

**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)

Bronkhorstspuit – 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, Mokoelé, 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/Potchefstroom – 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. Dédé 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 strength – 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-and-Mouth 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.
 - l. 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 subsidizing, 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 statutory 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 exports 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 levy 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 fund itself, without necessarily 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 country and who were poorly serviced by DAFF before 1994. To rely on 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 Statutory 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 paid 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]

PSE indicator		Producer Support Estimate (PSE)					
Unit		USD mn					
Time		2010	2011	2012	2013	2014	2015
Country		▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼
Australia		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	400.21
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	33 509.48
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	5 163.55
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	7 737.55
Turkey		22 021.68	19 437.33	17 137.66	15 208.04	14 681.40	11 568.57
United States		30 774.35	32 683.81	35 993.12	29 020.14	43 571.84	38 784.56
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	211 982.25
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	697.51
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 2: National Marketing Council Report on Statuary levys implemented. The Table shows that the Red Meat Sector has the lowest statuary levy of all the Agricultural sectors in South Africa. [Editor, this is Table 2}

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	1.2 %	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

<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.html

<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
<i>E. coli</i>	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
Cryptosporidiosis	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 representative:

Signature:

Date:

**** * Biosecurity**

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

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

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

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

OVINE JOHNE'S DISEASE VENDOR DECLARATION

ON THE SALE OF SHEEP

(Updated Draft May 2015)

- | | | |
|--|------------|-----------|
| 1. I hereby declare that I am the owner or authorised representative of the sheep on sale and am competent to make this declaration. | YES | NO |
| 2. The sheep for sale are clearly identified in the accompanying description. | YES | NO |
| 3. The sheep for sale were born on my farm. | YES | NO |
| 4. The farm has a closed flock policy. (No live sheep are brought onto the farm from elsewhere) | YES | NO |
| 5. I know the signs of the disease and to the best of my knowledge, all of my properties are free of cases of Ovine Johne's Disease. | YES | NO |
| 6. I have actively looked for Ovine Johne's Disease and have had tests done for this. | YES | NO |
| 7. To the best of my knowledge, my immediate neighbours and farms in my magisterial district of my farm(s) are free of cases of Ovine Johne's Disease. | YES | NO |

8. The sheep on my properties have been vaccinated against Ovine Johne's Disease and are clearly marked with the approved ear tag.	YES	NO
9. All lambs born are vaccinated	YES	NO
10. If vaccinated, the number of years that the vaccinations have been done is		years
NOTE: Vaccination does not mean freedom from OJD, vaccinated animals can still be carriers. Statement 8 and 9 apply only to already infected flocks, and such sheep can only be sold to other infected flocks by law. Buyers should consult their veterinary advisor before any purchases.		

Signature _____

Date _____

NAME _____

Farm: _____

District: _____

OWNER OR AUTHORIZED REPRESENTATIVE

The 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 prevalence 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 brucellose in 'n beeskudde

Boerderypraktyke wat die gevaar van die voorkoms van brucellose verhoog

Pak brucellose by die horings

Brucellose kan jou lewe verwoes

Brucellose in wild

Bestuur van positiewe besmetlike misgeboorte beeste

Aankoop van beeste wat besmetlike misgeboorte het

Antwoorde oor brucellose

Behandeling van besmetlike misgeboorte

Besmetlike misgeboorte uitbreek in 'n kudde

Gevaar van brucellose onderskat

RB51-inenting teen brucellose 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 Foresight, 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).

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

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.



Holistic internal
parasite management

<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.1.1.0110.2885.9850..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

Gedoeelstia (uitpeuloogsiekte)									
Nasal bot				x	x	x		x	

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	x		x		x	x	x	x	
Asiatic red water	x	x		x	x	x	x	x	
Anaplasmosis	x		x	x	x	x	x	x	x
Heartwater	x	x	x	x		x	x		
Lumpy skin disease				x		x			
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.

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			x	x	x		x	
Botulism				x	x			x	x
Pulpy kidney	x			x			x	x	x
Lamb dysentery							x		x
Swelled head		x			x				
Red gut (cattle)					x		x		
Blood gut (sheep)	x				x		x	x	x
Tetanus	x				x			x	

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

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

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

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

Be sure to vaccinate animals against botulism especially if chicken litter is going to be fed to animals 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)	x			x	x	x	x		x
Rabies (cattle)				x					

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					x		x	x	
Slangkop									
<i>Crotalaria</i>									
Gifblaar	x								
Gousiekte		x		x	x				
<i>Cestrum</i> (ink berry)									
Tulip	x	x		x	x	x		x	
<i>Cynanchum</i> (bobbejaantou)								x	
Facial eczema					x			x	
<i>Lantana</i>	x		x	x		x			
Prussic acid							x		
<i>Acacia nilotica</i>									
<i>Senecio</i>									
<i>Cotula nigellifolia</i> (stagger wood)									
Geeldikkop (duwweltjies) and dikoor								x	
Vermeersiekte									
<i>Hertia pallens</i> (Nenta, krimpsiekte)							x		

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

Hypo									
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	x	x		x	x	x	x	x	x
Protein	x	x		x	x	x	x	x	
Phosphate					x	x	x		x
Calcium	x				x	x	x	x	

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
--------------	----	---	---	----	----	-----	----	----	----

Iodine						X			
Copper		X				X		X	
Zinc						X	X	X	
Selenium		X				X	X		X
Magnesium									
Manganese									
Vitamin A					X	X	X	X	
Vitamin B 1						X		X	

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	X	X		X	X	X	X	X	X
Stillbirths	X				X	X			X
Abscesses	X	X	X	X	X	X	X	X	X
Intestinal ulcers									
Bladder stones –urolithiasis	X				X			X	X
Blindness					X	X		X	X

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

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

Other conditions

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

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 bi-annually 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

Enterotyphlocolitis necrotic	New season chicks – form day 3-14. Stress trigger like heat. Acute mortalities, early treatment effective
<i>Mycoplasma</i> - Airsacculitis	3 – Cold / immune compromise and dust – <i>Mycoplasma</i> , going over into secondary infections <i>E. coli</i> etc.
Eye and upper respiratory tract problems	3 - Season change – Dust and cold winds with return of late season growers from the rearing farms lead to a multi disciplinary 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 fructicosus 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

Geddoelstia 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

[\(henton@vetdx.co.za\)](mailto: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 necrotoxicogenic *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
<i>Parafilaria</i>	B 2
Cysticercosis	B 3
Cryptosporidiosis	B 3
Blue ticks	B 3
Red-legged ticks	B 3, O 2
Sarcoptes mites	B 2
Itch mite	O 2
Blackleg	B 2
Red gut	B 3
Blood gut	O 3
Botulism	B 3

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

Abscesses	B 3, O 3
Dystocia	B 3
Heat stroke	B 3
Trauma	B 3, O 3
Pericarditis	B 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 (Liza-DuPlessis@idexx.com)

