Animal Clinic	С		
Beef: 1									
Kwazulu-Na Estcourt, Es	ıtaı tcourt Vet Clir	nic							
Dairy: 2									
	zburg, Veterin	ary House	Hospital						
Beef: 1	_								
Eastern Cap	e Alexandria Pla	atteland S	nreekkam	er					
Dairy: 1	Alexandila i i	accelana c	ргссккап						
Western Ca	pe								
	, Malmesbury	Dierehos	pitaal						
Dairy: 2	h, Stellenbosc	h Animal	Hoenital						
Dairy: 2	n, Stellelibosc	ii Aniinal	nospitai						
Orf									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape

Average	1.0 (1)		2.3 (4)	2.0 (2)	2.0 (2)	1.0 (1)	1.9 (7)	
Level of impore	ortance scale: 1	= one case, 2 = more	than one	e case bu	ut less than to	en and 3 =	more than 1	0 cases
Sheep	1.0 (1)		2.5 (2)	2.0 (2)	2.0 (2)		1.8 (6)	
Goat			2.0(2)			1.0(1)	2.0(1)	
Mpumalang	а							
Ermelo, Môi	regloed Veteri	inêre Spreekkamer						
Sheep: 1								
North West								
	Christiana Die	erehospitaal						
Sheep: 3								
	Klerksdorp Di	ierehospitaal						
Sheep: 2, Go								
	o, Ventersdorp	Dierekliniek						
Goat: 2								
Free State	/							
	Kroonstad Die	erenospitaai						
Sheep: 2	gangart Diaral	kliniek Vennootskap						
Sheep: 2	gepoort Dierei	Killilek velillootskap	,					
Sneep. 2 Kwazulu-Na	ntal							
	tcourt Vet Clir	nic						
Sheep: 3	teoure recom							
	zbura. Veterin	ary House Hospital						
Sheep: 1		,						
Eastern Cap	e							
		Veterinary Clinic						
Goat: 1								
Western Ca	pe							
	est, Beaufort I	Dierekliniek						
Sheep: 2								
	est, Beaufort \	West State Vet						
Sheep: 1								
	orge Animal H	ospital						
Sheep: 3	(140) 1: :: ::							
	(WC), Heidelb	erg Dierekliniek						
Sheep: 1	Octubrack							
Oudtshoorn								
Sheep: 2, Go	at: 2 Riversdal Dier	rakliniak						
Sheep: 2	MVCI Suai Diei	CAIIIICA						
энеер. 2								

Warts									
PROVINC	E Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.3 (3)	2.5 (2)	2.0 (1)	2.0 (1)	1.7 (3)	1.8 (4)	2.0 (1)	1.7 (3)	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

reported	ortance scale: 1	= one case	e, 2 = more tha	an one case b	ut less than t	en and 3 =	more than 1	.0 cases
Beef	1.3 (3)	3.0 (1)	2.0 (1) 2.	0 (1) 1.7 (3)	2.0 (3)	2.0 (1)	1.5 (2)	3.0 (1)
Dairy				'	•		2.0(1)	
Sheep		2.0 (1)			1.0(1)		, ,	
Mpumalang						<u>.</u>		
	lfour Diereklin	iek						
Beef: 1								
Lydenburg	Longtom Die	rekliniek						
Beef: 2								
Nelspruit, I	Nelspruit Anim	al Hospita	1					
Beef: 1	<u>-</u>							
Gauteng								
	ırg, Magaliesb	urg; Dr Rya	an Jeffrey					
Beef: 3	<i></i>		•					
Pretoria, A	nima Veterina	rv Consulti	na Rooms					
Sheep: 2		,						
Limpopo								
	Blouberg Diere	kliniek						
Beef: 2								
Five cases								
North West	:							
	Christiana Die	erehospita	al					
Beef: 2								
Free State								
	locolan Dierek	liniek						
Beef: 2								
Vilioenskro	on, Viljoenskr	oon Dierek	diniek					
Beef: 2	, ,							
	n, Wesselsbro	n Dierekli	niek					
Beef: 1	,							
Kwazulu-N	atal							
	, Mtubatuba A	nimal Clini	c					
Beef: 1								
Newcastle,	Ncanduvet Ne	ewcastle						
Sheep: 1								
	Underberg Ve	eterinary S	urgery					
Beef: 3	_	,						
Vryheid, Vr	yheid Privaat	Veeartse						
Beef: 2								
Eastern Cap	pe							
	, Steynsburg I	Dierehospi	taal					
Beef: 2		•						
Western Ca	ре							
	aledon Dierekl	iniek						
Beef: 1								
	orge Animal H	ospital						
Beef: 2	_							
	Riversdal Die	rekliniek						
Dainy: 2								

Dairy: 2

Northern Cape

Kimberley, Kimberley Dierekliniek

Beef: 3									
Rota viru	IS								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average						1.0 (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						1.0 (2)	3.0 (1)		
Kwazulu-Na	etal					1.0 (2)	2.0 (1)		
	tcourt Vet Clir	nic							
Beef: 1									
	Ncanduvet Ne	wcastle							
Beef: 1									
Eastern Cap Alexandria	e Riverview Tra	dina Vet (Consulting	Service)C				
Beef: 3	KIVEI VIEW II a	unig vet	consuming	Service					
Corona V	irus								_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average						1.0 (1)			
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than :	10 cases
Beef						1.0(1)			
Kwazulu-Na	etal								
Newcastle,	Ncanduvet Ne	wcastle							
Beef: 1									
Poisonin	igs (Plant)	and Fu	ngal						
i Olsoilli	igs (Flaire)	ana r a	iigai						
Cardiac g	lycoside po	isoning							_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					1.0 (2)		1.0 (1)	2.0 (1)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef					1.0 (1)				
Sheep					1.0 (1)			2.0 (1)	
					(-)				

	1.0 (1)												
ree State													
	Kroonstad Die	rehospita	al										
Sheep: 1													
•	nekal Dierekli	niek											
Beef: 1													
astern Cap													
	et, Camdeboo	Veterina	y Clinic										
Goat: 1													
Vestern Ca _l													
	est, Beaufort \	West State	e Vet										
Sheep: 2													
Suspected tul	ip or witstorm to	oxicity											
Cestrum Cestrum Company Compan									_				
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape				
Average		2.0 (1)		1.0 (1)	1.0 (1)								
Level of impo reported	ortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than t	en and 3 =	more than :	10 cases				
Beef		2.0 (1)		1.0 (1)	1.0 (1)								
Gauteng													
Bronkhorsts	pruit, Kerkstr	aat Diere	kliniek										
Beef: 2													
				Beef: 2									
hristiana (North West												
Christiana, Christiana Dierehospitaal													
Beef: 1	Christiana Die	rehospita	al										
eef: 1			al										
eef: 1 ree State Bloemfontei	Christiana Die in, Dr Stephan		al										
Beef: 1 Free State Bloemfontei			al										
Beef: 1 Free State Bloemfontei Beef: 1		ı Wessels	al										
Beef: 1 Free State Bloemfonte Beef: 1 Cynanche	in, Dr Stephan	wessels		North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape				
Beef: 1 Free State Bloemfontei Beef: 1 Cynanche PROVINCE	in, Dr Stephan um poisonin	wessels											
Beef: 1 Free State Bloemfontei Beef: 1 Cynanche PROVINCE Average Level of impo	in, Dr Stephan um poisonin	Wessels Gauteng	Limpopo	West	State	Natal	Cape	Cape 1.5 (2)	Cape				
Beef: 1 Bree State Bloemfontei Beef: 1 Cynanche PROVINCE Average Level of imporeported	in, Dr Stephan um poisonin Mpumalanga	Wessels Gauteng	Limpopo	West	State	Natal	Cape	Cape 1.5 (2)	Cape				
Beef: 1 Free State Bloemfonter Beef: 1 Cynanche PROVINCE Average Level of imporreported Dairy	in, Dr Stephan um poisonin Mpumalanga ortance scale: 1	Wessels Gauteng	Limpopo	West	State	Natal	Cape	1.5 (2) more than :	Cape				
Beef: 1 Bree State Bloemfonte Beef: 1 Cynancho PROVINCE Average Level of imporreported Dairy Vestern Cap	in, Dr Stephan um poisonin Mpumalanga ortance scale: 1	Gauteng = one case	Limpopo e, 2 = more	West	State	Natal	Cape	1.5 (2) more than :	Cape				
Beef: 1 Bree State Bloemfontei Beef: 1 Cynanche PROVINCE Average Level of imporeported Dairy Vestern Calleidelberg (in, Dr Stephan um poisonin Mpumalanga ortance scale: 1	Gauteng = one case	Limpopo e, 2 = more	West	State	Natal	Cape	1.5 (2) more than :	Cape				
Reef: 1 Free State Bloemfontei Bloemfontei Bloef: 1 Cynanche PROVINCE Average Level of impore reported Dairy Vestern Cap Heidelberg (Dairy: 2	in, Dr Stephan um poisonin Mpumalanga ortance scale: 1	Gauteng = one case erg Diere	Limpopo e, 2 = more	West	State	Natal	Cape	1.5 (2) more than :	Cape				
Reef: 1 Free State Bloemfontei Bloemfontei Bloef: 1 Cynanche PROVINCE Average Level of impore reported Dairy Vestern Cap Heidelberg (Dairy: 2	in, Dr Stephan um poisonin Mpumalanga ortance scale: 1	Gauteng = one case erg Diere	Limpopo e, 2 = more	West	State	Natal	Cape	1.5 (2) more than :	Cape				

Facial ecz	zema								^	
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average					2.0 (2)			2.0 (2)		
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported										
Sheep					2.0 (2)			2.0 (2)		
Free State						•				
	land Dierehos	nitaal								
Sheep: 2	iaila Dicicii05	pitaai								
Villiers, Wil	gepoort Dierel	kliniek Ve	nnootskap)						
Sheep: 2										
Western Ca	pe (WC), Heidelb	era Dierel	kliniok							
	(wc), neidelb	erg Dierei	KIIIIEK							
Sheep: 2	Divoredal Dis-	rokliniak								
	Riversdal Dier	екипіек								
Sheep: 2										
Geeldikk	op/Dikoor								^	
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average								2.0 (1)		
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases	
Sheep								2.0 (1)		
•								2.0 (1)		
Western Ca		ora Diarel	diniak							
	(WC), Heidelb	erg Dierei	KIIIIEK							
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 impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases	
Beef	2.0(1)									
Mpumalang										
	a , Middelburg I	Dierehoen	itaal							
	, maderburg i	o lei ei iosp	ıcaaı							
Beef: 2										

Lantana									_	
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average	2.5 (2)		2.0 (1)	3.0 (1)		1.7 (3)				
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than to	en and 3 =	more than :	10 cases	
Beef	2.5 (2)		2.0 (1)	3.0 (1)		1.7 (3)				
Mpumalang	a									
Ermelo, Môregloed Veterinêre Spreekkamer Beef: 3 Piet Retief, Pets Vet Hospital Beef: 2 Limpopo Makhado, Blouberg Dierekliniek Beef: 2 North West Brits, Brits Dierekliniek Beef: 3 Kwazulu-Natal Bergville, Bergville Veterinary Clinic Beef: 2 Dundee, Endumeni Herd health Beef: 1 Estcourt, Estcourt Vet Clinic										
Beef: 2										
Lunine Pa	nisonina									
Lupine Po	oisoning Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
PROVINCE		Gauteng	Limpopo							
PROVINCE Average Level of impo				West	State	Natal	Cape	3.0 (1)	Саре	
PROVINCE Average	Mpumalanga			West	State	Natal	Cape	3.0 (1)	Саре	
PROVINCE Average Level of impore ported Sheep Western Ca Piketberg, F Sheep: 3	Mpumalanga ortance scale: 1	= one case	e, 2 = more	West	State e case b	Natal ut less than to	Cape en and 3 =	3.0 (1) more than : 3.0 (1)	Cape 10 cases	
Average Level of impore reported Sheep Western Ca Piketberg, F Sheep: 3 Dvereating of conditions.	Mpumalanga ortance scale: 1 pe Piketberg Diere	= one case ehospitaa s and whea	e, 2 = more I at stubble d	West	State e case b	Natal ut less than to	Cape en and 3 =	3.0 (1) more than : 3.0 (1)	Cape 10 cases	
Average Level of impore reported Sheep Western Ca Piketberg, F Sheep: 3 Overeating of conditions. Nenta po	Mpumalanga ortance scale: 1 pe Piketberg Diere	= one case ehospitaa s and whea	e, 2 = more I at stubble de te)	West	State e case b	Natal ut less than to	Cape en and 3 =	3.0 (1) more than : 3.0 (1)	Cape 10 cases	

Goat Eastern Cap Graaff-Rein Goat: 1 Nitrate po	et, Camdeboo oisoning	Veterinar	y Clinic				1.0 (1)		
Graaff-Rein Goat: 1 Nitrate po	et, Camdeboo oisoning	Veterinar	y Clinic						
Goat: 1 Nitrate po	oisoning	Veterinar	y Clinic						
Nitrate po									
PROVINCE	Mnumalanga								^
	pamaianga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average								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									
Dairy								2.0 (1)	
Sheep								2.0 (1)	
Sheep: 2 Riversdale, Riversdal Dierekliniek Dairy: 2 Prussic acid poisoning									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average							2.0 (1)		'
Level of impore	ortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than te	en and 3 =	more than 1	.0 cases
Sheep							2.0 (1)		
astern Cap Steynsburg, Sheep: 2	e , Steynsburg D	ierehospi	taal						
	s poisoning								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
								3.0 (1)	
Average								1.1	
_	ortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than to	en and 3 =	more than 1	.0 cases
Level of impo	ortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than to	en and 3 =	more than 1	.0 cases

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

Sheep: 3									
Tulip Pois	oning								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (2)	2.0 (1)		2.0 (1)	2.0 (5)	3.0 (1)		1.0 (1)	
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than to	en and 3 =	more than 1	10 cases
Beef	2.0 (2)	2.0 (1)		2.0 (1)	2.0 (4)			1.0 (1)	
Dairy						3.0 (1)			
Sheep					2.0 (1)				
Mpumalang	a								
	egloed Veteri	nêre Spre	ekkamer						
Beef: 2									
Standerton,	Econovet								
Beef: 2									
Gauteng		_							
	pruit, Kerkstr	aat Dierel	kliniek						
Beef: 2									
North West									
Brits, Brits [Beef: 2	иегекшпіек								
Free State									
	Ladybrand Die	arakliniak							
Beef: 2	Lauybi aliu Die	EIEKIIIIEK							
	and Dierehos	nitaal							
Beef: 2	una Bierenos	picaai							
	gepoort Dierek	kliniek Ve	nnootskap)					
Beef: 2, Shee									
	e Dierehospita	aal							
Beef: 2									
Two cases									
Kwazulu-Na									
•	lumeni Herd h	nealth							
Dairy: 3									
Western Ca _l									
	, Malmesbury	Dierehos	pitaal						
Beef: 1									
Mycotoxi	cosis								_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape

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

Beef	3.0 (1)	1.0(1)	
Dairy		1.5 (2)	

Gauteng

Muldersdrift, Muldersdrift Animal Hospital

Beef: 3

Suspected aflatoxin poisoning in cattle, 10 deaths

Western Cape

Darling, Tygerberg Dierehospitaal Darling

Dairy: 1

Malmesbury, Malmesbury Dierehospitaal

Beef: 1, Dairy: 2

Other										
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)		3.0 (1)	2.5 (2)		

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

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

Mpumalanga

Grootvlei, Grootvlei Dierekliniek

Beef: 2 Sinksulfiet

Gauteng

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Sheep: 1 Syrimga

Free State

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 2

Xanthium vergift.