Condition	Comments and Specie
Cryptosporidiosis	B 1, O 1
Coccidiosis	O 1
Red gut	G 1
Pulpy kidney	C 1
<i>E. coli</i>	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	O 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)	S2682-19
20-Aug-19	Dwarf mongoose	Granulomatous hepatitis, splenitis	S2674-19
20-Aug-19	Hippopotamus	Normal lymph nodes (TB surveillance)	S2681-91
20-Aug-19	African Elephant	Normal lymph nodes (TB monitoring)	S2676-19
20-Aug-19	Lion	Killed by lion (TB monitoring)	S2673-19
20-Aug-19	Cheetah	Chronic renal disease, oxalate nephrosis, gastritis	S2665-19
21-Aug-19	Lion	Normal reproductive tract	S2698-19
21-Aug-19	Cheetah	Chronic renal disease, hepatic amyloidosis	S2687-19
30-Aug-19	Cheetah	Hepatic and renal amyloidosis	S2789-19
04-Sep-19	Cheetah	Gastritis monitoring	S2843-19
11-Sep-19	Cheetah	Feline infectious peritonitis	S2940-19
13-Sep-19	Cheetah	Cryptococcosis	S2966-19

Kind regards,

Dr. Emily Mitchell

DISEASE DISTRIBUTION REPORT AS REPORTED BY 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
<u>External Parasites</u>	Blue ticks , Resistant blue Ticks , Heartwater (Bont) ticks , Brown ear-ticks , 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
<u>Insect Transmittable Diseases</u>	Lumpy skin disease , Three-day-stiffsickness , Blue tongue , Nagana
<u>Venereal Diseases</u>	Trichomonosis , Vibriosis
<u>Bacterial Disease (other)</u>	Blackquarter , Botulism , Pulpy Kidney , Lamb dysentery , 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
<u>Protozoal diseases (other)</u>	Coccidiosis , Cryptosporidium
<u>Fungal diseases</u>	Ringworm
<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
<u>Poisonings (Plant) and Fungal</u>	Cardiac glycoside poisoning , Cestrum , Cynanchum poisoning , Facial eczema , Geeldikkop/Dikoor , Gifblaar , Lantana , Lupine Poisoning , Nenta poisoning (Krimpsiekte) , Nitrate poisoning , Prussic acid poisoning , Rye grass poisoning , Tulip Poisoning , Mycotoxycosis , Other
<u>Poisonings</u>	Urea Poisoning , Snake Bite , Copper Poisoning , Chemical products , Other
<u>Macro Nutritional Problems</u>	Energy deficiency , Protein deficiency , Phosphate deficiency , Calcium deficiency
<u>Micro Nutritional Problems</u>	Iodine deficiency , Copper deficiency , Zinc deficiency , Selenium deficiency , Vitamin A deficiency , Vitamin B deficiency
<u>Multi-factorial Disease Conditions</u>	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 Ill , Red gut (Sheep) , Trauma , Downer , Other , Vestubular syndrome (Middle ear infection)
Metabolic Diseases	Acidosis , Displaced abomasum , Ketosis , Milk Fever
Reproductive diseases	Dystocia (Difficult Births) , Endometritis , Metritis , Poor conception , Retained afterbirth , Sheath Prolaps , Uterus prolaps , Vaginal (Cervical) prolaps
Climatical Cause	Cold exposure , Drought , Heat stress , Lightning
Non specific diseases	Genetic disorders , Preditors , Sabotation/Theft , Trauma , Veld fires , Traumatic Reticulo-pericarditis

Internal Parasites

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

Viljoenskroon, Viljoenskroon Dierekliniek

Sheep: 3

Kwazulu-Natal

Bergville, Tugela Vet Clinic

Beef: 2, Sheep: 2, Goat: 2

Estcourt, Estcourt Vet Clinic

Sheep: 2, Goat: 2

Mooi River, Mooirivier Vet Clinic

Beef: 1, Sheep: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Vryheid, Vryheid Privaat Veeartse

Sheep: 2

Eastern Cape

Humansdorp, Humansdorp Veterinary Clinic

Sheep: 1

Witelsbos, Witelsbos Veterinary Consulting Rooms

Goat: 1

Western Cape

Caledon, Caledon Dierekliniek

Sheep: 2

Caledon, Overberg Veterinary Hospital

Sheep: 2

Darling, Tygerberg Dierehospitaal Darling

Sheep: 2

Nematodirus Ovine 1

George, George Animal Hospital

Sheep: 3

Heidelberg (WC), Heidelberg Dierekliniek

Sheep: 2

Malmesbury, Malmesbury Dierehospitaal

Sheep: 2

Moorreesburg, Moorreesburg Dierekliniek

Sheep: 3

Stellenbosch, Stellenbosch Animal Hospital

Goat: 1

Worcester, Durban Straat Dierekliniek Worcester

Sheep: 2

Resistant Round Worms									
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)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Sheep					3.0 (2)	2.0 (2)		2.0 (3)	

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)		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

Ladybrand, Ladybrand Dierekliniek

Sheep: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 1

Kwazulu-Natal**Pietermaritzburg, Veterinary House Hospital**

Sheep: 2

Western Cape**George, George Animal Hospital**

Sheep: 3

Heidelberg (WC), Heidelberg Dierekliniek

Sheep: 2

Malmesbury, Malmesbury Dierehospitaal

Sheep: 2

Riversdale, Riversdal Dierekliniek

Sheep: 2

Northern Cape**Colesberg, Karoo Veterinary Hospital**

Sheep: 3

Brown stomach-worm

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average								1.5 (2)	

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

Sheep

1.5 (2)

Western Cape**Heidelberg (WC), Heidelberg Dierekliniek**

Sheep: 2

Riversdale, Riversdal Dierekliniek

Sheep: 1

Nodular worm

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

Sheep

2.0 (1)

Northern Cape**Colesberg, Karoo Veterinary Hospital**

Sheep: 2

Tape Worms

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 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)								

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1, Sheep: 1

Middelburg, Middelburg Dierehospitaal

Sheep: 1

Nelspruit, Nelspruit Animal Hospital

Goat: 2

Free State

Ficksburg, Oosvrystaat Diere Produkte

Sheep: 3

Reitz, Riemland Dierehospitaal

Sheep: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Sheep: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 1

Kwazulu-Natal

Dundee, Endumeni Herd health

Sheep: 1

Pietermaritzburg, Veterinary House Hospital

Sheep: 2

Western Cape

Darling, Tygerberg Dierehospitaal Darling

Sheep: 2

George, George Animal Hospital

Sheep: 3

Malmesbury, Malmesbury Dierehospitaal

Sheep: 1

Parafilaria



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)
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Mpumalanga

Lydenburg, Longtom Dierekliniek

Beef: 3

Kwazulu-Natal

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Liver fluke

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

Lydenburg, Longtom Dierekliniek

Beef: 2, Sheep: 2

Free State

Clocolan, Clocolan Dierekliniek

Sheep: 2

Ficksburg, Oosvrystaat Dier Produkte

Beef: 1

Memel, Memel Veterinary Clinic

Beef: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Kwazulu-Natal

Bergville, Tugela Vet Clinic

Beef: 1

Dundee, Endumeni Herd health

Beef: 2

Estcourt, Estcourt Vet Clinic

Beef: 1, Dairy: 3

Mtubatuba, Mtubatuba Animal Clinic

Beef: 1

Pietermaritzburg, Veterinary House Hospital

Beef: 3

Western Cape

George, George Animal Hospital

Beef: 2, Dairy: 2

Malmesbury, Dr Otto Kriek

Beef: 1

Riversdale, Riversdal Dierekliniek

Dairy: 1

Stellenbosch, Stellenbosch Animal Hospital

Beef: 2

Conical Flukes

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average	2.5 (2)	1.0 (1)				2.0 (3)			
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Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef	2.5 (2)	1.0 (1)				2.0 (2)			
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Dairy						2.0 (1)			
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Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 2

Lydenburg, Longtom Dierekliniek

Beef: 3

Gauteng

Pretoria, Anima Veterinary Consulting Rooms

Beef: 1

Kwazulu-Natal

Estcourt, Estcourt Vet Clinic

Dairy: 2

Pietermaritzburg, Veterinary House Hospital

Beef: 3

Underberg, Underberg Veterinary Surgery

Beef: 1

Cysticercosis

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

Beef	3.0 (1)								
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Mpumalanga

Nelspruit, Nelspruit Animal Hospital

Beef: 3

External Parasites

Blue ticks

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)				

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1, Sheep: 1

Lydenburg, Longtom Dierekliniek

Beef: 3, Sheep: 3

Lydenburg, Lydenburg Dieresprekkamer

Beef: 3

Middelburg, Middelburg Dierehospitaal

Beef: 1

Nelspruit, Nelspruit Animal Hospital

Beef: 3

Standerton, Econovet

Beef: 2

North West

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 2

Free State

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 3

Bergville, Tugela Vet Clinic

Beef: 2

Dundee, Endumeni Herd health

Beef: 3

Eshowe, Eshowe Veterinary Hospital

Beef: 3

Mooi River, Mooirivier Vet Clinic

Beef: 1

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Pietermaritzburg, Veterinary House Hospital

Beef: 3

Underberg, Underberg Veterinary Surgery

Beef: 3

Eastern Cape

Aliwal North, Hertzogbrug Dierekliniek

Beef: 2

Western Cape

George, George Animal Hospital

Beef: 3, Dairy: 3

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 2

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2

Resistant blue Ticks

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

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

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

Free State

Hoopstad, Hoopstad Dierekliniek

Beef: 3

Kwazulu-Natal

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Western Cape

George, George Animal Hospital

Beef: 3, Dairy: 3

Heartwater (Bont) ticks

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

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)		

Mpumalanga

Lydenburg, Longtom Dierekliniek

Beef: 3, Sheep: 3, Goat: 3

Lydenburg, Lydenburg Dieresprekkamer

Beef: 2

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)	
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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-legged 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 importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef	2.0 (3)	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)		
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)

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1, Sheep: 1

Lydenburg, Longtom Dierekliniek

Beef: 3, Sheep: 3

Lydenburg, Lydenburg Dieresprekkamer

Beef: 2

Gauteng

Pretoria, Anima Veterinary Consulting Rooms

Beef: 2, Sheep: 2

North West

Christiana, Christiana Dierehospitaal

Beef: 3

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 2, Sheep: 2

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 2

Ventersdorp, Ventersdorp Dierekliniek

Beef: 3

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 3, Sheep: 3

Hoopstad, Hoopstad Dierekliniek

Beef: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 2, Sheep: 2

Memel, Memel Veterinary Clinic

Beef: 2

Parys, Parys Dierehospitaal

Beef: 3

Philippolis, Rowelsfontein veearts Spreekkamer

Sheep: 3

Wesselsbron, Wesselsbron Dierekliniek

Beef: 1, Sheep: 1

Kwazulu-Natal**Bergville, Bergville Veterinary Clinic**

Beef: 3

Bergville, Tugela Vet Clinic

Beef: 2, Goat: 2

Dundee, Endumeni Herd health

Beef: 3

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Vryheid, Vryheid Privaat Veeartse

Sheep: 3

Eastern Cape**Steynsburg, Steynsburg Dierehospitaal**

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

Western Cape**Malmesbury, Groenkloof Dierekliniek**

Beef: 2, Sheep: 2

Northern Cape**Calvinia, Calvinia Veeartskliniek**

Sheep: 2

Kuruman, Kuruman Dierekliniek

Beef: 2

Postmasburg, Postmasburg Dierekliniek

Sheep: 2, Goat: 2

Red-legged ticks

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.5 (4)			3.0 (1)	2.6 (7)			2.0 (2)	

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

Beef	2.0 (2)			3.0 (1)	2.5 (4)			2.0 (1)	
Sheep	1.0 (1)				2.7 (3)			2.0 (1)	
Goat	1.0 (1)								

Mpumalanga**Balfour, Balfour Dierekliniek**

Beef: 1, Sheep: 1, Goat: 1

Lydenburg, Lydenburg Dieresprekkamer

Beef: 3

North West**Christiana, Christiana Dierehospitaal**

Beef: 3

Free State**Hoopstad, Hoopstad Dierekliniek**

Beef: 3, Sheep: 3

Memel, Memel Veterinary Clinic

Beef: 2

Parys, Parys Dierehospitaal

Beef: 3, Sheep: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2, Sheep: 2

Western Cape**Malmesbury, Groenkloof Dierekliniek**

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

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

Free State**Parys, Parys Dierehospitaal**

Sheep: 2

Kwazulu-Natal**Bergville, Tugela Vet Clinic**

Sheep: 1

Newcastle, Ncanduvet Newcastle

Sheep: 2

Eastern Cape**Graaff-Reinet, Camdeboo Veterinary Clinic**

Goat: 1

Biting lice (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 importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef	2.0 (1)				2.0 (1)				
Sheep					1.7 (3)	3.0 (1)			2.0 (1)

Mpumalanga**Standerton, Econovet**

Beef: 2

Free State

Bloemfontein, Dr Stephan Wessels

Sheep: 3

Reitz, Riemland Dierehospitaal

Sheep: 1

Senekal, Senekal Dierekliniek

Beef: 2, Sheep: 1

Kwazulu-Natal**Vryheid, Vryheid Privaat Veeartse**

Sheep: 3

Northern Cape**Calvinia, Calvinia Veeartskliniek**

Sheep: 2

Sucking lice (blue lice)

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

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

Beef

2.5 (2) 2.5 (2)

Goat

2.0 (1)

North West**Brits, Brits Dierekliniek**

Beef: 2

Ventersdorp, Ventersdorp Dierekliniek

Beef: 3

Free State**Bloemfontein, Dr Stephan Wessels**

Beef: 3

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 2

Northern Cape**Postmasburg, Postmasburg Dierekliniek**

Goat: 2

Scab mites

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

Sheep

2.0 (1)

Northern Cape**De Aar, De Aar Veterinary Clinic**

Sheep: 2
Two farms

Mange Mites									
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 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)				
Sheep	1.0 (1)								

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1, Sheep: 1

Free State

Wesselsbron, Wesselsbron Dierekliniek

Beef: 2

Nuisance Flies									
PROVINCE	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 importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef	2.7 (3)			3.0 (1)	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)	

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 2, Sheep: 2

Lydenburg, Longtom Dierekliniek

Beef: 3, Sheep: 3

Nelspruit, Nelspruit Animal Hospital

Beef: 3

North West

Stella, Stella Dierekliniek

Beef: 3

Free State

Ficksburg, Oosvrystaat Diere Produkte

Beef: 2, Dairy: 2, Sheep: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 3

Dundee, Endumeni Herd health

Beef: 2, Dairy: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Pietermaritzburg, Veterinary House Hospital