Eastern Cape

Adelaide, Adelaide Veterinary Clinic

Beef: 3

Drought causes animals to eat toxic plants, only green plants available.

Western Cape

Malmesbury, Groenkloof Dierekliniek

Sheep: 3

Chinkrinchee poisoning - blindness

Piketberg, Piketberg Dierehospitaal

Beef: 2

Chinkerinchee poisoning

Poisonings

Urea Pois	oning								
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average				1.0 (1)	1.0 (1)	1.0 (1)	2.0 (1)	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)	1.0 (1)		1.0 (1)	
Sheep				1.0(1)			2.0 (1)		
Sheep: 1 Free State Senekal, Ser Seef: 1 Kwazulu-Na Mooi River, Seef: 1 Sastern Cap Graaff-Rein Sheep: 2 Vestern Cap Stellenbosc Seef: 1 Snake Bit	Mooirivier Vet e et, Graaff Reir pe h, Stellenbosc	niek : Clinic net Veterii	nary Clinic Hospital	North	Free	Kwazulu- Natal	Eastern Cape	Western	Northerr Cape
Average		1.0 (1)			1.0 (1)				2.0 (1)
Level of impore	ortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than t	en and 3 =	more than	10 cases
Beef		1.0 (1)			1.0 (1)				2.0 (1)
eef: 1 ree State	t, Muldersdrift gepoort Dierek								
Beef: 1 Northern Ca	no.								

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 on	e case b	ut less than t	en and 3 =	more than	10 cases
Sheep								1.5 (2)	
Western Ca	ре								
	est, Beaufort [Diereklinie	ek						
Sheep: 2	est, Beaufort \	Nost State	o Vot						
Sheep: 1	est, beautoit v	vest Stati	e vet						
luveld moun	tains								
Chemical	products								
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)	3.0 (1)							
evel of imposeported	2.0 (1)	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Goat	()	3.0 (1)							
Apumalang	a								
	rootvlei Diere	kliniek							
Beef: 2									
Gauteng Hammanski	raal, Themba A	Animal Cli	nic						
Goat: 3	,								
Other									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northerr Cape
Average					1.0 (1)		3.0 (1)		
	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Сротсси					1.0		3.0 (1)		
reported	nunce scale. 1	- One case	c,	. uiaii Uli		ut icss tilali t		more triail	io case

Photosensitivi	tv								
Eastern Cap	•								
	- lelaide Veterir	narv Clinio	2						
Beef: 3		,	-						
Macro No	utritional F	roblen	าร						
Energy de	eficiency								
Lifeigy ut	enciency								-
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.3 (7)	2.5 (6)		2.8 (4)	2.7 (6)	2.5 (14)	2.7 (6)	2.0 (4)	2.4 (5)
Level of impo	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than :	10 cases
Beef	2.2 (5)	2.8 (4)		2.7 (3)	3.0 (3)	2.6 (9)	3.0 (1)	2.0 (1)	2.5 (2)
Dairy					(3)		2.5 (2)	2.0 (1)	
-					2.2			\ /	
Sheep	2.5 (2)	2.0 (1)		3.0 (1)	2.3 (3)	2.3 (3)	2.5 (2)	2.0 (2)	2.5 (2)
Goat		2.0 (1)				2.5 (2)	3.0 (1)		2.0 (1)
Mpumalanga	a								
	four Diereklin	iek							
Beef: 2, Shee	p: 2								
Grootvlei, G	rootvlei Diere	kliniek							
Beef: 1									
Lydenburg,	Longtom Dier	ekliniek							
Beef: 3, Shee	p: 3								
	Lydenburg Die	erespreek	kamer						
Beef: 3									
Nelspruit, N	elspruit Anima	al Hospita							
Beef: 2									
Gauteng									
Hammanskr	aal, Themba A	Animal Cli	nic						
Beef: 3, Shee	p: 2, Goat: 2								
	g, Magaliesbu	ırg; Dr Ry	an Jeffrey						
Beef: 3									
Pretoria, An	ima Veterinar	y Consult	ing Rooms	3					
Beef: 2									
Pretoria, On	derstepoort A	cademic I	Hospital a	nd Prod	uction A	Animal Clinic	С		
Beef: 3									
North West									
Leeudorings	tad, Leeudori	ngstad Di	erekliniek						
Beef: 3, Shee	p: 3								
Stella, Stella	Dierekliniek								
Beef: 3									

Ventersdorp, Ventersdorp Dierekliniek

Clocolan, Clocolan Dierekliniek

Beef: 2
Free State

Beef: 3, Sheep: 3

Memel, Memel Veterinary Clinic

Beef: 3

Philippolis, Rowelsfontein veearts Spreekkamer

Sheep: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Bergville, Tugela Vet Clinic

Beef: 2, Sheep: 2, Goat: 2

Camperdown, Camperdown Vet Clinic

Beef: 2

Dundee, Endumeni Herd health

Beef: 3

Mooi River, Mooirivier Vet Clinic

Beef: 3, Sheep: 3, Goat: 3

Mtubatuba, Mtubatuba Animal Clinic

Beef: 3 Drought

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Underberg, Underberg Veterinary Surgery

Beef: 3 Drought Sheep: 2 Drought

Vryheid, Vryheid Privaat Veeartse

Beef: 3
Eastern Cape

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 2

Humansdorp, Humansdorp Veterinary Clinic

Dairy: 2

Steynsburg, Steynsburg Dierehospitaal

Beef: 3, Dairy: 3, Sheep: 3, Goat: 3

Western Cape

Beaufort West, Beaufort Dierekliniek

Sheep: 2

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2, Sheep: 2

Northern Cape

De Aar, De Aar Veterinary Clinic

Sheep: 3

Kathu, Kathu Dierekliniek

Beef: 3

Kuruman, Kuruman Dierekliniek

Beef: 2, Sheep: 2, Goat: 2

PROVINCE	Mpumalanga	Gauteng	Limpopo		Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.6 (5)	2.4 (7)		2.7 (3)	2.8 (4)	2.3 (9)	2.4 (5)	2.0 (3)	2.5 (4)

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

Beef	2.7 (3)	2.8 (4)		3.0 (2)	2.4 (7)	2.5 (2)	2.0 (1)	3.0 (1)
Dairy		2.0 (1)				2.0 (1)	2.0 (1)	
Sheep	2.5 (2)	2.0 (1)	3 (1 (1)	2.5 (2)	2.0 (1)	2.5 (2)	2.0 (1)	2.5 (2)
Goat		2.0 (1)			2.0 (1)			2.0 (1)

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 2, Sheep: 2

Lydenburg, Longtom Dierekliniek

Beef: 3, Sheep: 3

Lydenburg, Lydenburg Dierespreekkamer

Beef: 3

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 3, Dairy: 2, Sheep: 2, Goat: 2

Magaliesburg, Magaliesburg; Dr Ryan Jeffrey

Beef: 3

Pretoria, Anima Veterinary Consulting Rooms

Beef: 2

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 3
North West

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 3, Sheep: 3

Ventersdorp, Ventersdorp Dierekliniek

Beef: 2 Free State

Clocolan, Clocolan Dierekliniek

Beef: 3, Sheep: 3

Memel, Memel Veterinary Clinic

Beef: 3

Philippolis, Rowelsfontein veearts Spreekkamer

Sheep: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Bergville, Tugela Vet Clinic

Beef: 2, Sheep: 2, Goat: 2

Camperdown, Camperdown Vet Clinic

Beef: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 3 Drought

	zburg, Veterin	ary House	e Hospital						
Beef: 2									
	Underberg Ve	terinary S	urgery						
Beef: 3									
Drought									
	yheid Privaat \	/eeartse							
Beef: 3									
Eastern Cap									
	h, Hertzogbrug	g Diereklii	niek						
Beef: 2	-1 0 - cc D -:								
	et, Graaff Rei	net Veteri	nary Clinic	3					
Sheep: 2									
	ith poor lactation								
	p, Humansdor	p veterin	ary Clinic						
Dairy: 2	61								
	, Steynsburg D	vierenosp	ıtaaı						
Beef: 3, Shee									
Western Ca		Diawahaa	!						
	y, Malmesbury	Dierenos	pitaai						
	y: 2, Sheep: 2								
Northern Ca	•	Clinia							
Sheep: 3	Aar Veterinary	Cimic							
	Curuman Diere	kliniak							
Beef: 3, Shee		KIIIIEK							
Phosphat	te deficiency	У							_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					1.0 (1)	3.0 (1)	3.0 (1)		2.3 (3)
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Beef							3.0 (1)		2.5 (2)
Dairy					1.0 (1)	3.0 (1)			
Goat									2.0 (1)
Free State									
	n, Wesselsbro	n Dierekli	niek						
Dairy: 1									
Kwazulu-Na									
	tcourt Vet Clir	nic							
Dairy: 3									
Eastern Cap	e								
	delaide Veterii	nary Clini	С						
Beef: 3									

Pica, drought, animals chewing on plastic bags
Northern Cape
Kuruman, Kuruman Dierekliniek

Beef: 3

	g, Postmasbu	rg Dierek	liniek							
Beef: 2, Goat										
Calcium c	тепсиепсу									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average	2.0 (2)				2.0 (2)	2.0 (3)	2.0 (1)	2.0 (3)		
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than to	en and 3 =	more than :	10 cases	
Beef	2.0 (1)					2.0 (3)				
Dairy						(-)	2.0 (1)	2.0 (3)		
Sheep	2.0 (1)				2.0 (2)			= 0		
Mpumalanga										
	four Diereklini	iek								
Beef: 2, Shee Free State	p: 2									
	Ladybrand Die	rekliniek								
Ladybrand, Ladybrand Dierekliniek Sheep: 2										
Villiers, Wilgepoort Dierekliniek Vennootskap										
Sheep: 2	9 - 1									
Kwazulu-Na	tal									
Mooi River,	Mooirivier Vet	Clinic								
Beef: 1										
	burg, Veterin	ary House	Hospital							
Beef: 2										
	Underberg Ve	terinary S	urgery							
Beef: 3 Eastern Cap										
-	e p, Humansdor	n Veterin	ary Clinic							
Dairy: 2	p, Humanisuoi	p veteriii	ary Cillic							
Western Ca _l	pe									
	erberg Veterii	narv Hosp	ital							
Dairy: 2										
Malmesbury	, Malmesbury	Dierehos	pitaal							
Dairy: 2										
	Durban Straat	Diereklin	iek Worce	ster						
Dairy: 2										
Micro Nu	ıtritional P	roblem	S							
Iodine de	ficiency								_	
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average						2.0 (1)				

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

	1								
Beef						2.0 (1)			
Kwazulu-Na									
	ergville Veteri	nary Clini	С						
Beef: 2									
Copper d	eficiency								^
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)	
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)	
Sheep		. , ,				, ,	•	1.0 (1)	
Gauteng	'								<u> </u>
	spruit, Kerkstr	aat Diere	kliniek						
Beef: 1									
	with abomasum	ulcers at a	about 2 mor	ths old.					
Kwazulu-Na									
	Underberg Ve	terinary S	Surgery						
Beef: 2									
Western Ca		! ! !	Na!!						
Beef: 2	jerberg Diereh	iospitaai i	Darling						
	y, Malmesbury	Dierehos	nitaal						
Sheep: 1	y, i lannesbar y	Dici cilos	picaai						
Zinc defic	ciency								_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average						2.0 (1)	1.0 (1)	2.0 (1)	
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Beef						2.0 (1)		2.0 (1)	
Dairy							1.0 (1)		
Kwazulu-Na	ntal								
Underberg, Beef: 2	Underberg Ve	terinary S	Surgery						
Eastern Cap	e								
	p, Humansdor	p Veterin	ary Clinic						
Dairy: 1	-								
Western Ca	ре								
Darling, Tyg	jerberg Diereh	ospitaal I	Darling						
Beef: 2									