Beef: 3

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Beef: 3

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Beef: 3, Dairy: 3, Sheep: 3

Oudtshoorn, Oudtshoorn Dierekliniek

Beef: 2, Sheep: 2

Blowflies									
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 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)	
Dairy								2.0 (1)	
Sheep	3.0 (1)				2.0 (2)			1.7 (3)	
Goat		1.0 (1)						1.0 (1)	

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Lydenburg, Longtom Dierekliniek

Beef: 3, Sheep: 3

Gauteng

Hammanskraal, Themba Animal Clinic

Goat: 1

Free State

Bultfontein, Greylingrust Diersprekkamer

Sheep: 2

Hoopstad, Hoopstad Dierekliniek

Sheep: 2

Western Cape

Heidelberg (WC), Heidelberg Dierekliniek

Sheep: 2

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2, Sheep: 2

Oudtshoorn, Oudtshoorn Dierekliniek

Beef: 1, Sheep: 1, Goat: 1

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)	

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

Sheep				3.0 (1)	2.0 (5)	2.0 (2)		2.0 (1)	
Goat				3.0 (1)					

North West

Leeudoringstad, Leeudoringstad Dierekliniek

Sheep: 3, Goat: 3

Free State

Kroonstad, Kroonstad Dierehospitaal

Sheep: 2

Ladybrand, Ladybrand Dierekliniek

Sheep: 2

Reitz, Riemland Dierehospitaal

Sheep: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 2

Kwazulu-Natal

Eshowe, Eshowe Veterinary Hospital

Sheep: 3

Mtubatuba, Mtubatuba Animal Clinic

Sheep: 1

Western Cape

Malmesbury, Malmesbury Dierehospitaal

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 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)		2.7 (3)	
Dairy								3.0 (2)	
Sheep								3.0 (1)	

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Western Cape

Darling, Tygerberg Dierehospitaal Darling

Beef: 2

George, George Animal Hospital

Dairy: 3

Malmesbury, Groenkloof Dierekliniek

Beef: 3

Malmesbury, Malmesbury Dierehospitaal

Beef: 3, Dairy: 3, Sheep: 3

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 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)	
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Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Western Cape

Malmesbury, Groenkloof Dierekliniek

Beef: 3

Other

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

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

Beef				3.0 (1)					
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North West

Christiana, Christiana Dierehospitaal

Beef: 3

Sarcoptes mites

Tick-borne Diseases

African red water

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.1 (7)		2.0 (1)		1.0 (1)	1.5 (11)	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	2.1 (7)		2.0 (1)		1.0 (1)	1.4 (9)	
Dairy						1.5 (2)	2.0 (1) 3.0 (1)

Mpumalanga

Grootvlei, Grootvlei Dierekliniek

Beef: 2

Hendrina, Mooiplaas Veterinêre Dienste

Beef: 2

Lydenburg, Longtom Dierekliniek

Beef: 3

Middelburg , Middelburg Dierehospitaal

Beef: 3

Nelspruit, Nelspruit Animal Hospital

Beef: 1

Standerton, Econovet

Beef: 2

Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 2

Limpopo

Makhado, Blouberg Dierekliniek

Beef: 2

Four cases

Free State

Parys, Parys Dierehospitaal

Beef: 1

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Camperdown, Camperdown Vet Clinic

Beef: 1

Dundee, Endumeni Herd health

Beef: 1, Dairy: 1

Eshowe, Eshowe Veterinary Hospital

Beef: 1

Estcourt, Estcourt Vet Clinic

Dairy: 2

Mooi River, Mooirivier Vet Clinic

Beef: 1

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Newcastle, Ncanduvet Newcastle

Beef: 2

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Underberg, Underberg Veterinary Surgery

Beef: 1

Summer season

Eastern Cape

Alexandria, Riverview Trading Vet Consulting Services

Dairy: 2

Western Cape

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 3

Asiatic red 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 importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	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**Balfour, Balfour Dierekliniek**

Beef: 1

Lydenburg, Longtom Dierekliniek

Beef: 2

Middelburg, Middelburg Dierehospitaal

Beef: 3

Piet Retief, Pets Vet Hospital

Beef: 3

Gauteng**Bronkhorstspuit, Kerkstraat Dierekliniek**

Beef: 1

North West**Ventersdorp, Ventersdorp Dierekliniek**

Beef: 2

Free State**Parys, Parys Dierehospitaal**

Beef: 1

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 1

Kwazulu-Natal**Bergville, Bergville Veterinary Clinic**

Beef: 2

Bergville, Tugela Vet Clinic

Beef: 2

Dundee, Endumeni Herd health

Beef: 2, Dairy: 1

Kokstad, Kokstad Veterinary Clinic

Beef: 2

Underberg, Underberg Veterinary Surgery

Beef: 1

Summer season

Eastern Cape**Uitenhage, Uitenhage Dierehospitaal**

Beef: 2

Western Cape**Heidelberg (WC), Heidelberg Dierekliniek**

Dairy: 1

Anaplasmosis									
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 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)		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)	

Mpumalanga

Grootvlei, Grootvlei Dierekliniek

Beef: 2

Middelburg , Middelburg Dierehospitaal

Beef: 1

Standerton, Econovet

Beef: 2

Limpopo

Makhado, Blouberg Dierekliniek

Beef: 2

Two cases

North West

Christiana, Christiana Dierehospitaal

Beef: 3

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 1

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 2

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 2

Clocolan, Clocolan Dierekliniek

Beef: 2

Ficksburg, Oosvrystaat Diere Produkte

Beef: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 2

Ladybrand, Ladybrand Dierekliniek

Beef: 2

Reitz, Riemland Dierehospitaal

Beef: 1

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Bergville, Tugela Vet Clinic

Beef: 2

Dundee, Endumeni Herd health

Dairy: 1

Eshowe, Eshowe Veterinary Hospital

Beef: 1

Kokstad, Kokstad Veterinary Clinic

Beef: 2

Pietermaritzburg, Veterinary House Hospital

Beef: 1

Eastern Cape**Alexandria, Alexandria Platteland Spreekkamer**

Beef: 1

Western Cape**Darling, Tygerberg Dierehospitaal Darling**

Beef: 2

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

Beef: 1

Worcester, Durban Straat Dierekliniek Worcester

Dairy: 2

Northern Cape**Kathu, Kathu Dierekliniek**

Beef: 1

Heartwater

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

Beef	2.3 (3)	1.0 (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

Beef: 2

Nelspruit, Nelspruit Animal Hospital

Goat: 2

Piet Retief, Pets Vet Hospital

Beef: 2

Gauteng**Bronkhorstspuit, Kerkstraat Dierekliniek**

Goat: 1

Hammanskraal, Themba Animal Clinic

Beef: 1, Sheep: 1, Goat: 1

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2

Limpopo**Makhado, Blouberg Dierekliniek**

Beef: 2

Eight cases

North West**Rustenburg, Bergbos Dierekliniek**

Beef: 2

Stella, Stella Dierekliniek

Beef: 3

Kwazulu-Natal**Bergville, Bergville Veterinary Clinic**

Beef: 2

Bergville, Tugela Vet Clinic

Sheep: 2

Camperdown, Camperdown Vet Clinic

Beef: 1

Dundee, Endumeni Herd health

Beef: 2

Eshowe, Eshowe Veterinary Hospital

Beef: 2

Three cases

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2, Goat: 2

Eastern Cape**Alexandria, Alexandria Platteland Spreekkamer**

Beef: 1

Alexandria, Riverview Trading Vet Consulting Services

Beef: 2

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 1

Jansenville

Uitenhage, Uitenhage Dierehospitaal

Beef: 1, Sheep: 1

Sweating Sickness

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

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

Beef				2.0 (1)	1.0 (2)	2.0 (1)			
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North West**Christiana, Christiana Dierehospitaal**

Beef: 2

Free State

Clocolan, Clocolan Direkliniek

Beef: 1

Senekal, Senekal Direkliniek

Beef: 1

Kwazulu-Natal**Newcastle, Ncanduvet Newcastle**

Beef: 2

Insect Transmittable Diseases**Lumpy skin 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 importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef				1.0 (1)		1.0 (1)			
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North West**Christiana, Christiana Dierehospitaal**

Beef: 1

Kwazulu-Natal**Mtubatuba, Mtubatuba Animal Clinic**

Beef: 1

Three-day-stiffsickness

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

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

Beef						1.0 (1)		1.5 (2)	
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Dairy								2.0 (1)	
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Kwazulu-Natal**Pongola, Pongola Animal Clinic**

Beef: 1

Western Cape**Heidelberg (WC), Heidelberg Direkliniek**

Dairy: 2

Piketberg, Piketberg Dierehospitaal

Beef: 2

First cases seen this season

Plettenberg Bay, Plettenberg Bay A Reitz

Beef: 1

First case of the season

Blue tongue

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

Sheep		2.0 (1)						1.0 (1)	
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Gauteng

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2

Western Cape

Riversdale, Riversdal Dierekliniek

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 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)			
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Kwazulu-Natal

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Venereal Diseases

Trichomonosis

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)		

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

Beef	2.5 (6)			2.3 (3)	2.2 (12)	1.5 (2)	1.0 (1)		
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Mpumalanga

Bethal, Bethal Dierekliniek

Beef: 2

Ermelo, Mōregloed Veterinêre Spreekkamer

Beef: 3

Grootvlei, Grootvlei Dierekliniek

Beef: 2

Middelburg, Middelburg Dierehospitaal

Beef: 3

Piet Retief, Pets Vet Hospital

Beef: 2

Standerton, Econovet

Beef: 3

North West

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 2

Two new farms

Stella, Stella Dierekliniek

Beef: 3

Vryburg, Vryburg Prov Vet Laboratory

Beef: 2

4 positive herds in Naledi District with 6 positive animals. 2 positive herds in Molopo District with 3 positive animals. A total of 36 herds and 300 animals were tested.

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 2

New farm, 3 positive bulls, Petrusburg

Clocolan, Clocolan Dierekliniek

Beef: 2

Dewetsdorp, Platkop Dierekliniek

Beef: 2

Ficksburg, Oosvrystaat Diere Produkte

Beef: 1

Hoopstad, Hoopstad Dierekliniek

Beef: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 3

Ladybrand, Ladybrand Dierekliniek

Beef: 2

Parys, Parys Dierehospitaal

Beef: 2

Reitz, Riemland Dierehospitaal

Beef: 2

Senekal, Senekal Dierekliniek

Beef: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2

Wesselsbron, Wesselsbron Dierekliniek

Beef: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 1

Dundee, Endumeni Herd health

Beef: 2

Eastern Cape

Aliwal North, Hertzogbrug Dierekliniek

Beef: 1

Vibriosis



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average	1.7 (3)		2.0 (1)	2.5 (2)	1.7 (9)	1.0 (2)	1.0 (1)	2.0 (1)
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Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef	1.7 (3)		2.0 (1)	2.5 (2)	1.7 (9)	1.0 (2)	1.0 (1)	2.0 (1)
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Mpumalanga

Hendrina, Mooiplaas Veterinêre Dienste

Beef: 2

Piet Retief, Pets Vet Hospital

Beef: 2

Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 1

Limpopo

Makhado, Blouberg Dierekliniek

Beef: 2

Two cases

North West

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 3

Vryburg, Vryburg Prov Vet Laboratory

Beef: 2

2 positive herds in Naledi District with 2 positive animals. A total of 35 herds and 291 animals were tested.

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 2

Clocolan, Clocolan Dierekliniek

Beef: 2

Dewetsdorp, Platkop Dierekliniek

Beef: 2

Ficksburg, Oosvrystaat Dier Produkte

Beef: 1

Kroonstad, Kroonstad Dierehospitaal

Beef: 2

Ladybrand, Ladybrand Dierekliniek

Beef: 2

Reitz, Riemland Dierehospitaal

Beef: 1

Senekal, Senekal Dierekliniek

Beef: 2

Wesselsbron, Wesselsbron Dierekliniek

Beef: 1

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 1

Newcastle, Ncanduvet Newcastle

Beef: 1

Eastern Cape

Aliwal North, Hertzogbrug Dierekliniek

Beef: 1

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Beef: 2

Bacterial Disease (other)

Blackquarter

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

Beef	2.3 (4)			2.0 (2)	1.4 (5)	1.3 (4)			
Dairy								1.0 (1)	
Goat						1.0 (1)			

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Lydenburg, Longtom Dierekliniek

Beef: 2

Middelburg, Middelburg Dierehospitaal

Beef: 3

Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 3

North West

Christiana, Christiana Dierehospitaal

Beef: 1

Blackleg/Quarter Evil

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 1

Ventersdorp, Ventersdorp Dierekliniek

Beef: 3

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 1

Clocolan, Clocolan Dierekliniek

Beef: 2

Memel, Memel Veterinary Clinic

Beef: 2

Parys, Parys Dierehospitaal

Beef: 1

Wesselsbron, Wesselsbron Dierekliniek

Beef: 1

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Bergville, Tugela Vet Clinic

Beef: 1, Goat: 1

Newcastle, Ncanduvet Newcastle

Beef: 1

Underberg, Underberg Veterinary Surgery

Beef: 1

Western Cape**Malmesbury, Invitrotech**

Dairy: 1

Uterine gangrene

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

Beef				1.0 (1)	1.0 (2)			1.0 (1)	1.0 (1)
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North West**Christiana, Christiana Dierhospitaal**

Beef: 1

Free State**Hoopstad, Hoopstad Dierkliniek**

Beef: 1

Memel, Memel Veterinary Clinic

Beef: 1

Western Cape**Malmesbury, Malmesbury Dierhospitaal**

Beef: 1

Northern Cape**Kimberley, Kimberley Dierkliniek**

Beef: 1

Pulpy Kidney

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (2)				2.3 (4)		1.8 (4)	1.3 (3)	2.5 (2)

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

Sheep	2.0 (2)				2.3 (4)		1.7 (3)	1.3 (3)	2.5 (2)
Goat							2.0 (1)		

Mpumalanga**Balfour, Balfour Dierkliniek**

Sheep: 1

Lydenburg, Longtom Dierkliniek

Sheep: 3

Free State**Bloemfontein, Dr Stephan Wessels**

Sheep: 3

Hoopstad, Hoopstad Dierekliniek

Sheep: 2

Reitz, Riemland Dierehospitaal

Sheep: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Eastern Cape**Aliwal North, Hertzogbrug Dierekliniek**