	deficiency								
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Norther Cape
Average		3.0 (1)				3.0 (1)	1.0 (1)		2.0 (2)
_evel of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than :	10 cases
Beef		3.0 (1)				3.0 (1)			
Sheep									2.0 (1)
Goat							1.0 (1)		
							1.0 (1)		2.0 (1
leef: 3	rg, Magaliesbu		an Jeffrey	,					
wazulu-Na		Lasc							
Inderberg,	Underberg Ve	terinary S	urgery						
Beef: 3									
astern Cap	e								
iraaff-Rein	et, Camdeboo	Veterinar	y Clinic						
ioat: 1									
orthern Ca	=								
	rg, Postmasbu	rg Dierekl	iniek						
Soat: 2									
	pington Veear	tsenyklin	iek						
heep: 2				and fee	d nellets	made mainly	from lucer	of lower o	range rive
heep: 2 /hite livers i	n sheep lambs ir as. Selenium def	n one feedl	ot. Lucerne				from lucerr	າ of lower o	range rive
heep: 2 /hite livers i rigation area	n sheep lambs ir	n one feedl	ot. Lucerne				from lucerr	າ of lower o	range rive
Sheep: 2 White livers in rigation area Witamin A	n sheep lambs ir as. Selenium def	n one feedl īciency, lar	ot. Lucerne nbs do not		(ill thrift)		from lucerr Eastern Cape	of lower o Western Cape	
Theep: 2 White livers in the rigation area Witamin A PROVINCE	n sheep lambs ir as. Selenium def A deficiency	n one feedl īciency, lar	ot. Lucerne nbs do not	produce North	(ill thrift)	Kwazulu- Natal	Eastern	Western Cape	Norther
theep: 2 White livers in the property of the province Average Level of imposition are approved to the province of the provin	n sheep lambs ir as. Selenium def A deficiency	one feedl ficiency, lar	ot. Lucerne mbs do not Limpopo	North West	Free State 2.2 (5)	Kwazulu- Natal	Eastern Cape 3.0 (4)	Western Cape 2.0 (2)	Norther Cape
Theep: 2 White livers in the province PROVINCE Average Level of imported	n sheep lambs in as. Selenium def deficiency Mpumalanga	one feedl ficiency, lar	ot. Lucerne mbs do not Limpopo	North West	Free State 2.2 (5)	Kwazulu- Natal	Eastern Cape 3.0 (4)	Western Cape 2.0 (2)	Norther Cape
Sheep: 2 White livers in the control of the control	n sheep lambs in as. Selenium def deficiency Mpumalanga	one feedl ficiency, lar	ot. Lucerne mbs do not Limpopo	North West	Free State 2.2 (5) e case b	Kwazulu- Natal 2.5 (2) ut less than t	Eastern Cape 3.0 (4) en and 3 =	Western Cape 2.0 (2) more than 2	Norther Cape
Sheep: 2 White livers in crigation area Witamin / PROVINCE Average	n sheep lambs in as. Selenium def deficiency Mpumalanga	one feedl ficiency, lar	ot. Lucerne mbs do not Limpopo	North West	Free State 2.2 (5) e case b	Kwazulu- Natal 2.5 (2) ut less than t	Eastern Cape 3.0 (4) en and 3 = 3.0 (1)	Western Cape 2.0 (2) more than 3	Norther Cape
heep: 2 White livers in rigation area Witamin A PROVINCE Average Level of imported Reported Reef	n sheep lambs in as. Selenium def deficiency Mpumalanga	one feedl ficiency, lar	ot. Lucerne mbs do not Limpopo	North West	Free State 2.2 (5) e case b 2.0 (3)	Kwazulu- Natal 2.5 (2) ut less than t	Eastern Cape 3.0 (4) en and 3 = 3.0 (1) 3.0 (1)	Western Cape 2.0 (2) more than 3	Norther Cape
heep: 2 White livers in rigation area Witamin A PROVINCE Average Level of imported	n sheep lambs in as. Selenium def deficiency Mpumalanga	one feedl ficiency, lar	ot. Lucerne mbs do not Limpopo	North West	Free State 2.2 (5) e case b 2.0 (3)	Kwazulu- Natal 2.5 (2) ut less than t	Eastern Cape 3.0 (4) en and 3 = 3.0 (1) 3.0 (1) 3.0 (1)	Western Cape 2.0 (2) more than 3	Norther Cape
heep: 2 //hite livers in rigation area //itamin / //PROVINCE Average evel of imported eef airy heep oat ree State	n sheep lambs in as. Selenium def deficiency Mpumalanga	Gauteng = one case	ot. Lucerne mbs do not Limpopo	North West	Free State 2.2 (5) e case b 2.0 (3)	Kwazulu- Natal 2.5 (2) ut less than t	Eastern Cape 3.0 (4) en and 3 = 3.0 (1) 3.0 (1) 3.0 (1)	Western Cape 2.0 (2) more than 3	Norther Cape

Beef: 3, Shee									
	gepoort Dierel	kliniek Ve	nnootskap						
Beef: 2, Shee									
Kwazulu-Na									
	ergville Veteri	nary Clini	С						
Beef: 2		_							
	yheid Privaat \	/eeartse							
Beef: 3									
Eastern Cap									
	, Steynsburg D		itaal						
	y: 3, Sheep: 3, 0	oat: 3							
Western Ca	•	D'							
	y, Malmesbury	Dierenos	рітааі						
Beef: 2, Dair	y: 2								
Vitamin I	3 1 deficien	cy							^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average						1.0 (1)		1.0 (2)	
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than :	10 cases
Beef								1.0(1)	
Sheep								1.0(1)	
Goat						1.0(1)			
Kwazulu-Na	atal						_		
Camperdow	n, Camperdov	vn Vet Cli	nic						
Goat: 1									
Western Ca	pe								
Malmesbury	y, Malmesbury	Dierehos	pitaal						
Beef: 1, Shee			•						
	ctorial Dise	ease Co	nditions	5					
Abortions									^
Abortions									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (4)	2.0 (2)		2.5 (4)	2.0 (9)	1.6 (7)	2.0 (1)	2.2 (5)	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

2.0 (5)

1.0 (1) 1.4 (5)

2.0 (1)

2.0 (1)

2.3 (4)

1.0(1)

2.3 (3)

2.0 (3)

Beef

Dairy

2.0 (1)

Sheep	2.0 (1)	2.0 (1)	3.0 (1)	7 11 (1 1	I
Goat	. /	. /	3.0 (1)	2.0 (1)	
Mpumalang	ıa			2.0 (1)	
	lfour Diereklin	iek			
Beef: 2	ilour Bicrekiiii	ION			
	Longtom Dier	ekliniek			
Beef: 2, She		CKITITOK			
	, Middelburg I	Dierehospitaal			
Beef: 2	,,	- ICI CII COPICALA			
Gauteng					
	ft, Muldersdrift	Animal Hospita	al		
Beef: 2	, , , , , , , , , , , , , , , , , , ,				
Late stage					
	nima Veterinar	y Consulting Ro	oms		
Sheep: 2		,			
North West					
	Dierekliniek				
Beef: 2					
	Christiana Die	rehospitaal			
Beef: 3, She					
	p, Ventersdorp	Dierekliniek			
Beef: 2	p, ree.				
Free State					
	in, Dr Stephan	Wessels			
Beef: 2	m, z. otopnan				
	Hoopstad Diere	ekliniek			
Beef: 3, She					
	Kroonstad Die	rehospitaal			
Beef: 2					
	Ladybrand Die	erekliniek			
Beef: 1					
	nekal Dierekli	niek			
Dairy: 1, She					
		kliniek Vennoot	skap		
Beef: 2, She					
Kwazulu-N					
	ergville Veteri	nary Clinic			
Beef: 2		,			
	ugela Vet Clini	ic			
Beef: 1	<u> </u>				
	dumeni Herd l	nealth			
Beef: 2		- Curui			
	stcourt Vet Clir	nic			
Sheep: 2, Go					
	Mooirivier Vet	t Clinic			
Beef: 1					
	zburg, Veterin	ary House Hosp	oital		
Beef: 1		,	- 		
Eastern Ca	oe .				
		atteland Spreek	kamer		
Beef: 2					
Western Ca	ipe				
	y, Dr Otto Krie	k			
	,, 300 1410				

Dairy: 2										
	, Invitrotech									
Dairy: 2	,,									
	ulled one anima									
	, Malmesbury		pitaal							
Beef: 2, Dairy										
	n, Swellendam	Dierehos	pitaal							
Dairy: 3	•		•							
Northern Ca	ре									
Kuruman, K	uruman Diere	kliniek								
Beef: 1										
Stillbirths	5								^	
		ı			ll e					
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average	2.0 (2)				2.0 (4)	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	2.0 (1)				2.0 (2)	2.0 (1)			2.0 (1)	
Sheep	2.0 (1)				2.0 (2)					
Mpumalang	а									
Lydenburg,	Longtom Dier	ekliniek								
Beef: 2, Shee	p: 2									
Free State										
	Greylingsrust	Dierespr	eekkamer							
Beef: 2, Shee	•									
	Kroonstad Die	rehospita	al							
Beef: 2										
	Ladybrand Die	erekliniek								
Sheep: 2	1-1									
Kwazulu-Na										
Beef: 2	ergville Veteri	nary Clini	C							
Northern Ca	ine									
	uruman Diere	kliniek								
Beef: 2	araman biele	MIIICK								
Abscesse	S								^	
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average	1.0 (4)		1.0 (1)	2.0 (2)	2.3 (4)	2.0 (5)	2.0 (2)	1.0 (4)	2.3 (3)	

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

Beef	1.0 (2)		2.0 (1)	2.0 (2)	2.5 (2)			3.0 (1)
Dairy				2.0 (1)			1.0 (2)	
Sheep	1.0 (2)	1.0 (1)	2.0 (1)	3.0 (1)	2.0 (2)	2.0 (2)	1.0 (1)	2.0 (1)
Goat					1.0 (1)		1.0 (1)	2.0 (1)

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1, Sheep: 1

Grootvlei, Grootvlei Dierekliniek

Beef: 1

Middelburg, Middelburg Dierehospitaal

Sheep: 1 Limpopo

Modimolle, Kranskop Dierekliniek

Sheep: 1

Pedi ewe with udder abscess

North West

Ventersdorp, Ventersdorp Dierekliniek

Beef: 2, Sheep: 2

Free State

Bultfontein, Greylingsrust Dierespreekkamer

Beef: 1

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Senekal, Senekal Dierekliniek

Dairy: 2

Kwazulu-Natal

Bergville, Tugela Vet Clinic

Beef: 2

Camperdown, Camperdown Vet Clinic

Sheep: 1

Estcourt, Estcourt Vet Clinic

Underberg, Underberg Veterinary Surgery

Beef: 3, Sheep: 3 **Eastern Cape**

Graaff-Reinet, Camdeboo Veterinary Clinic

Steynsburg, Steynsburg Dierehospitaal

Sheep: 3 **Western Cape**

Malmesbury, Dr Otto Kriek

Dairy: 1

Oudtshoorn, Oudtshoorn Dierekliniek

Corynebacterium pseudotuberculosis

Riversdale, Riversdal Dierekliniek

Dairy: 1, Sheep: 1

Northern Cape Colesberg, Karoo Veterinary Hospital Beef: 3 Trueperella pyogenes (ou werf siekte) Kuruman, Kuruman Dierekliniek Sheep: 2, Goat: 2 **Abscesses in general** North Free Kwazulu- Eastern Western Northern PROVINCE Mpumalanga Gauteng Limpopo West State Natal Cape Cape Cape 3.0(2)1.5 (4) 2.0(1)3.0 (1) 2.3 (3) **Average** (4) Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Beef 1.5 (2) 2.0(1)3.0(1)2.0(1) 2.0 3.0 (1) **Dairy** 3.0(1) (1)3.0(1)Sheep 1.5 (2) 2.0(1)(2)Mpumalanga **Bethal, Bethal Dierekliniek** Beef: 1 **Ermelo, Môregloed Veterinére Spreekkamer** Sheep: 1 Lydenburg, Longtom Dierekliniek Beef: 2, Sheep: 2 Gauteng Hammanskraal, Themba Animal Clinic Beef: 2 **North West** Christiana, Christiana Dierehospitaal Beef: 3, Sheep: 3 **Free State** Hoopstad, Hoopstad Dierekliniek Beef: 3, Sheep: 3 Kroonstad, Kroonstad Dierehospitaal Sheep: 2 Senekal, Senekal Dierekliniek Dairy: 2 **Kwazulu-Natal Estcourt, Estcourt Vet Clinic**

Beef: 2, Dairy: 3, Sheep: 2

Malmesbury, Malmesbury Dierehospitaal

Western Cape

Dairy: 3

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Average	1.0 (1)				1.3 (3)			1.0 (1)	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)		
Sheep	1.0 (1)				1.3 (3)			1.0 (1)	1.0 (1)		
Mpumalanga Bethal, Bethal Dierekliniek Sheep: 1 Free State											
Sheep: 1	land Dierehos _l gepoort Dierel		nnootskap)							
Wesselsbro Sheep: 1 Western Ca Heidelberg Sheep: 1	esselsbron, Wesselsbron Dierekliniek eep: 1 estern Cape eidelberg (WC), Heidelberg Dierekliniek										
Northern Ca Kuruman, K Beef: 1, Shee	uruman Diere	kliniek									
Blindness	5								^		
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Average					1.6 (5)	2.0 (1)		1.7 (3)	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)	2.0 (1)					
Dairy								2.0 (1)			
Sheep	1.5 (4)										
Goat	2.0 (1)										
Free State Clocolan, Clocolan Dierekliniek Beef: 2 Kroonstad, Kroonstad Dierehospitaal											
Sheep: 1 Philippolis, Rowelsfontein veearts Spreekkamer											

Sheep: 2										
	gepoort Dierel	kliniek Vei	nnootskap)						
Sheep: 2										
	n, Wesselsbro	n Dierekli	niek							
Sheep: 1										
Closantel toxi	icity.									
Kwazulu-Na	atal									
Bergville, B	ergville Veteri	nary Clinic	С							
Beef: 2										
Western Ca	pe									
Beaufort W	est, Beaufort V	West State	e Vet							
Sheep: 1										
Heidelberg	(WC), Heidelb	erg Dierel	kliniek							
Dairy: 2, She	ep: 2									
Northern Ca										
Postmasbui	rg, Postmasbu	rg Dierekl	iniek							
Goat: 2										
Dioot										
Bloat										
				N.		14		NA7	A1. 11	
PROVINCE	Mpumalanga	Gauteng	Limpopo	North	Free	Kwazulu-	Eastern	Western	Northern	
				West	State	Natal	Cape	Cape	Cape	
Average	1.3 (4)				2.0	1.7 (2)	2.0 (1)	2.0 (4)	2.0 (1)	
Average	1.3 (4)				(3)	1.7 (3)	2.0 (1)	2.0 (4)	2.0 (1)	
					(/					
Level of impo	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than :	10 cases	
reported										
					1.0					
Beef	1.0(2)					1.7 (3)	2.0(1)	2.0(1)		
	ì í				(1)	ì í	\ \ \ \	` ′		
Dairy								2.0(3)		
					2.5					
Sheep	1.5 (2)									
	` ` `				(2)					
Goat									2.0 (1)	
Mpumalang	а									
	Longtom Dier	ekliniek								
Beef: 1, Shee										
	Pets Vet Hosp	ital								
Sheep: 2										
	Cape Cross Vol	ksrust Die	rehospita	al						
Beef: 1	•		•							
Free State										
Hoopstad, F	loopstad Diere	ekliniek								
Sheep: 3	<u> </u>									
	nekal Dierekli	niek								
Beef: 1										
Wesselsbro	Wesselsbron, Wesselsbron Dierekliniek									
Sheep: 2										
Kwazulu-Na	atal									
Dundee, En	Dundee, Endumeni Herd health									
Beef: 2	·									
Estcourt, Es	tcourt Vet Clir	nic								
-,										

Beef: 1									
Pietermarit	zburg, Veterin	ary House	Hospital						
Beef: 2									
Eastern Cap	e								
Alexandria,	Riverview Tra	ding Vet	Consulting	Service	es				
Beef: 2									
Western Ca	pe								
Malmesbury	y, Invitrotech								
Dairy: 2									
Two cases									
	y, Malmesbury	Dierehos	pitaal						
Beef: 2, Dairy									
Stellenbosc	h, Stellenbosc	h Animal	Hospital						
Dairy: 1									
Northern Ca									
Kuruman, K	uruman Diere	kliniek							
Goat: 2									
Blue udd	er								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State		Eastern Cape	Western Cape	Northern Cape
Average	1.3 (3)				2.1 (7)		2.3 (3)	1.5 (6)	
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than :	10 cases
Beef					2.0 (1)				
Sheep	1.3 (3)				2.2 (6)		2.3 (3)	1.5 (6)	
Mpumalang	а							<u> </u>	
	four Diereklin	iek							
Sheep: 1									
Grootvlei, G	rootvlei Diere	kliniek							
Sheep: 1									
Lydenburg,	Longtom Dier	ekliniek							
Sheep: 2									
Free State									
Bultfontein,	Greylingsrust	Dierespr	eekkamer						
Sheep: 2									
	loopstad Diere	ekliniek							
Sheep: 2									
	Kroonstad Die	rehospita	al						
Sheep: 2									
	Ladybrand Die	erekliniek							
Sheep: 2									
	Rowelsfontein	veearts	Spreekkan	ner					
Sheep: 3									
	gepoort Dierel	kliniek Ve	nnootskap						
Sheep: 2									
Vrede, Saul	shoek Dierepr	aktyk							

Beef: 2 Eastern Cape **Graaff-Reinet, Camdeboo Veterinary Clinic Graaff-Reinet, Graaff Reinet Veterinary Clinic** Sheep: 2 Steynsburg, Steynsburg Dierehospitaal Sheep: 3 **Western Cape Beaufort West, Beaufort West State Vet** Sheep: 1 Caledon, Caledon Dierekliniek Sheep: 1 **Ceres, Ceres Veterinary Hospital** Sheep: 2 Two flocks, 5 cases Heidelberg (WC), Heidelberg Dierekliniek Sheep: 2 Malmesbury, Malmesbury Dierehospitaal Sheep: 2 Riversdale, Riversdal Dierekliniek Sheep: 1 **Diarrhoea** Kwazulu-Eastern Western Northern North Free **PROVINCE Mpumalanga Gauteng Limpopo** State Natal West Cape Cape Cape 2.8 **Average** 2.3 (14) 2.3(3)2.3 (14) 1.7 (3) 2.2 (13) 2.0(2)(19)Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported 2.4 (9) 3.0(1) 2.8(4)2.7 (6) **Beef** 1.0(1)1.5 (2) (10)2.0 **Dairy** 2.0(1)3.0 (1) 2.3(7)(1) 2.9 Sheep 2.0(5)3.0(1)2.3 (4) 2.5 (4) 2.0(1)Goat 1.0(1) 1.7 (3) 1.0(1)2.0(1)**Mpumalanga Balfour, Balfour Dierekliniek** Beef: 1

Ermelo, Môregloed Veterinêre Spreekkamer

Beef: 3, Sheep: 1

Grootvlei, Grootvlei Dierekliniek

Beef: 2, Sheep: 1

Hendrina, Mooiplaas Veterinêre Dienste

Beef: 3

Lydenburg, Longtom Dierekliniek

Beef: 3, Sheep: 3

Lydenburg, Lydenburg Dierespreekkamer

Beef: 2, Sheep: 2 Middelburg, Middelburg Dierehospitaal Beef: 2 **Standerton, Econovet** Beef: 3, Sheep: 3 **Volksrust, Cape Cross Volksrust Dierehospitaal** Beef: 3 Gauteng Hammanskraal, Themba Animal Clinic Sheep: 3, Goat: 1 **Muldersdrift, Muldersdrift Animal Hospital** Beef: 3 Calves **North West** Christiana, Christiana Dierehospitaal Beef: 3, Sheep: 3 Klerksdorp, Klerksdorp Dierehospitaal Beef: 2, Sheep: 2 Leeudoringstad, Leeudoringstad Dierekliniek Beef: 3, Sheep: 3 Lichtenburg, Dr CM Kruger-Rall Beef: 3 Calves **Free State Bultfontein, Greylingsrust Dierespreekkamer** Beef: 3, Sheep: 3 Clocolan, Clocolan Dierekliniek Beef: 3, Dairy: 2, Sheep: 3 Harrismith, Harrismith Dierehospitaal Beef: 2 **Hoopstad, Hoopstad Dierekliniek** Beef: 3, Sheep: 3 **Kroonstad, Kroonstad Dierehospitaal** Beef: 3, Sheep: 3 Ladybrand, Ladybrand Dierekliniek Beef: 3, Sheep: 3 Parys, Parys Dierehospitaal Beef: 3, Sheep: 3 Reitz, Riemland Dierehospitaal Beef: 3 Viljoenskroon, Viljoenskroon Dierekliniek Beef: 3, Sheep: 3 Villiers, Wilgepoort Dierekliniek Vennootskap Beef: 2, Sheep: 2 Kwazulu-Natal Bergville, Bergville Veterinary Clinic Beef: 3 Bergville, Tugela Vet Clinic Beef: 2, Sheep: 2, Goat: 2 **Dundee, Endumeni Herd health** Beef: 3, Dairy: 2

Estcourt, Estcourt Vet Clinic

Beef: 2, Sheep: 2, Goat: 1

Mooi River, Mooirivier Vet Clinic

Sheep: 2, Goat: 2

	Underberg Ve	terinary S	Surgery						
Beef: 3, Shee									
	yheid Privaat \	/eeartse							
Beef: 3									
	evere) reported l	by farmers							
astern Cap									
	p, Humansdor	p Veterin	ary Clinic						
Dairy: 3									
	Uitenhage Die	rehospita	al						
Beef: 1, Goat									
Nestern Ca	•								
	iledon Dierekli	iniek							
Beef: 1, Dairy									
	verberg Veterii	nary Hosp	ital						
Dairy: 2, She									
	gerberg Diereh	iospitaal l	Darling						
Dairy: 2	5 60 17 1								
	y, Dr Otto Krie	K							
Dairy: 2	. Tmylboots of								
	y, Invitrotech								
Dairy: 2									
Three cases	. Malmaah	Diauahaa	!						
	y, Malmesbury	Dierenos	рітааі						
	y: 3, Sheep: 3 .rg, Moorreesb	Diana	ldiniale						
Sheep: 3	irg, Moorreesb	urg Diere	KIIIIEK						
•	Riversdal Dier	okliniak							
Sheep: 2	Kiveisuai Diei	CKIIIIICK							
	n, Swellendam	Dierehos	nitaal						
Dairy: 3	n, owenendam	Dici ciios	picaai						
Northern Ca	ape								
	Kuruman Diere	kliniek							
Sheep: 2, Go									
Epididym									,
			i						
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
PROVINCE Average	Mpumalanga	Gauteng	Limpopo						
Average	Mpumalanga ortance scale: 1			West	1.0 (1)	Natal	Cape	1.0 (1)	Cape
Average Level of impo				West	1.0 (1)	Natal	Cape	1.0 (1)	Cape
Average Level of impore reported Sheep Free State	ortance scale: 1	= one case	e, 2 = more	West	1.0 (1) e case b	Natal	Cape	Cape 1.0 (1) more than 2	Cape
Average Level of impore reported Sheep Free State Kroonstad,		= one case	e, 2 = more	West	1.0 (1) e case b	Natal	Cape	Cape 1.0 (1) more than 2	Cape
Average Level of impore reported Sheep Free State (roonstad, Sheep: 1	ortance scale: 1 Kroonstad Die	= one case	e, 2 = more	West	1.0 (1) e case b	Natal	Cape	Cape 1.0 (1) more than 2	Cape
Average Level of impore reported Sheep Free State Kroonstad, Sheep: 1 Western Ca	ortance scale: 1 Kroonstad Die	= one case	e, 2 = more	West	1.0 (1) e case b	Natal	Cape	Cape 1.0 (1) more than 2	Cape
Average Level of impore reported Sheep Free State Kroonstad, Sheep: 1 Western Ca	ortance scale: 1 Kroonstad Die	= one case	e, 2 = more	West	1.0 (1) e case b	Natal	Cape	Cape 1.0 (1) more than 2	Cape

Eye Cancer									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average				3.0 (1)	2.0 (6)	2.0 (1)	2.0 (1)	1.5 (4)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 c									

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)	1.8 (4)			1.0 (1)	
Dairy		2.5 (2)	2.0 (1)	2.0 (1)	1.7 (3)	

North West

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 3
Free State

Clocolan, Clocolan Dierekliniek

Beef: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 1

Kroonstad, Kroonstad Dierehospitaal

Beef: 2, Dairy: 3

Senekal, Senekal Dierekliniek

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

Estcourt, Estcourt Vet Clinic

Dairy: 2

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Dairy: 2

Western Cape

Malmesbury, Invitrotech

Dairy: 2

Slaughtered two casse

Malmesbury, Malmesbury Dierehospitaal

Beef: 1, Dairy: 2

Riversdale, Riversdal Dierekliniek

Dairy: 1

Eye infections									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.2 (10)			3.0 (5)	2.6 (9)	2.4 (12)	2.3 (3)	2.3 (6)	2.3 (3)

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

Beef	2.1 (7)		3.0 (4)	2.5	2.6 (9)	3.0 (1)	2.3 (3)	2.0 (1)
	2.1 (1)		3.0 (+)	(6)		3.0 (1)	` ′	2.0 (1)
Dairy					2.5 (2)		3.0 (1)	
Sheep	2.3 (3)		3.0 (1)	2.7 (3)	1.0 (1)	2.0 (1)	2.0 (2)	3.0 (1)
Goat						2.0 (1)		2.0 (1)
Mpumalan	ga							
Balfour, Ba	alfour Diereklin	iek						
Beef: 2, She								
	ôregloed Veteri	nêre Spreekkamer						
Beef: 2								
Grootvlei,	Grootvlei Diere	kliniek						
Beef: 2								
	Mooiplaas Vete	rinêre Dienste						
Beef: 3								
	, Longtom Dier	ekliniek						
Beef: 3, She								
	g , Middelburg l	Dierehospitaal						
Beef: 1								
	Nelspruit Anim	al Hospital						
Beef: 2								
	Cape Cross Vol	ksrust Dierehospit	aal					
Sheep: 3								
Pink eye								
North Wes	-							
	, Christiana Die	renospitaai						
Beef: 3	. Vlaukadaus Di	i awa haawitaa l						
	, Klerksdorp Di	ierenospitaai						
Beef: 3, She	lla Dierekliniek							
Beef: 3	iia Dielekiiiiiek							
	rp, Ventersdorp	Nierekliniek						
Beef: 3	ip, ventersdorp	Dicientifica						
Free State								
	ein, Dr Stephar	n Wessels						
Beef: 3	om, Di Otopiiai							
	Clocolan Dierek	liniek						
Beef: 2								
Ficksburg,	Oosvrystaat Di	iere Produkte						
Beef: 2, She								
	, Ladybrand Die	erekliniek						
Beef: 3								
Philippolis	, Rowelsfonteir	n veearts Spreekka	mer					
Sheep: 3								
Reitz, Rien	nland Dierehos	pitaal						
Beef: 2								
		oon Dierekliniek						
Beef: 3, She	_ ·							
Kwazulu-N								
	Bergville Veteri	nary Clinic						
Beef: 3								
Dunden F.		I II I -						

Dundee, Endumeni Herd health Beef: 2, Dairy: 2

Estcourt, Es	Estcourt, Estcourt Vet Clinic										
Beef: 3, Dairy	y: 3										
Mooi River,	Mooirivier Vet	Clinic									
Beef: 1											
Mtubatuba,	Mtubatuba Ar	nimal Clin	ic								
Beef: 2											
Newcastle,	Ncanduvet Ne	wcastle									
Beef: 3, Shee											
	zburg, Veterin	ary House	Hospital								
Beef: 3		-	-								
Underberg,	Underberg Ve	terinary S	Surgery								
Beef: 3		-									
Vryheid, Vr	yheid Privaat \	/eeartse									
Beef: 3											
Eastern Cap	е										
Alexandria,	Riverview Tra	ding Vet	Consulting	Service	es						
Beef: 3											
Graaff-Rein	et, Graaff Reir	net Veteri	nary Clinic	;							
Sheep: 2, Go	at: 2										
Western Ca	ре										
Caledon, Ca	ledon Dierekli	niek									
Beef: 1											
Malmesbury	y, Groenkloof I	Diereklini	ek								
Beef: 3											
Calves											
Malmesbury	y, Malmesbury	Dierehos	pitaal								
Beef: 3, Dairy	y: 3, Sheep: 2										
Oudtshoorn	, Ostrimed										
Sheep: 2											
Northern Ca	аре										
Calvinia, Ca	Ivinia Veearts	kliniek									
Sheep: 3											
Kuruman, K	Suruman Diere	kliniek									
Beef: 2											
Postmasbui	rg, Postmasbu	rg Dierek	liniek								
Goat: 2											
2.1.4.20											
Joint Ill									^		
PROVINCE	Mpumalanga	Gautena	Limpono	North	Free	Kwazulu-	Eastern	Western	Northern		
INOVINCE	ripumalanga	Guuteng	Limpopo	West	State	Natal	Cape	Cape	Cape		
_	1.0.(0)			2.0.(2)	1.3	1.7.(0)	1.0.(2)	1.0.(2)			
Average	1.3 (3)			3.0(2)	(3)	1.7 (3)	1.0 (2)	1.0(2)			
					(3)						
Lovel of imp	ortance scale: 1	- one cas	2 – moro	than on	o caco b	ut loce than t	on and 3 –	more than	In cacos		
reported	ortance scale. 1	- One case	e, z – more	: ulali oli	e case b	ut less triair t	en anu 5 –	more than .	to cases		
reported						_	-				
D 6	1.0.(2)			2.0 (1)	1.0	2.0 (1)					
Beef	1.0 (2)			3.0 (1)	(1)	2.0 (1)					
					· ` '						
					1.0	4.0 (4)	1.0 (1)	1.0 (1)			
Dairv						1.0(1)	1.()(1)	1.0 (1)			
Dairy					(1)	1.0 (1)	1.0 (1)	1.0 (1)			
•	2.0.41			2.0.4	(1)		1.0 (1)	` '			
Dairy Sheep	2.0 (1)			3.0 (1)	(1)	2.0 (1)	1.0 (1)	1.0 (1)			

Goat 1.0 (1)

Mpumalanga

Lydenburg, Longtom Dierekliniek

Beef: 1, Sheep: 2

Middelburg, Middelburg Dierehospitaal

Beef: 1 North West

Christiana, Christiana Dierehospitaal

Beef: 3, Sheep: 3
Free State

Kroonstad, Kroonstad Dierehospitaal

Sheep: 2

Memel, Memel Veterinary Clinic

Beef: 1

Senekal, Senekal Dierekliniek

Dairy: 1

Kwazulu-Natal

Bergville, Tugela Vet Clinic

Beef: 2, Sheep: 2

Underberg, Underberg Veterinary Surgery

Dairy: 1

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Dairy: 1 Polyarthritis

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 1

Western Cape

Beaufort West, Beaufort Dierekliniek

Sheep: 1

Malmesbury, Malmesbury Dierehospitaal

Dairy: 1

Beef: 1

Lameness/Foot Problems										
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average	1.8 (8)	1.8 (5)		2.5 (2)	2.5 (4)	2.0 (3)	1.5 (2)	2.1 (7)		
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	LO cases	
Beef	1.6 (5)	2.0 (2)		3.0 (1)	2.3 (3)	1.0 (1)		1.5 (2)		
Dairy						3.0 (1)	1.5 (2)	2.3 (3)		
Sheep	2.0 (2)	1.5 (2)		2.0 (1)	3.0 (1)			2.5 (2)		
Goat	2.0 (1)	2.0 (1)				2.0 (1)				
Mpumalanga Balfour, Balfour Dierekliniek										