Sheep: 1

Graaff-Reinet, Camdeboo Veterinary Clinic

Sheep: 1, Goat: 2

Steynsburg, Steynsburg Dierehospitaal

Sheep: 3

Western Cape**Malmesbury, Malmesbury Dierehospitaal**

Sheep: 2

Riversdale, Riversdal Dierekliniek

Sheep: 1

Stellenbosch, Stellenbosch Animal Hospital

Sheep: 1

Northern Cape**Colesberg, Karoo Veterinary Hospital**

Sheep: 3

Kuruman, Kuruman Dierekliniek

Sheep: 2

Lamb dysentery

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

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

Sheep							2.0 (1)		
Goat									2.0 (1)

Eastern Cape**Steynsburg, Steynsburg Dierehospitaal**

Sheep: 2

Northern Cape**Postmasburg, Postmasburg Dierekliniek**

Goat: 2

Swelled head disease

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average	1.0 (1)	1.0 (1)
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Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef	1.0 (1)	1.0 (1)
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Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 1

Free State

Reitz, Riemland Dierehospitaal

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 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)				
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Dairy							2.0 (1)		
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Free State

Harrismith, Harrismith Dierehospitaal

Beef: 2

Reitz, Riemland Dierehospitaal

Beef: 1

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Dairy: 2

Blood gut (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 importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Sheep	2.0 (3)				2.0 (1)		2.0 (1)	2.0 (2)	2.0 (2)
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Mpumalanga

Ermelo, Môregloed Veterinêre Spreekkamer

Sheep: 1

Lydenburg, Longtom Dierekliniek

Sheep: 2

Volksrust, Cape Cross Volksrust Dierehospitaal

Sheep: 3

Free State

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Eastern Cape

Steynsburg, Steynsburg Dierehospitaal

Sheep: 2

Western Cape

George, George Animal Hospital

Sheep: 2

Heidelberg (WC), Heidelberg Dierekliniek

Sheep: 2

Northern Cape

De Aar, De Aar Veterinary Clinic

Sheep: 3

Kuruman, Kuruman Dierekliniek

Sheep: 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 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)				1.7 (3)			1.0 (1)	

Mpumalanga

Lydenburg, Longtom Dierekliniek

Sheep: 1

Free State

Bloemfontein, Dr Stephan Wessels

Sheep: 2

Kroonstad, Kroonstad Dierehospitaal

Sheep: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 1

Western Cape

Moorreesburg, Moorreesburg Dierekliniek

Beef: 1

Oudtshoorn, Ostrimed

Sheep: 1

Salmonellosis

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 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)			
Sheep				1.0 (1)					

North West

Christiana, Christiana Dierehospitaal

Sheep: 1

Free State

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 2

Kwazulu-Natal

Dundee, Endumeni Herd health

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

Beef	2.0 (2)	1.0 (1)	2.0 (1)	3.0 (4)	2.1 (7)		1.0 (1)		
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Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Middelburg , Middelburg Dierehospitaal

Beef: 3

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 1

Limpopo

Makhado, Blouberg Dierekliniek

Beef: 2

Eight cases

North West

Brits, Brits Dierekliniek

Beef: 3

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 3

Lichtenburg, Dr CM Kruger-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)			2.0 (1)	
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Mpumalanga

Ermelo, Mōregloed Veterinêre Spreekkamer

Sheep: 2

Free State

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Western Cape

Beaufort West, Beaufort Dierekliniek

Sheep: 2

Johne`s disease

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

Sheep								2.0 (1)	
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Western Cape

Caledon, Overberg Veterinary Hospital

Sheep: 2

Septicaemia

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average						1.0 (1)			
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Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef						1.0 (1)			
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Kwazulu-Natal

Dundee, Endumeni Herd health

Beef: 1

E. coli

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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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)
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Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef	2.2 (6)	2.0 (1)		2.3 (4)	2.4 (8)	1.7 (3)			
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Dairy							2.0 (1)	2.0 (2)	
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Sheep	2.0 (1)			3.0 (2)	2.2 (9)	3.0 (1)		2.0 (2)	3.0 (1)
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Mpumalanga

Balfour, Balfour Direkliniek

Beef: 2

Ermelo, Mōregloed Veterinêre Spreekkamer

Beef: 3

Lydenburg, Longtom Direkliniek

Beef: 3

Lydenburg, Lydenburg Dieresprekkamer

Beef: 2

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, Greylingrust Dieresprekkamer**

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**

Beef: 1

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

Western Cape**Beaufort West, Beaufort Dierekliniek**

Sheep: 2

Beaufort West, Beaufort West State Vet

Sheep: 2

Lambs in veldt camps

Caledon, Overberg Veterinary Hospital

Dairy: 2

Malmesbury, Invitrotech

Dairy: 2

Four cases of severe *E. coli* mastitis**Northern Cape****Upington, Upington Veeartsenykliniek**

Sheep: 3

E. coli meningitis and polyarthritis in 1 to 3 week old lambs on veldt. Ewes are fed. Two farms**Enzootic Abortion**

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

Level of 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)	
Goat							1.0 (1)		

Free State**Senekal, Senekal Dierekliniek**

Sheep: 2

Eastern Cape**Graaff-Reinet, Camdeboo Veterinary Clinic**

Goat: 1

Western Cape**Heidelberg (WC), Heidelberg Dierekliniek**

Sheep: 2

Intrauterine Gangrene

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

Goat									2.0 (1)
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Northern Cape**Postmasburg, Postmasburg Dierekliniek**

Goat: 2

Listeriosis									
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									
Sheep								2.0 (1)	
Western Cape									
Caledon, Overberg Veterinary Hospital									
Sheep: 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)			1.0 (2)		
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef		2.0 (1)		1.0 (1)			1.0 (1)		
Sheep							1.0 (1)		
Gauteng									
Nigel, Welgelegen Dierekliniek									
Beef: 2									
<i>Clostridium perfringens</i> - calf deaths									
Eastern Cape									
Aliwal North, Hertzogbrug Dierekliniek									
Sheep: 1									
Steynsburg, Steynsburg Dierehospitaal									
Beef: 1									
<i>Actinomyces bovis</i>									
Pasteurellosis									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average								1.0 (1)	2.0 (1)
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Sheep								1.0 (1)	2.0 (1)
Western Cape									
Beaufort West, Beaufort Dierekliniek									
Sheep: 1									
Northern Cape									
De Aar, De Aar Veterinary Clinic									

Sheep: 2
Young ewes

Klebsiella									
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

Dairy						2.0 (1)			
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Kwazulu-Natal
Estcourt, Estcourt Vet Clinic
Dairy: 2

Protozoal diseases (other)

Coccidiosis									
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 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)				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)

Mpumalanga
Lydenburg, Longtom Dierekliniek
Beef: 3, Sheep: 3, Goat: 2

Nelspruit, Nelspruit Animal Hospital
Goat: 2

Gauteng
Muldersdrift, Muldersdrift Animal Hospital
Beef: 3
Clves

Pretoria, Anima Veterinary Consulting Rooms
Sheep: 2

Limpopo
Makhado, Blouberg Dierekliniek
Sheep: 3
10 cases

Free State
Reitz, Riemland Dierehospitaal

Sheep: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 3

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Mooi River, Mooirivier Vet Clinic