Bethal, Bethal Dierekliniek	
Beef: 1	
Grootvlei, Grootvlei Dierekliniek	
Beef: 2	
Lydenburg, Longtom Dierekliniek	
Beef: 2, Sheep: 2, Goat: 2	
Middelburg , Middelburg Dierehospitaal	
Beef: 2, Sheep: 2	
Gauteng	
Hammanskraal, Themba Animal Clinic	
Beef: 2, Sheep: 2, Goat: 2	
Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic	
Beef: 2, Sheep: 1	
North West	
Christiana, Christiana Dierehospitaal	
Beef: 3	
Leeudoringstad, Leeudoringstad Dierekliniek	
Sheep: 2	
Free State	
Bultfontein, Greylingsrust Dierespreekkamer	
Beef: 2	
Kroonstad, Kroonstad Dierehospitaal	
Beef: 2	
Viljoenskroon, Viljoenskroon Dierekliniek	
Beef: 3, Sheep: 3	
Kwazulu-Natal	
Estcourt, Estcourt Vet Clinic	
Goat: 2	
Mooi River, Mooirivier Vet Clinic	
Beef: 1	
Underberg, Underberg Veterinary Surgery	
Dairy: 3	
Eastern Cape	
Alexandria, Alexandria Platteland Spreekkamer	
Dairy: 2	
Humansdorp, Humansdorp Veterinary Clinic	
Dairy: 1	
Western Cape	
Darling, Tygerberg Dierehospitaal Darling	
Dairy: 2	
Malmesbury, Invitrotech	
Dairy: 2	
Seven cases, slaughtered 7	
Malmesbury, Malmesbury Dierehospitaal	
Beef: 2, Dairy: 3, Sheep: 2	
Moorreesburg, Moorreesburg Dierekliniek	
Sheep: 3	
Oudtshoorn, Oudtshoorn Dierekliniek	
Beef: 1	
Lung infection	^

North Free Kwazulu- Eastern Western Northern Cape

Cape

Cape

PROVINCE Mpumalanga Gauteng Limpopo West State Natal

							,			
Average	1.9 (8)	2.5 (2)		3.0 (2)	2.2 (13)	2.0 (10)	1.5 (4)	2.2 (12)	2.3 (3)	
Level of imported	ortance scale: 1	= one case	e, 2 = more	than one	case bu	ut less than to	en and 3 =	more than 1	0 cases	
Beef	2.2 (5)	3.0 (1)		3.0 (1)	2.0 (7)	2.2 (6)		2.0 (1)	2.0 (2)	
Dairy	1.0 (1)				2.0 (1)		1.0 (1)	2.3 (6)		
Sheep	1.5 (2)	2.0 (1)		3.0 (1)	2.6 (5)	2.0 (1)	1.5 (2)	2.0 (5)	3.0 (1)	
Goat						1.7 (3)	2.0(1)			
Mnumalang	a					(-)				
Mpumalanga Balfour, Balfour Dierekliniek										
Beef: 2										
	hal Diereklinie	k								
Sheep: 1										
Ermelo, Mô	regloed Veteri	nêre Spre	ekkamer							
Beef: 2										
	irootvlei Diere	kliniek								
Beef: 2										
	Longtom Dier	ekliniek								
Beef: 2, Shee										
	Lydenburg Di	erespreek	kamer							
Dairy: 1	Sama Grana Val	Iramiat Dia								
Beef: 3	Cape Cross Vol	KSTUST DIE	renospita	di						
Gauteng										
	rg, Magaliesbı	ırg; Dr Ry	an Jeffrey							
	s in calves in fee	dlot								
	nima Veterinar		ing Rooms	3						
Sheep: 2										
North West										
	Christiana Die	rehospita	al							
Beef: 3, Shee	ep: 3									
Free State	lacalan Diarak	limiak								
	l ocolan Dierek y: 2, Sheep: 2	шпек								
	Hoopstad Dier	ekliniek								
Beef: 2, Shee										
	Ladybrand Die	erekliniek								
Beef: 3, Shee										
Memel, Mer	nel Veterinary	Clinic								
Beef: 1										
Viljoenskroon, Viljoenskroon Dierekliniek										
Beef: 3, Shee	•	•								
	le Dierehospita	aaı								
Beef: 2 Three cases										
Sheep: 2										
Two cases										
. WO CUSES										

Wesselsbron, Wesselsbron Dierekliniek

Beef: 1

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Bergville, Tugela Vet Clinic

Beef: 2, Sheep: 2, Goat: 2

Camperdown, Camperdown Vet Clinic

Goat: 1

Dundee, Endumeni Herd health

Beef: 2

Mooi River, Mooirivier Vet Clinic

Beef: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2, Goat: 2

Pietermaritzburg, Veterinary House Hospital

Beef: 3

Eastern Cape

Graaff-Reinet, Camdeboo Veterinary Clinic

Sheep: 2, Goat: 2

Humansdorp, Humansdorp Veterinary Clinic

Dairy: 1

Uitenhage, Uitenhage Dierehospitaal

Sheep: 1

Western Cape

Caledon, Caledon Dierekliniek

Dairy: 1

Caledon, Overberg Veterinary Hospital

Sheep: 2

Darling, Tygerberg Dierehospitaal Darling

Dairy: 3

George, George Animal Hospital

Sheep: 2

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 3, Sheep: 2

Malmesbury, Dr Otto Kriek

Dairy: 2

Malmesbury, Invitrotech

Dairy: 2

Three cases; slaughtered one

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3, Sheep: 2

Riversdale, Riversdal Dierekliniek

Sheep: 2

Northern Cape

Calvinia, Calvinia Veeartskliniek

Sheep: 3

Kathu, Kathu Dierekliniek

Beef: 3

Kuruman, Kuruman Dierekliniek

Beef: 1

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape			
Average	1.0 (5)	3.0 (1)		2.0 (1)	3.0 (2)	2.0 (6)	1.7 (3)	2.4 (10)				
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)	3.0 (1)		2.0 (1)	3.0 (1)	2.0 (3)						
Dairy	1.0 (3)				3.0 (1)	2.5 (2)	1.5 (2)	2.4 (9)				
Sheep							2.0 (1)	2.0 (1)				
Goat						1.0(1)						
Mpumalang	a											
	four Diereklin	iek										
Dairy: 1												
Lydenburg,	Longtom Dier	ekliniek										
Dairy: 1												
	Lydenburg Die	erespreek	kamer									
Dairy: 1												
	, Middelburg I	Dierehosp	itaal									
Beef: 1	0 1/- 1/-			- •								
Beef: 1	ape Cross Vol	ksrust Die	renospita	aı								
Gauteng												
_	derstepoort A	cademic I	tosnital a	nd Drodi	uction A	nimal Clinia	^					
Beef: 3	ider stepoort A	cadeiiic	iospitai ai	iiu Fi Out	action F	anniai Ciini	<u> </u>					
North West												
	Christiana Die	rehospita	al									
Beef: 2												
Free State												
Bloemfonte	in, Dr Stephan	Wessels										
Beef: 3												
Senekal, Se	nekal Dierekli	niek										
Dairy: 3												
Kwazulu-Na												
	ıgela Vet Clini	С										
Beef: 1	tcourt Vet Clir	nic.										
Dairy: 2, Goa												
	Mooirivier Vet	Clinic										
Beef: 3												
	ngola Animal	Clinic										
Beef: 2												
Orphan calve												
	Underberg Ve	terinary S	urgery									
Dairy: 3												
Eastern Cap												
	Alexandria Pla	atteland S	preekkam	er								
Dairy: 2	oh Comdeles	Votori	na Climi -									
огаатт-кеіп	et, Camdeboo	veterinai	y Clinic									

Sheep: 2											
	Uitenhage Die	rehospita	al								
Dairy: 1											
Western Ca	pe										
	ledon Dierekli	niek									
Dairy: 2	iledon Bierekii	IIIQIX									
	erberg Diereh	osnitaal I	Darling								
Dairy: 2	, crocing bicici	ospicaai i	-ui iiiig								
George, Dr Mark Chimes											
Dairy: 3											
Dairy: 3 In die Belfast area, Mpumalanga.											
	orge Animal H										
Dairy: 3	orge Ammar m	oopita.									
	(WC), Heidelb	era Diere	kliniek								
Dairy: 2	(We), Heldelb	cry Dicici									
	y, Dr Otto Krie	k									
Dairy: 3	y, Di Otto Kile										
	y, Invitrotech										
Dairy: 1	,,										
	nimal due to poo	r udder co	nformation								
	y, Malmesbury										
Dairy: 3	y, i lallicobal y	Dici ciios	predui								
	n, Swellendam	Dierehos	nitaal								
Dairy: 3	i, Swenendam	Dicicios	picaui								
	Durban Straat	Diereklin	iek Worce	ster							
Sheep: 2	Darban Scraac	DICI CILIII	iick Worce	J.C.							
Sheep: 2											
Navel III									^		
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Average	1.5 (2)			1.0 (1)	1.3 (3)	1.0 (2)	1.0 (1)	1.5 (2)			
Level of impore	ortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than t	en and 3 =	more than	10 cases		
Beef	1.5 (2)			1.0 (1)	1.0 (1)	1.0 (1)					
Dairy								1.5 (2)			
Sheep					1.5 (2)	1.0 (1)	1.0 (1)				
Mpumalang	a										
	four Diereklin	iek									
Beef: 1	•										
Lydenburg, Beef: 2	Lydenburg, Longtom Dierekliniek										
Beef: 2 North West											
Christiana, Christiana Dierehospitaal											
Beef: 1	Christiana Die	. C.I.O.D. F. CL.	aı								
Beef: 1 Free State	Christiana Die	СПОБРИ	aı .								
Free State	Kroonstad Die										

Ladybrand, Sheep: 1									
•	n, Wesselsbroi	n Dierekli	niek						
Beef: 1	ii, wesselsbroi	DICICKII	IIICK						
Kwazulu-Na	tal								
Dundee, End	dumeni Herd h	ealth							
Beef: 1									
Newcastle,	Ncanduvet Ne	wcastle							
Sheep: 1									
Eastern Cap									
	et, Camdeboo	Veterinar	y Clinic						
Sheep: 1									
Western Cap			.						
	erberg Diereh	ospitaal [Darling						
Dairy: 2	. Malmaahuus	Diorobos	mitaal						
Maimesbury Dairy: 1	, Malmesbury	Dierenos	pitaai						
Juli y. 1									
Red gut (Sheep) tors	sion of t	he gut						
				North	Free	Kwazulu-	Eastern	Western	Northern
PROVINCE	Mpumalanga	Gauteng	Limpopo	West	State	Natal	Cape	Cape	Cape
							•	· ·	•
Average	2.5 (2)								3.0 (2)
Average Level of imporeported	2.5 (2) ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	` '
Level of impo	` '	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	1
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
Level of impore reported Dairy Sheep Goat	2.0 (1) 3.0 (1)	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Level of impore reported Dairy Sheep Goat Mpumalang	2.0 (1) 3.0 (1)		e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Level of impore reported Dairy Sheep Goat Mpumalang	2.0 (1) 3.0 (1)		e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Level of impore reported Dairy Sheep Goat Mpumalang Lydenburg, Dairy: 2	2.0 (1) 3.0 (1)	ekliniek			e case b	ut less than t	en and 3 =	more than	10 cases
Level of impore reported Dairy Sheep Goat Mpumalang Lydenburg, Dairy: 2	2.0 (1) 3.0 (1) a Longtom Diere	ekliniek			e case b	ut less than to	en and 3 =	more than	10 cases
Level of impore reported Dairy Sheep Goat Mpumalanga Lydenburg, Dairy: 2 Volksrust, C Goat: 3 Northern Ca	2.0 (1) 3.0 (1) a Longtom Diero ape Cross Voll	ekliniek ksrust Die			e case b	ut less than to	en and 3 =	more than	10 cases
Level of impore reported Dairy Sheep Goat Mpumalanga Lydenburg, Dairy: 2 Volksrust, C Goat: 3 Northern Ca Calvinia, Ca	2.0 (1) 3.0 (1) a Longtom Diero	ekliniek ksrust Die			e case b	ut less than to	en and 3 =	more than	10 cases
Level of impore reported Dairy Sheep Goat Mpumalanga Lydenburg, Dairy: 2 Volksrust, C Goat: 3 Northern Ca Calvinia, Ca Sheep: 3	2.0 (1) 3.0 (1) a Longtom Diero ape Cross Voll ape	ekliniek ksrust Die kliniek			e case b	ut less than to	en and 3 =	more than	10 cases
Level of impore reported Dairy Sheep Goat Mpumalanga Lydenburg, Dairy: 2 Volksrust, C Goat: 3 Northern Ca Calvinia, Caloheep: 3 Kimberley, I	2.0 (1) 3.0 (1) a Longtom Diero ape Cross Voll	ekliniek ksrust Die kliniek			e case b	ut less than to	en and 3 =	more than	10 cases
Level of impore reported Dairy Sheep Goat Mpumalanga Lydenburg, Dairy: 2 Volksrust, C Goat: 3 Northern Ca Calvinia, Ca Sheep: 3	2.0 (1) 3.0 (1) a Longtom Diero ape Cross Voll ape	ekliniek ksrust Die kliniek			e case b	ut less than to	en and 3 =	more than	10 cases
Level of impore reported Dairy Sheep Goat Mpumalanga Lydenburg, Dairy: 2 Volksrust, C Goat: 3 Northern Ca Calvinia, Caloheep: 3 Kimberley, I	2.0 (1) 3.0 (1) a Longtom Diero ape Cross Voll ape	ekliniek ksrust Die kliniek			e case b	ut less than to	en and 3 =	more than	10 cases
Level of impore reported Dairy Sheep Goat Mpumalanga Lydenburg, Dairy: 2 Volksrust, Calvinia, Calvini	2.0 (1) 3.0 (1) a Longtom Diero ape Cross Voll ape	ekliniek ksrust Die kliniek rekliniek	erehospita		e case b	ut less than to	en and 3 = Eastern Cape	western Cape	
Level of impore reported Dairy Sheep Goat Mpumalanga Lydenburg, Dairy: 2 Volksrust, Calvinia, Calvini	2.0 (1) 3.0 (1) a Longtom Diero ape Cross Voll ape lvinia Veeartsl Kimberley Diero	ekliniek ksrust Die kliniek rekliniek	erehospita	al	Free	Kwazulu-	Eastern	Western	3.0 (2) Northern
Level of impore reported Dairy Sheep Goat Mpumalange Lydenburg, Dairy: 2 Volksrust, Calonia, Calonee: 3 Kimberley, Inches: 3 Trauma PROVINCE	2.0 (1) 3.0 (1) a Longtom Diere ape Cross Voll ape lvinia Veeartsl Kimberley Diere	ekliniek ksrust Die kliniek rekliniek Gauteng	erehospita	al North West	Free	Kwazulu- Natal	Eastern Cape	Western Cape 2.0 (2)	3.0 (2) Northern Cape 2.0 (1)
Level of impore reported Dairy Sheep Goat Mpumalange Lydenburg, Dairy: 2 Volksrust, Calvinia, Calcalvinia, Calcalvini	2.0 (1) 3.0 (1) a Longtom Diere ape Cross Voll pe Ivinia Veearts Kimberley Diere Mpumalanga 2.0 (2)	ekliniek ksrust Die kliniek rekliniek Gauteng	erehospita	al North West	Free	Kwazulu- Natal	Eastern Cape	Western Cape 2.0 (2)	3.0 (2) Northern Cape 2.0 (1)