Beef: 2, Sheep: 2, Goat: 1

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Dairy: 2

Calves

Bathurst, Dr Jane Pistorius

Goat: 1

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 1

Western Cape

Beaufort West, Beaufort West State Vet

Sheep: 1

Caledon, Overberg Veterinary Hospital

Sheep: 2

George, George Animal Hospital

Sheep: 3

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 2, Sheep: 2

Malmesbury, Groenkloof Dierekliniek

Beef: 2

Calves

Oudtshoorn, Oudtshoorn Dierekliniek

Sheep: 1

Riversdale, Riversdal Dierekliniek

Sheep: 2

Stellenbosch, Stellenbosch Animal Hospital

Sheep: 1

Northern Cape

Kuruman, Kuruman Dierekliniek

Beef: 2

Postmasburg, Postmasburg Dierekliniek

Goat: 2

Cryptosporidium

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

Beef	2.8 (4)	3.0 (1)			2.0 (4)	3.0 (4)			
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Dairy			2.0 (1)	3.0 (2)	2.0 (3)
Sheep	2.0 (1)	3.0 (1)	2.5 (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 extensive beef farms around Lydenburg

Middelburg, Middelburg Dierehospitaal

Beef: 3

Standerton, Econovet

Beef: 2

Volkswest, Cape Cross Volkswest Dierehospitaal

Beef: 3

Gauteng

Magaliesburg, Magaliesburg; Dr Ryan Jeffrey

Beef: 3

Calves

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 3

Free State

Bultfontein, Greylingrust Diersprekkamer

Beef: 3, Sheep: 3

Clocolan, Clocolan Dierekliniek

Beef: 2, Dairy: 2

Ficksburg, Oosvrystaat Dier 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 diseases

Ringworm

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	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 importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef	1.0 (1)	3.0 (1)	2.0 (1)	2.3 (3)	2.2 (6)	2.0 (3)		1.5 (2)	
Dairy							1.0 (1)	2.0 (3)	
Sheep		2.0 (1)							

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Gauteng

Magaliesburg, Magaliesburg; Dr Ryan Jeffrey

Beef: 3

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2

Limpopo

Makhado, Blouberg Dierekliniek

Beef: 2

Four cases

North West

Brits, Brits Dierekliniek

Beef: 3

Christiana, Christiana Dierehospitaal

Beef: 2

Ventersdorp, Ventersdorp Dierekliniek

Beef: 2

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 3

Harrismith, Harrismith Dierehospitaal

Beef: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 2

Reitz, Riemland Dierehospitaal

Beef: 1

Senekal, Senekal Dierekliniek

Beef: 1

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Underberg, Underberg Veterinary Surgery

Beef: 2

Eastern Cape

Humansdorp, Humansdorp Veterinary Clinic

Dairy: 1

Western Cape

Caledon, Overberg Veterinary Hospital

Beef: 2

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 2

Riversdale, Riversdal Dierekliniek

Dairy: 1

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1

Swellendam, Swellendam Dierehospitaal

Dairy: 3

Viral Diseases (other)

BMC (snotsiekte)

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

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

Beef	1.0 (1)			2.0 (1)	1.7 (3)	1.0 (1)	2.0 (1)		2.0 (1)
Dairy						2.0 (1)			

Mpumalanga

Middelburg , Middelburg Dierehospitaal

Beef: 1

North West

Ventersdorp, Ventersdorp Dierekliniek

Beef: 2

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 1

Smithfield, Freestate Smithfield SV

Beef: 2

One confirmed case Smithfield, waiting for one lab confirmation (Mohokare)

Kwazulu-Natal

Bergville, Tugela Vet Clinic

Beef: 1

Estcourt, Estcourt Vet Clinic

Dairy: 2

Eastern Cape

Alexandria, Riverview Trading Vet Consulting Services

Beef: 2

Northern Cape**Kimberley, Kimberley Dierekliniek**

Beef: 2

Rabies

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)					
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North West**Vryburg, Vryburg Prov Vet Laboratory**

Beef: 1

Mamusa

BVD (Bovine viral diarrhoea)

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

Beef	2.0 (2)				1.0 (1)			1.0 (1)	2.0 (1)
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Mpumalanga**Balfour, Balfour Dierekliniek**

Beef: 2

Lydenburg, Longtom Dierekliniek

Beef: 2

Late abortions, weak calves, was diagnosed by lab

Free State**Hoopstad, Hoopstad Dierekliniek**

Beef: 1

Western Cape**Darling, Tygerberg Dierehospitaal Darling**

Beef: 1

Northern Cape**Postmasburg, Postmasburg Dierekliniek**

Beef: 2

IBR (Infectious bovine rhinotracheitis)

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

Kwazulu-Natal

Bergville, Tugela Vet Clinic

Beef: 1

Pietermaritzburg, Veterinary House Hospital

Beef: 3

Underberg, Underberg Veterinary Surgery

Dairy: 2

Interstitial pneumonia, mostly in calves

Enzootic Bovine Leucosis (EBL)



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

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

Gauteng

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 1

Kwazulu-Natal

Estcourt, Estcourt Vet Clinic

Dairy: 2

Pietermaritzburg, Veterinary House Hospital

Beef: 1

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Dairy: 1

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Dairy: 2

Stellenbosch, Stellenbosch Animal Hospital

Dairy: 2

Orf



PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average	1.0 (1)		2.3 (4)	2.0 (2)	2.0 (2)	1.0 (1)	1.9 (7)
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Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

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)

Mpumalanga

Ermelo, Mōregloed Veterinêre Spreekkamer

Sheep: 1

North West

Christiana, Christiana Dierehospitaal

Sheep: 3

Klerksdorp, Klerksdorp Dierehospitaal

Sheep: 2, Goat: 2

Ventersdorp, Ventersdorp Dierekliniek

Goat: 2

Free State

Kroonstad, Kroonstad Dierehospitaal

Sheep: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Kwazulu-Natal

Estcourt, Estcourt Vet Clinic

Sheep: 3

Pietermaritzburg, Veterinary House Hospital

Sheep: 1

Eastern Cape

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 1

Western Cape

Beaufort West, Beaufort Dierekliniek

Sheep: 2

Beaufort West, Beaufort West State Vet

Sheep: 1

George, George Animal Hospital

Sheep: 3

Heidelberg (WC), Heidelberg Dierekliniek

Sheep: 1

Oudtshoorn, Ostrimed

Sheep: 2, Goat: 2

Riversdale, Riversdal Dierekliniek

Sheep: 2

Warts

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.3 (3)	2.5 (2)	2.0 (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

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)			

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Lydenburg, Longtom Dierekliniek