Sheep	2.0 (1)								
Goat						1.0(1)			
Mpumalang	a								
Lydenburg,	Longtom Dier	ekliniek							
Beef: 2, Shee									
Kwazulu-Na									
-	vn, Camperdov	vn Vet Cli	nic						
Beef: 2, Goat									
Western Ca	•								
Maimesbur Dairy: 3	y, Invitrotech								
•	ement, 12 cases;	culled 15	animale						
	:h, Stellenbosc								
Beef: 1	ii, Stellelibose	ii Aililliai	iiospitai						
Northern Ca	ape								
	Kimberley Die	rekliniek							
Beef: 2	-								
Bruised carca	asses								
Downer									^
Downer									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.5 (4)	1.7 (3)			2.4 (5)	2.0 (5)	3.0 (1)	2.5 (2)	2.3 (3)
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than :	10 cases
Beef	1.5 (4)	1.7 (3)			2.0 (3)	2.0 (5)	3.0 (1)		2.5 (2)
Dairy								2.5 (2)	
Sheep					3.0 (2)			, , , , , , , , , , , , , , , , , , ,	2.0 (1)
Mpumalang	3				(2)				
	na hal Diereklinie	l _r							
Beef: 1	iiai Dierekiiiie	N .							
	Longtom Dier	ekliniek							
Beef: 2									
	lelspruit Anima	al Hospita	ıl						
Beef: 2		•							
Volksrust, C	Cape Cross Vol	ksrust Die	erehospita	al					
Beef: 1									
Gauteng									
	raal, Themba A	Animal Cli	nic						
Beef: 1									
	elegen Dierek	liniek							
Beef: 2									
Unknown dia		, .							
	nderstepoort A	cademic l	Hospital a	nd Prod	uction A	Animal Clinic	3		
Beef: 2		an lassible	DEM						
rive cases (p	rotein, energy m	iainutrition	– PEM).						

Free State										
	, Greylingsrust	h Dieresnr	eekkamer							
Beef: 1, Shee		Diciespi	CCRRAIIICI							
	Dosvrystaat Di	ere Produ	ıkte							
Beef: 3	Josvi ystaat Di	CIC I IOUC	ikee							
	irmers, poor con	dition								
Sheep: 3	irrilers, poor con	ididon								
Poor conditio	ın.									
		robocnita								
Kroonstad, Kroonstad Dierehospitaal Beef: 2										
Beef: 2 Kwazulu-Natal										
Bergville, Bergville Veterinary Clinic Beef: 2										
	stcourt Vet Clir	nic								
Beef: 1	stcourt vet cili	IIC .								
	Mtubatuba Ar	nimal Clin	ic							
Beef: 2	Mitubatuba Ai	illilai Cilli	IC .							
Drought										
	zburg, Veterin	ary House	Hospital							
Beef: 2	zburg, veteriii	aly House	z nospitai							
	ongola Animal	Clinic								
Beef: 3	nigula Allilliai	Cillic								
Poor nutrition	`									
Eastern Cap										
	delaide Veterii	nary Clinia	^							
Beef: 3	delaide veterii	ilai y Cillii	-							
	g in communal a	reac due t	n drought							
Western Ca		ii cas uuc u	Julougiit							
	y, Invitrotech									
Dairy: 3	y, Illvitiotecii									
Sixteen cases	st culled 20									
	n, Swellendam	Diorobos	nitaal							
Dairy: 2	i, Swellellualli	Dicicios	pitaai							
Northern Ca	ano.									
	ape Kuruman Diere	kliniak								
Beef: 2, Shee		Kiiniek								
	ւր։ Հ r g, Postmasbu	ra Diorok	liniak							
Beef: 3	rg, Postmasbu	rg Dierek	Шек							
beer: 3										
Other									^	
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average	2.0 (1)	1.0 (1)						3.0 (1)	2.0 (1)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported										
Beef		1.0 (1)							2.0 (1)	
Dairy								3.0 (1)		
Sheep										
	Apumalanga Bethal, Bethal Dierekliniek									

Sheep: 2 Poor nutritional status due to drought Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic Beef: 1 Abdominal hernia **Western Cape** Malmesbury, Invitrotech Dairy: 3 Poor condition, 12 cases; poor production slaughtered 42 animals **Northern Cape** Kimberley, Kimberley Dierekliniek Beef: 2 Icteric carcasses **Vestubular syndrome (Middle ear infection)** Kwazulu-North Free Eastern Western Northern **PROVINCE Mpumalanga Gauteng Limpopo** West State Natal Cape Cape Cape 1.0(1)**Average** Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported **Beef** 1.0(1)**Mpumalanga** Lydenburg, Longtom Dierekliniek Beef: 1 **Metabolic Diseases** Acidosis North Free Kwazulu-Eastern Western Northern PROVINCE Mpumalanga Gauteng Limpopo West State Natal Cape Cape Cape 2.0 **Average** 2.3(4)2.0 (1) 2.3 (12) (8) Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported 2.0 **Beef** 3.0(1)2.0(2)(1)2.5 (2) 2.7 (3) **Dairy** 2.0 1.0(1)Sheep 2.0(1)2.1(7)(7)**Free State** Clocolan, Clocolan Dierekliniek Sheep: 2

Hoopstad, Hoopstad Dierekliniek

Ladybrand, Ladybrand Dierekliniek

Sheep: 3

Sheep: 2									
•	nel Veterinary	Clinic							
Sheep: 2									
	land Dierehosp	oitaal							
Sheep: 1									
	nekal Diereklii	niek							
Sheep: 2	nekai bierekin								
	e Dierehospita	اد							
Beef: 2	e Dierenospita	ıaı							
Three cases									
	n, Wesselsbroi	n Diarakli	niok						
Sheep: 2	ii, wesselsbiol	i Dielekii	IIICK						
Kwazulu-Na	n+a1								
	dumeni Herd h								
	aumeni nera n	earui							
Dairy: 2	.tt \/at Cli								
	stcourt Vet Clin	IIC							
Dairy: 3, She	•	sm. Herre	. Ua!!						
	zburg, Veterina	ary House	Hospitai						
Beef: 3									
Eastern Cap		ulmar: C=	naultina D	0.000					
	Witelsbos Vete	i mary Co	nsulung K	COINS					
Sheep: 2									
Western Ca		\! 1-1!! -	.1-						
	est, Beaufort D	ierekiinie	ek						
Sheep: 1		V 1 C1 - 1							
	est, Beaufort V	vest State	e vet						
Sheep: 2	1	1.100 11	l						
	not adapted to n								
	erberg Veterir	nary Hosp	ital						
Dairy: 3, She	•								
	(WC), Heidelbe	erg Dierel	kliniek						
Sheep: 2									
	y, Malmesbury	Dierehos	pitaal						
	y: 3, Sheep: 2								
	ırg, Moorreesb	urg Diere	kliniek						
Sheep: 3									
	Riversdal Dier	ekliniek							
Sheep: 2									
	n, Swellendam	Dierehos	pitaal						
Dairy: 2									
	, Vredenburg I	Dierehosp	itaal						
Beef: 2									
Gate left ope	n, 8 cattle died								
Displaced	d abomasum	1							^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average						2.0 (3)		1.5 (2)	
Level of impore	Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported								
Dairy						2.0 (2)		1.5 (2)	
Dail y						2.0 (3)		1.5 (2)	

Kwazulu-Na										
Dundee, En	dumeni Herd h	nealth								
Dairy: 2										
	tcourt Vet Clir	nic								
Dairy: 2										
	Underberg Ve	terinary S	urgery							
Dairy: 2										
Three on one										
Western Cape										
Malmesbury, Invitrotech										
Dairy: 1										
	y, Malmesbury	Dierehos	pitaal							
Dairy: 2										
Ketosis									^	
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average	1.5 (2)				1.7 (3)	2.0 (1)	2.0 (2)	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 1	.0 cases	
Dairy						2.0 (1)	1.0 (1)	3.0 (1)		
Sheep	1.5 (2)				1.7 (3)		3.0 (1)	1.5 (2)		
Mpumalang	a									
	rootvlei Diere	kliniek								
Sheep: 1										
Lydenburg,	Longtom Dier	ekliniek								
Sheep: 2										
	ant with twins ar ringers with add			core 4-5/	5, all sa	ved with prop	ylene glyco	l, some had	to be	
Free State		_								
Hoopstad, F	Hoopstad Diere	ekliniek								
Sheep: 1										
Senekal, Se	nekal Dierekli	niek								
Sheep: 2										
Villiers, Wil	gepoort Dierel	kliniek Ve	nnootskap)						
Sheep: 2										
Kwazulu-Na										
	tcourt Vet Clir	nic								
Dairy: 2										
Eastern Cap										
	Alexandria Pla	atteland S	preekkam	er						
Dairy: 1										
	, Steynsburg D	ierehospi	taal							
Sheep: 3										
Western Ca	•	!!-								
	ledon Dierekli	шек								
Sheep: 1	orbora Vote::	aanu Haa-	ital							
Caleuon, OV	erberg Veterii	нагу поѕр	ıldı							

Sheep: 2											
	, Malmesbury	Dierehos	pitaal								
Dairy: 3											
Milk Feve	r								^		
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Average	2.0 (1)	3.0 (1)			1.3 (3)	1.0 (1)		1.8 (5)			
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)	3.0 (1)									
Dairy						1.0(1)		1.8 (5)			
Sheep					1.3 (3)	110 (1)		110 (0)			
Mpumalang	a										
Lydenburg,	Longtom Dier	ekliniek									
Beef: 2											
Gauteng											
Magaliesbui	rg, Magaliesbu	ırg; Dr Ry	an Jeffrey	•							
Beef: 3											
Free State											
Bultfontein,	Greylingsrust	Dierespr	eekkamer								
Sheep: 2											
	ocolan Dierekl	liniek									
Sheep: 1											
	Ladybrand Die	erekliniek									
Sheep: 1											
Kwazulu-Na											
Dundee, End	dumeni Herd h	nealth									
Dairy: 1											
Western Ca											
	erberg Veterii	nary Hosp	ital								
Dairy: 2											
	(WC), Heidelb	erg Dierel	kliniek								
Dairy: 2	. Mal	D:	!!								
	, Malmesbury	Dierehos	pitaai								
Dairy: 3	Divoradal Dia	مادانه: ماد									
Riversdale, Riversdal Dierekliniek											
Dairy: 1 Stellenbesch Stellenbesch Animal Hospital											
Stellenbosch, Stellenbosch Animal Hospital Dainy: 1											
Dairy: 1 Reproductive diseases											
Dystocia (Difficult Births)									^		
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		

Average	2.0 (12)	1.8 (9)	2.0 (2)	2.5 (8)	2.5 (21)	2.0 (14)	1.6 (5)	1.7 (14)	2.0 (4)				
Level of impereported													
Beef	2.1 (9)	2.2 (5)	2.0 (1)	2.6 (5)	2.5 (15)	2.2 (11)	1.5 (2)	1.7 (6)	2.0 (2)				
Dairy						2.0 (1)	2.0 (2)	1.8 (6)					
Sheep	1.7 (3)	1.3 (3)	2.0 (1)	2.3 (3)	2.5 (6)	1.0 (1)	1.0 (1)	1.5 (2)	2.0 (1)				
Goat		1.0(1)				1.0(1)			2.0(1)				
Mpumalang	а												
	four Diereklin	iek											
Beef: 2													
	hal Diereklinie	k											
Beef: 2, Shee	•												
	regloed Veteri	nêre Spre	ekkamer										
Beef: 2													
	irootvlei Diere	kliniek											
Beef: 2, Shee		. 1 12 . 2 . 1											
	Longtom Dier	екипіек											
Beef: 2, Shee	ep: 2 Lydenburg Die	orocnrook	kamar										
Beef: 1	Lydeliburg Di	erespreek	Kaiiiei										
	, Middelburg I	Dierehosn	itaal										
Beef: 3	, i-iludeiburg i	Б ісі спозр	icaai										
	Pets Vet Hosp	ital											
Beef: 2													
Volksrust, C	Cape Cross Vol	ksrust Die	rehospita	al									
Beef: 3													
Gauteng													
Bronkhorst	spruit, Kerkstr	aat Dierel	diniek										
	ep: 2, Goat: 1												
	raal, Themba <i>l</i>	Animal Cli	nic										
Sheep: 1													
	rg, Magaliesbu	urg; Dr Ry	an Jeffrey	1									
Beef: 3	it Muldovodvifi	h Amimal U	conital										
Beef: 3	t, Muldersdrift	L Allillidi N	ospital										
Dystocia and	caesarean												
	nima Veterinar	y Consulti	ing Rooms	S									
Beef: 1		,	J										
	Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic												
Beef: 2	· · · · · · · · · · · · · · · · · · ·												
Four cases													
Sheep: 1	Sheep: 1												
Limpopo	Limpopo												
	Modimolle, Kranskop Dierekliniek												
Beef: 2	H- L I- · · · · !												
	th too large calv	res											
Sheep: 2 North West													
North West													

Brits, Brits Dierekliniek Beef: 2, Sheep: 2 Christiana, Christiana Dierehospitaal Klerksdorp, Klerksdorp Dierehospitaal Beef: 2, Sheep: 2 Leeudoringstad, Leeudoringstad Dierekliniek Sheep: 3 Stella, Stella Dierekliniek Beef: 3 Ventersdorp, Ventersdorp Dierekliniek Beef: 3 **Free State Bloemfontein, Dr Stephan Wessels Bultfontein, Greylingsrust Dierespreekkamer** Beef: 2, Sheep: 3 Clocolan, Clocolan Dierekliniek Beef: 2, Sheep: 2 Ficksburg, Oosvrystaat Diere Produkte Beef: 3, Sheep: 3 Harrismith, Harrismith Dierehospitaal Beef: 2 Hoopstad, Hoopstad Dierekliniek Beef: 3, Sheep: 3 Kroonstad, Kroonstad Dierehospitaal Beef: 3 **Memel, Memel Veterinary Clinic** Beef: 2 Parys, Parys Dierehospitaal Beef: 2, Sheep: 2 Reitz, Riemland Dierehospitaal Beef: 3 Senekal, Senekal Dierekliniek Beef: 3, Sheep: 2 Viljoenskroon, Viljoenskroon Dierekliniek Beef: 3 Villiers, Wilgepoort Dierekliniek Vennootskap Beef: 2 Vrede, Vrede Dierehospitaal Beef: 3 Calvings 10 plus Wesselsbron, Wesselsbron Dierekliniek Beef: 2 Kwazulu-Natal **Bergville, Bergville Veterinary Clinic** Beef: 2 Bergville, Tugela Vet Clinic Camperdown, Camperdown Vet Clinic Goat: 1 Rectovaginal tear **Dundee, Endumeni Herd health**

Eshowe, Eshowe Veterinary Hospital

Beef: 2 **Estcourt, Estcourt Vet Clinic** Beef: 2 **Mooi River, Mooirivier Vet Clinic** Beef: 3 Mtubatuba, Mtubatuba Animal Clinic Beef: 2 **Newcastle, Ncanduvet Newcastle** Beef: 3, Sheep: 1 Pietermaritzburg, Veterinary House Hospital Beef: 1 Pongola, Pongola Animal Clinic Beef: 3 **Underberg, Underberg Veterinary Surgery** Vryheid, Vryheid Privaat Veeartse Beef: 2 **Eastern Cape** Alexandria, Alexandria Platteland Spreekkamer Dairy: 2 Aliwal North, Hertzogbrug Dierekliniek Beef: 2 **Humansdorp, Humansdorp Veterinary Clinic** Dairy: 2 **Uitenhage, Uitenhage Dierehospitaal** Beef: 1, Sheep: 1 **Western Cape Beaufort West, Beaufort Dierekliniek** Sheep: 1 **Caledon, Overberg Veterinary Hospital** Beef: 2, Dairy: 2 **Ceres, Ceres Veterinary Hospital** Beef: 2 Fice cases, 3 twins **Darling, Tygerberg Dierehospitaal Darling** George, George Animal Hospital Dairy: 1 Malmesbury, Invitrotech Dairy: 2 Five cases; slaughtered one animal Malmesbury, Malmesbury Dierehospitaal Beef: 2, Dairy: 2 **Oudtshoorn, Ostrimed** Sheep: 2 **Oudtshoorn, Oudtshoorn Dierekliniek** Beef: 1 Stellenbosch, Stellenbosch Animal Hospital Swellendam, Swellendam Dierehospitaal **Worcester, Durban Straat Dierekliniek Worcester** Dairy: 2 **Northern Cape**

Kuruman, Kuruman Dierekliniek

Beef: 2													
Postmasburg, Postmasburg Dierekliniek													
Beef: 2, Shee	ep: 2, Goat: 2												
Endomet	ritis								_				
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape				
Average					2.0 (2)	1.0 (1)		2.8 (5)					
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than :	10 cases				
1.0 (1) 2.0 (1)													
Dairy					2.0 (2)			3.0 (4)					
Free State													
	Kroonstad Die	rehospita	al										
Dairy: 2													
	nekal Dierekli	niek											
Dairy: 2	.1												
Kwazulu-Na Dundoo En	ataı dumeni Herd h	noalth											
Beef: 1	uumem neru r	learui											
Western Ca	pe												
	ledon Dierekli	niek											
Dairy: 3													
	(WC), Heidelb	erg Diere	kliniek										
Dairy: 3													
	y, Malmesbury	Dierehos	pitaal										
Beef: 2, Dair	y: 3 n , Swellendam	Diorobos	nitaal										
Dairy: 3	i, Swellendam	Dierenos	рісааі										
Metritis									_				
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape				
Average				3.0 (2)	2.0 (2)	2.0 (3)	1.5 (2)	2.3 (6)					
Level of imported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than :	10 cases				
Beef				3.0 (1)	2.0 (1)	1.0 (1)		2.0 (1)					
Dairy					2.0 (1)	2.5 (2)	1.0 (1)	2.4 (5)					
Sheep				3.0 (1)			2.0 (1)						
North West	:				•								
J. C. 11 C3C													

Beef: 3, Shee									
Free State	:р. э								
	in, Dr Stephan	Wossels							
Beef: 2	iii, Di Stepiiaii	wessels							
	Vroopstad Dis	roboonito							
	Kroonstad Die	renospita	aı						
Dairy: 2	4-1								
(wazulu-Na		. • .							
	tcourt Vet Cli	1IC							
Dairy: 3									
	Mooirivier Vet	Clinic							
Beef: 1									
	Underberg Ve	terinary S	urgery						
Dairy: 2									
Eastern Cap									
	et, Graaff Rei	net Veteri	nary Clinic	3					
Sheep: 2									
	p, Humansdor	p Veterin	ary Clinic						
Dairy: 1									
Western Cap									
	ledon Dierekli	niek							
Dairy: 3									
Darling, Tyg	erberg Diereh	ospitaal I	Darling						
Dairy: 2									
dalmesbury	, Dr Otto Krie	k							
Dairy: 1	•								
•	y, Malmesbury	Dierehos	pitaal						
Beef: 2, Dairy			•						
	n, Swellendam	Dierehos	pitaal						
	•								
Jairy: 3			•						
	ception								
Poor cond	ception Mpumalanga	Gauteng		North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Poor cond		Gauteng			State 2.3	Natal		Cape	
PROVINCE Average Level of impo	Mpumalanga		Limpopo	West 1.5 (2)	2.3 (3) e case b	2.0 (3)	Cape 2.7 (3)	2.3 (6)	Cape
PROVINCE Average Level of imporeported Beef	Mpumalanga		Limpopo	West 1.5 (2)	2.3 (3)	2.0 (3) ut less than t 1.5 (2)	2.7 (3) en and 3 =	2.3 (6) more than 2.0 (1)	Cape
PROVINCE Average Level of imported Beef Dairy	Mpumalanga 2.0 (1) ortance scale: 1		Limpopo	West 1.5 (2) e than one	2.3 (3) e case b 3.0 (1)	Natal 2.0 (3) ut less than t	2.7 (3) en and 3 = 3.0 (1) 3.0 (1)	2.3 (6) more than 2.0 (1) 2.5 (4)	Cape
PROVINCE Average Level of impore ported Beef Dairy Sheep	Mpumalanga 2.0 (1) ortance scale: 1 2.0 (1)		Limpopo	West 1.5 (2) e than one	2.3 (3) e case b	2.0 (3) ut less than t 1.5 (2)	2.7 (3) en and 3 =	2.3 (6) more than 2.0 (1)	Cape
PROVINCE Average Level of imporeported Beef Dairy Sheep Mpumalanga	Mpumalanga 2.0 (1) ortance scale: 1 2.0 (1)	= one case	Limpopo e, 2 = more	West 1.5 (2) e than one	2.3 (3) e case b 3.0 (1) 2.0	2.0 (3) ut less than t 1.5 (2)	2.7 (3) en and 3 = 3.0 (1) 3.0 (1)	2.3 (6) more than 2.0 (1) 2.5 (4)	Cape
PROVINCE Average Level of imporeported Beef Dairy Sheep Mpumalanga	Mpumalanga 2.0 (1) ortance scale: 1 2.0 (1)	= one case	Limpopo e, 2 = more	West 1.5 (2) e than one	2.3 (3) e case b 3.0 (1) 2.0	2.0 (3) ut less than t 1.5 (2)	2.7 (3) en and 3 = 3.0 (1) 3.0 (1)	2.3 (6) more than 2.0 (1) 2.5 (4)	Cape
PROVINCE Average Level of impore ported Beef Dairy Sheep Mpumalanga	Mpumalanga 2.0 (1) ortance scale: 1 2.0 (1)	= one case	Limpopo e, 2 = more	West 1.5 (2) e than one	2.3 (3) e case b 3.0 (1) 2.0	2.0 (3) ut less than t 1.5 (2)	2.7 (3) en and 3 = 3.0 (1) 3.0 (1)	2.3 (6) more than 2.0 (1) 2.5 (4)	Cape
Average Level of impore reported Beef Dairy Sheep	Mpumalanga 2.0 (1) ortance scale: 1 2.0 (1) a , Middelburg I	= one case	Limpopo e, 2 = more	West 1.5 (2) e than one	2.3 (3) e case b 3.0 (1) 2.0	2.0 (3) ut less than t 1.5 (2)	2.7 (3) en and 3 = 3.0 (1) 3.0 (1)	2.3 (6) more than 2.0 (1) 2.5 (4)	Cape
Poor cond PROVINCE Average Level of impore ported Beef Dairy Sheep Mpumalanga Middelburg Beef: 2 North West	Mpumalanga 2.0 (1) ortance scale: 1 2.0 (1) a , Middelburg I	= one case	Limpopo e, 2 = more	West 1.5 (2) e than one	2.3 (3) e case b 3.0 (1) 2.0	2.0 (3) ut less than t 1.5 (2)	2.7 (3) en and 3 = 3.0 (1) 3.0 (1)	2.3 (6) more than 2.0 (1) 2.5 (4)	Cape
Poor cond PROVINCE Average Level of impore ported Beef Dairy Sheep Mpumalanga Middelburg Beef: 2 North West	Mpumalanga 2.0 (1) ortance scale: 1 2.0 (1) a , Middelburg I	= one case	Limpopo e, 2 = more	West 1.5 (2) e than one	2.3 (3) e case b 3.0 (1) 2.0	2.0 (3) ut less than t 1.5 (2)	2.7 (3) en and 3 = 3.0 (1) 3.0 (1)	2.3 (6) more than 2.0 (1) 2.5 (4)	Cape

Beef: 2									
Free State									
Ficksburg, (Dosvrystaat Di	ere Produ	ıkte						
Sheep: 2									
Farmers belie	eve it is too expe	ensive to fe	ed animals						
Ladybrand,	Ladybrand Die	erekliniek							
Beef: 3									
Villiers, Wil	gepoort Dierel	kliniek Ve	nnootskap)					
Sheep: 2									
Kwazulu-Na	atal								
	dumeni Herd l	nealth							
Beef: 2									
Mooi River, Beef: 1	Mooirivier Vet	Clinic							
Underberg,	Underberg Ve	terinary S	Surgery						
Dairy: 3									
Early foetal d	leath on scannin	g							
Eastern Cap	е								
	p, Humansdor	p Veterina	ary Clinic						
Dairy: 3									
	, Steynsburg D	ierehospi	itaal						
Beef: 3									
	Witelsbos Vete	rinary Co	nsulting R	ooms					
Sheep: 2									
Western Ca	•								
	ledon Dierekli	niek							
Dairy: 3									
	y, Invitrotech								
Dairy: 2									
Culled 5 anim									
	y, Malmesbury	Dierehos	pitaal						
	y: 2, Sheep: 2	D'							
	n, Swellendam	Dierenos	pitaai						
Dairy: 3									
Retained	afterbirth								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.5 (4)			3.0 (2)	2.0 (3)	1.8 (5)	1.0 (1)	2.0 (4)	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	1.3 (3)			3.0 (2)	2.0 (3)	1.8 (5)			2.0 (1)
Dairy							1.0 (1)	2.0 (4)	
Sheep	2.0 (1)								
Mpumalang	a								
	four Diereklin	iek							
Beef: 1									
Grootvlei, G	rootvlei Diere	kliniek							
•									

Beef: 1									
Lvdenburg,	Longtom Dier	ekliniek							
Beef: 2, Shee									
North West	•								
Christiana.	Christiana Die	rehosnita	al						
Beef: 3		· ciioopita	-						
	stad, Leeudori	nactad Di	orokliniok						
Beef: 3	stau, Leeuuori	iigstau Di	erekiiiiek						
Free State									
	in, Dr Stephan	Mossols							
Beef: 2	iii, Di Stepiiaii	Wessels							
	Greylingsrust	Diorocar	ookkamar						
Beef: 2	, Greyningsrust	. Dielespi	eekkaillei						
	Vuonnatad Dia								
	Kroonstad Die	renospita	aı						
Beef: 2	1-1								
Kwazulu-Na			_						
	ergville Veteri	nary Clini	С						
Beef: 2	C '	\/.: C''							
	n, Camperdov	vn Vet Cli	nic						
Beef: 1									
	dumeni Herd h	nealth							
Beef: 2									
	Mooirivier Vet	Clinic							
Beef: 1									
	Ncanduvet Ne	wcastle							
Beef: 3									
Eastern Cap									
	Alexandria Pla	atteland S	preekkam	er					
Dairy: 1									
Western Ca									
Darling, Tyg	jerberg Diereh	ospitaal [Darling						
Dairy: 3									
Malmesbury	y, Dr Otto Krie	k							
Dairy: 1									
Malmesbury	y, Malmesbury	Dierehos	pitaal						
Dairy: 3									
Stellenbosc	h, Stellenbosc	h Animal	Hospital						
Dairy: 1									
Northern Ca	ре								
	uruman Diere	kliniek							
Beef: 2									
Sheath P	rolaps								^
PPOVINCE	Mpumalanga	Gautena	Limnono	North	Free	Kwazulu-	Eastern	Western	Northern
PROVINCE	Pipulialaliga	Gauteng	широро	West	State	Natal	Cape	Cape	Cape
Average		1.0(1)				2.0(1)			1.0(1)
		1.0 (1)				2.0 (1)			1.0 (1)
Level of impo	ortance scale: 1	= one case	2 = more	than on	e case h	ut less than t	en and 3 –	more than	10 cases
reported	Ji wille scale. 1	- one case	., <u> </u>	alan Ull	c case D	at icas tilali t	cir and 5 =	more than	10 (0363
reported									
Beef		1.0(1)				2.0 (1)			1.0 (1)
Gauteng									
	spruit, Kerkstr	aat Dierel	kliniek						
DI GIIRIIOI SC	יאים אים ואים	aut Diele	CK						

Beef: 1														
Kwazulu-Natal														
	ergville Veteri	nary Clini												
	Seef: 2													
	Northern Cape													
	Kimberley, Kimberley Dierekliniek													
	Beef: 1													
	Prolaps, lamina interna													
Prolaps, lamii	na interna													
Uterus prolaps														
PROVINCE	VINCE Mpumalanga Gauteng Limpopo North West State Kwazulu- Eastern Cape Cape													
Average	2.0 (8)	2.0 (1)		2.0 (1)	2.0 (11)	1.6 (5)	1.5 (2)	1.0 (4)	2.0 (2)					
Level of impore	ortance scale: 1	= one case	e, 2 = more	than on		ut less than t	en and 3 =	more than :	10 cases					
Beef	1.8 (5)	2.0 (1)			2.0 (7)	1.6 (5)	1.5 (2)	1.0 (1)	2.0 (2)					
Dairy				2.0(1))			1.0 (3)						
Sheep	2.3 (3)				2.0 (4)									
Mpumalang	а													
Bethal, Beth	nal Diereklinie	k												
Beef: 1														
Ermelo, Môi	regloed Veteri	nêre Spre	ekkamer											
Beef: 2														
Grootvlei, G	rootvlei Diere	kliniek												
Beef: 2, Shee														
	Longtom Dier	ekliniek												
Beef: 2, Shee														
	cape Cross Vol	ksrust Die	erehospita	al										
Beef: 2, Shee														
Gauteng	.p. 0													
_	spruit, Kerkstr	aat Diere	kliniek											
Beef: 2	,													
North West														
	Dierekliniek													
Dairy: 2														
Free State														
	ocolan Dierek	liniek												
Beef: 2														
	Dosvrystaat Di	ere Produ	kte											
Beef: 2, Shee														
Harrismith, Harrismith Dierehospitaal														
Beef: 2														
	Kroonstad, Kroonstad Dierehospitaal													
Sheep: 2	Jonetha Dic	. 31105p1W												
	nel Veterinary	Clinic												
Memel, Memel Veterinary Clinic Beef: 2														
	land Dierehos	nitaal												
MICITI	210101103													

Beef: 2	Beef: 2													
	Senekal, Senekal Dierekliniek													
Beef: 2, Shee														
Villiers, Wil	gepoort Dierek	kliniek Ve	nnootskap)										
Sheep: 2														
Vrede, Vred	le Dierehospita	aal												
Beef: 2														
Six cases														
Kwazulu-Na	(wazulu-Natal Bergville, Bergville Veterinary Clinic													
Bergville, B	ergville Veteri	nary Clini	С											
Beef: 2														
Dundee, En	dumeni Herd h	nealth												
Beef: 2														
Eshowe, Es	howe Veterina	ry Hospita	al											
Beef: 1														
Estcourt, Es	Beef: 1 Estcourt, Estcourt Vet Clinic													
Beef: 2	·													
Pietermarit	Beef: 2 Pietermaritzburg, Veterinary House Hospital													
Beef: 1		,												
Eastern Cap	ne .													
	h, Hertzogbrug	Diereklii	niek											
Beef: 1	.,	, 210.0												
	, Steynsburg D	ierehosni	itaal											
Beef: 2	, 0 (0) 0 0 0 9 2	тоголоор.												
Western Ca	ne													
	orge Animal Ho	nenital												
Dairy: 1	orge Ammai m	ospitai												
	(WC), Heidelb	era Dierel	kliniek											
Dairy: 1	(WC), Heidelb	erg Dierei	MIIIICK											
	y, Malmesbury	Dierehos	nitaal											
Beef: 1	y, Mailliesbui y	Dicicios	pitaai											
	Riversdal Dier	okliniak												
	Kiveisuai Diei	ekiiiiek												
Dairy: 1														
Northern Ca	-	ualelimiale												
	Kimberley Die	rekiiniek												
Beef: 2	D	D: I.I	!!											
	rg, Postmasbu	rg Diereki	іпіек											
Beef: 2														
Vaginal (Cervical) pr	olaps							^					
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape					
Average	1.8 (6)	1.5 (2)		2.5 (2)	1.9 (11)	2.0 (6)	2.0 (1)	1.3 (3)	1.0 (1)					
Level of impore	ortance scale: 1	= one case	e, 2 = more	than one	e case b	ut less than to	en and 3 =	more than :	10 cases					
Beef	1.8 (5)	1.5 (2)		2.5 (2)	1.9 (7)	2.0 (6)	2.0 (1)	2.0 (1)	1.0 (1)					
Dairy								1.0(1)						

2.0 Sheep 2.0(1)1.0(1)(4) **Mpumalanga Bethal, Bethal Dierekliniek** Beef: 2 Ermelo, Môregloed Veterinêre Spreekkamer Beef: 2 Grootvlei, Grootvlei Dierekliniek Beef: 2, Sheep: 2 **Nelspruit, Nelspruit Animal Hospital Volksrust, Cape Cross Volksrust Dierehospitaal** Beef: 2 Gauteng **Bronkhorstspruit, Kerkstraat Dierekliniek** Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic Beef: 2 **North West Brits, Brits Dierekliniek** Leeudoringstad, Leeudoringstad Dierekliniek Beef: 3 **Free State Bultfontein, Greylingsrust Dierespreekkamer** Sheep: 2 Clocolan, Clocolan Dierekliniek Beef: 1 Ficksburg, Oosvrystaat Diere Produkte Beef: 2 **Hoopstad, Hoopstad Dierekliniek** Beef: 2, Sheep: 2 Ladybrand, Ladybrand Dierekliniek Beef: 2, Sheep: 2 **Memel, Memel Veterinary Clinic** Beef: 2 Reitz, Riemland Dierehospitaal Beef: 2 Senekal, Senekal Dierekliniek Beef: 2 Villiers, Wilgepoort Dierekliniek Vennootskap Sheep: 2 Kwazulu-Natal **Bergville, Bergville Veterinary Clinic** Beef: 3 **Dundee, Endumeni Herd health** Beef: 2 **Eshowe, Eshowe Veterinary Hospital** Beef: 1 **Estcourt, Estcourt Vet Clinic** Beef: 2 Mtubatuba, Mtubatuba Animal Clinic Pietermaritzburg, Veterinary House Hospital

Beef: 2

Eastern Cap Aliwal North									
	ı, Hertzoabrud	ı Diereklii	niek						
Beef: 2	.,	,							
Western Cap	ре								
-	orge Animal Ho	ospital							
Beef: 2									
	Riversdal Dier	ekliniek							
Sheep: 1									
•	Durban Straat	Diereklin	iek Worce	ster					
Dairy: 1									
Northern Ca	ipe uruman Dierel	kliniak							
Beef: 1	didiliali biere	KIIIIICK							
Climatica	al Cause								
Cold expo	osure								
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 impo	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than	10 cases
Beef						1.0 (1)			
Sheep									
-	tal							2.0 (1)	
Kwazulu-Na Camperdow Beef: 1 Western Cap	n, Camperdov							2.0 (1)	
Kwazulu-Na Camperdow Beef: 1 Western Caj Caledon, Ov	n, Camperdov pe							2.0 (1)	
Kwazulu-Na Camperdow Beef: 1 Western Cap Caledon, Ov Sheep: 2	n, Camperdov pe							2.0 (1)	
Kwazulu-Na Camperdow Beef: 1 Western Cap Caledon, Ov Sheep: 2 Drought	n, Camperdov pe	nary Hosp	ital	North	Free State	Kwazulu- Natal	Eastern Cape		Northern Cape
Kwazulu-Na Camperdow Beef: 1 Western Cap Caledon, Ov Sheep: 2 Drought	n, Camperdov pe erberg Veterii	nary Hosp	ital			ittiazaia	Lascoill	Western	Cape
Kwazulu-Na Camperdow Beef: 1 Western Cap Caledon, Ov Sheep: 2 Drought PROVINCE Average	n, Camperdov pe erberg Veterii Mpumalanga	Gauteng	Limpopo 3.0 (3)	West	3.0 (3) e case b	Natal 2.5 (2)	Cape 3.0 (9)	Western Cape 3.0 (1)	3.0 (7)
Kwazulu-Na Camperdow Beef: 1 Western Cap Caledon, Ov Sheep: 2 Drought PROVINCE Average Level of imporreported	pe erberg Veterin Mpumalanga	Gauteng	Limpopo 3.0 (3)	West	3.0 (3)	Natal 2.5 (2)	Cape 3.0 (9)	Western Cape 3.0 (1)	3.0 (7) 10 cases
Kwazulu-Na Camperdow Beef: 1 Western Cap Caledon, Ov Sheep: 2 Drought PROVINCE Average Level of imporeported Beef	Mpumalanga 2.4 (5) ortance scale: 1	Gauteng 3.0 (1) = one case	Limpopo 3.0 (3) e, 2 = more	West	3.0 (3) e case b 3.0 (1)	Natal 2.5 (2) ut less than t	3.0 (9) en and 3 =	Western Cape 3.0 (1)	3.0 (7) 10 cases
Kwazulu-Na Camperdow Beef: 1 Western Cap Caledon, Ov Sheep: 2 Drought PROVINCE Average	Mpumalanga 2.4 (5) ortance scale: 1	Gauteng 3.0 (1) = one case	Limpopo 3.0 (3) e, 2 = more	West	3.0 (3) e case b	Natal 2.5 (2) ut less than t	3.0 (9) en and 3 =	Western Cape 3.0 (1)	3.0 (7)
Kwazulu-Na Camperdow Beef: 1 Western Cap Caledon, Ov Sheep: 2 Drought PROVINCE Average Level of imporeported Beef Dairy	Mpumalanga 2.4 (5) ortance scale: 1 2.3 (3)	Gauteng 3.0 (1) = one case	Limpopo 3.0 (3) e, 2 = more 3.0 (1)	West	3.0 (3) e case b 3.0 (1)	Natal 2.5 (2) ut less than t	3.0 (9) en and 3 = 3.0 (3) 3.0 (1)	Western Cape 3.0 (1)	3.0 (7) 10 cases 3.0 (2)

Lydenburg, Longtom Dierekliniek

Beef: 2, Sheep: 2

Nelspruit, Nelspruit Animal Hospital

Beef: 2

Standerton, Econovet

Beef: 3, Sheep: 3

Gauteng

Magaliesburg, Magaliesburg; Dr Ryan Jeffrey

Beef: 3

Protein and energy malnutrition (PEM)

Limpopo

Makhado, Blouberg Dierekliniek

Beef: 3 Severe Sheep: 3, Goat: 3

Free State
Philippolis, Rowelsfontein veearts Spreekkamer

Sheep: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

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

Bergville, Bergville Veterinary Clinic

Beef: 3

Pietermaritzburg, Veterinary House Hospital

Beef: 2
Eastern Cape

Adelaide, Adelaide Veterinary Clinic

Beef: 3 Very dry

Graaff-Reinet, Camdeboo Veterinary Clinic

Sheep: 3, Goat: 3

Steynsburg, Steynsburg Dierehospitaal

Beef: 3, Dairy: 3, Sheep: 3, Goat: 3

Stutterheim, Stutterheim Veterinary Clinic

Beef: 3 Severe drought Sheep: 3 **Western Cape**

Beaufort West, Beaufort Dierekliniek

Sheep: 3

Northern Cape

De Aar, De Aar Veterinary Clinic

Sheep: 3

Kuruman, Kuruman Dierekliniek

Beef: 3, Sheep: 3, Goat: 3

Postmasburg, Postmasburg Dierekliniek

Beef: 3, Sheep: 3, Goat: 3

Heat stress									
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 (3)	

Level of impore	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than 1	10 cases
Beef	1.0(1)					1.0(1)		2.0 (1)	
Dairy						3.0 (2)		2.0 (1)	
Sheep								2.0 (1)	
Mpumalang	а								
	four Diereklin	iek							
Beef: 1									
Kwazulu-Na Dundee, En	ataı dumeni Herd h	ealth							
Beef: 1	admem nera i	icarcii							
Estcourt, Es	tcourt Vet Clir	nic							
Dairy: 3									
Underberg, Dairy: 3	Underberg Ve	terinary S	urgery						
Western Ca	ne								
Malmesbury	y, Malmesbury y: 2, Sheep: 2	Dierehos	pitaal						
Lightning	J								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.5 (2)				2.0 (3)				
Level of imporeported	ortance scale: 1	= one case	e, 2 = more	than on	e case b	ut less than t	en and 3 =	more than :	10 cases
Beef	1.5 (2)				2.0 (1)				
Sheep					2.0 (2)				
Mpumalang									
Balfour, Bal Beef: 1	four Diereklin	lek							
	Longtom Dier	ekliniek							
Beef: 2									
Free State									
	ocolan Dierek	liniek							
Sheep: 1	nal Vatarinary	Clinic							
Beef: 2, Shee	mel Veterinary ep: 3	Cillic							
	cific diseas	es							
Genetic d	lisorders								^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape

Average 1.0 (1)

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

Beef 1.0 (1)

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 1

Preditors											
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Average	2.0 (2)				2.3 (7)		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 (3)	
Sheep	2.0 (1)	2.5 (4)	2.0 (1)

Mpumalanga

Lydenburg, Longtom Dierekliniek

Beef: 2, Sheep: 2

Free State

Clocolan, Clocolan Dierekliniek

Beef: 2, Sheep: 2

Ficksburg, Oosvrystaat Diere Produkte

Beef: 2, Sheep: 2

Philippolis, Rowelsfontein veearts Spreekkamer

Sheep: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2, Sheep: 3
Eastern Cape

Steynsburg, Steynsburg Dierehospitaal

Sheep: 2

Sabotation/Theft											
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Average	3.0 (2)				2.5 (4)	3.0 (1)	3.0 (1)				

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

Beef	3.0 (1)				3.0 (1)	3.0 (1)					
Dairy					2.0 (1)						
Sheep	3.0 (1)				2.5 (2)		3.0 (1)				
Mpumalang	a										
Lydenburg, Longtom Dierekliniek											
	Beef: 3, Sheep: 3										
Free State											
	ocolan Dierek	liniek									
Beef: 3, Dairy											
	gepoort Dierel	kliniek Ve	nnootskap								
	Sheep: 2										
Kwazulu-Na											
	ergville Veteri	nary Clini	C								
Beef: 3											
Eastern Cap											
	Steynsburg D	ierehospi	taal								
Sheep: 3											
Trauma									^		
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Average		1.5 (2)						1.0 (1)			
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported											
Beef		2.0 (1)									
Sheep		, ,						1.0(1)			
Goat		1.0(1)									
Gauteng											
	derstepoort A	cademic I	Hospital ar	nd Prod	uction A	Animal Clinic	3				
Beef: 2											
Fractures, 4 o	cases										
Goat: 1											
Laceration											
Western Ca	ре										
Worcester, Durban Straat Dierekliniek Worcester											
Sheep: 1 Veld fires									^		
Teld IIIes									_		
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Average						2.0 (1)					

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

Beef						2.0 (1)				
Kwazulu-Natal										
Bergville, Bergville Veterinary Clinic										
Beef: 2										
Traumatic Reticulo-pericarditis										
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average		2.0 (1)				1.0 (1)		2.0 (1)		
Level of 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)		
Gauteng										
Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic										
Beef: 2										
Kwazulu-Natal										
Vryheid, Vryheid Privaat Veeartse										
Beef: 1										
Western Cape										
Darling, Tygerberg Dierehospitaal Darling Beef: 2										
DECI. Z										