Beef: 2

Nelspruit, Nelspruit Animal Hospital

Beef: 1

Gauteng

Magaliesburg, Magaliesburg; Dr Ryan Jeffrey

Beef: 3

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2

Limpopo

Makhado, Blouberg Dierekliniek

Beef: 2

Five cases

North West

Christiana, Christiana Dierehospitaal

Beef: 2

Free State

Clocolan, Clocolan Dierekliniek

Beef: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 2

Wesselsbron, Wesselsbron Dierekliniek

Beef: 1

Kwazulu-Natal

Mtubatuba, Mtubatuba Animal Clinic

Beef: 1

Newcastle, Ncanduvet Newcastle

Sheep: 1

Underberg, Underberg Veterinary Surgery

Beef: 3

Vryheid, Vryheid Privaat Veeartse

Beef: 2

Eastern Cape

Steynsburg, Steynsburg Dierehospitaal

Beef: 2

Western Cape

Caledon, Caledon Dierekliniek

Beef: 1

George, George Animal Hospital

Beef: 2

Riversdale, Riversdal Dierekliniek

Dairy: 2

Northern Cape

Kimberley, Kimberley Dierekliniek

Beef: 3

Rota virus									
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 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)		
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Kwazulu-Natal

Estcourt, Estcourt Vet Clinic

Beef: 1

Newcastle, Ncanduvet Newcastle

Beef: 1

Eastern Cape

Alexandria, Riverview Trading Vet Consulting Services

Beef: 3

Corona Virus

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)			
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Kwazulu-Natal

Newcastle, Ncanduvet Newcastle

Beef: 1

Poisonings (Plant) and Fungal

Cardiac glycoside poisoning

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)				
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Sheep					1.0 (1)			2.0 (1)	
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Goat 1.0 (1)

Free State

Kroonstad, Kroonstad Dierehospitaal

Sheep: 1

Senekal, Senekal Dierekliniek

Beef: 1

Eastern Cape

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 1

Western Cape

Beaufort West, Beaufort West State Vet

Sheep: 2

Suspected tulip or witstorm toxicity

Cestrum

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average		2.0 (1)		1.0 (1)	1.0 (1)				
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Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef		2.0 (1)		1.0 (1)	1.0 (1)				
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Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 2

North West

Christiana, Christiana Dierehospitaal

Beef: 1

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 1

Cynanchum poisoning

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

Dairy								1.5 (2)	
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Western Cape

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 2

Riversdale, Riversdal Dierekliniek

Dairy: 1

Facial eczema [^](#)

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)	
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Free State

Reitz, Riemland Dierehospitaal

Sheep: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Western Cape

Heidelberg (WC), Heidelberg Dierekliniek

Sheep: 2

Riversdale, Riversdal Dierekliniek

Sheep: 2

Geeldikkop/Dikoor [^](#)

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

Sheep								2.0 (1)	
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Western Cape

Heidelberg (WC), Heidelberg Dierekliniek

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 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)								
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Mpumalanga

Middelburg, Middelburg Dierehospitaal

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

Beef	2.5 (2)		2.0 (1)	3.0 (1)		1.7 (3)			
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Mpumalanga

Ermelo, Mōregloed Veterinêre Spreekkamer

Beef: 3

Piet Retief, Pets Vet Hospital

Beef: 2

Limpopo

Makhado, Blouberg Direkliniek

Beef: 2

North West

Brits, Brits Direkliniek

Beef: 3

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Dundee, Endumeni Herd health

Beef: 1

Estcourt, Estcourt Vet Clinic

Beef: 2

Lupine Poisoning

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

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

Sheep								3.0 (1)	
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Western Cape

Piketberg, Piketberg Dierehospitaal

Sheep: 3

Overeating of sheep on lupins and wheat stubble due to grazing on lands not harvested as a result of drought conditions.

Nenta poisoning (Krimpsiekte)

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

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

Goat										1.0 (1)
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Eastern Cape

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 1

Nitrate poisoning

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

Dairy								2.0 (1)	
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Sheep								2.0 (1)	
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Western Cape

Caledon, Overberg Veterinary Hospital

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
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Average							2.0 (1)		
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Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Sheep							2.0 (1)		
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Eastern Cape

Steynsburg, Steynsburg Dierehospitaal

Sheep: 2

Rye grass poisoning

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

Sheep								3.0 (1)	
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Western Cape

Piketberg, Piketberg Dierehospitaal

Sheep: 3

Tulip Poisoning [^](#)

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 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)	2.0 (1)		2.0 (1)	2.0 (4)			1.0 (1)	
Dairy						3.0 (1)			
Sheep					2.0 (1)				

Mpumalanga

Ermelo, Mōregloed Veterinêre Spreekkamer

Beef: 2

Standerton, Econovet

Beef: 2

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 2

North West

Brits, Brits Dierekliniek

Beef: 2

Free State

Ladybrand, Ladybrand Dierekliniek

Beef: 2

Reitz, Riemland Dierehospitaal

Beef: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2, Sheep: 2

Vrede, Vrede Dierehospitaal

Beef: 2

Two cases

Kwazulu-Natal

Dundee, Endumeni Herd health

Dairy: 3

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Beef: 1

Mycotoxiosis [^](#)

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average		3.0 (1)						1.3 (3)	

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

Beef	3.0 (1)	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

Chinkrinchee poisoning

Poisonings

Urea Poisoning [^](#)

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

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

North West

Klerksdorp, Klerksdorp Dierehospitaal

Sheep: 1

Free State

Senekal, Senekal Dierekliniek

Beef: 1

Kwazulu-Natal

Mooi River, Mooirivier Vet Clinic

Beef: 1

Eastern Cape

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 2

Western Cape

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1

Snake Bite [^](#)

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

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

Beef		1.0 (1)			1.0 (1)				2.0 (1)
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Gauteng

Muldersdrift, Muldersdrift Animal Hospital

Beef: 1

Free State

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 1

Northern Cape

Kuruman, Kuruman Dierekliniek

Beef: 2

Copper Poisoning [^](#)

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

Sheep								1.5 (2)	
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Western Cape

Beaufort West, Beaufort Dierekliniek

Sheep: 2

Beaufort West, Beaufort West State Vet

Sheep: 1

Nuveld mountains

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

Beef	2.0 (1)								
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Goat		3.0 (1)							
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Mpumalanga

Grootvlei, Grootvlei Dierekliniek

Beef: 2

Gauteng

Hammanskraal, Themba Animal Clinic

Goat: 3

Other [^](#)

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
----------	------------	---------	---------	------------	------------	---------------	--------------	--------------	---------------

Average					1.0 (1)		3.0 (1)		
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Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef					1.0 (1)		3.0 (1)		
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Free State

Ficksburg, Oosvrystaat Diere Produkte

Beef: 1

Photosensitivity

Eastern Cape

Adelaide, Adelaide Veterinary Clinic

Beef: 3

Macro Nutritional Problems

Energy deficiency

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

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							2.5 (2)	2.0 (1)	
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

Balfour, Balfour Dierekliniék

Beef: 2, Sheep: 2

Grootvlei, Grootvlei Dierekliniék

Beef: 1

Lydenburg, Longtom Dierekliniék

Beef: 3, Sheep: 3

Lydenburg, Lydenburg Dieresprekkamer

Beef: 3

Nelspruit, Nelspruit Animal Hospital

Beef: 2

Gauteng

Hamanskraal, Themba Animal Clinic

Beef: 3, 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 Dierekliniék

Beef: 3, Sheep: 3

Stella, Stella Dierekliniék

Beef: 3

Ventersdorp, Ventersdorp Dierekliniék

Beef: 2

Free State

Clocolan, Clocolan Dierekliniék

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	North West	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)		2.5 (2)	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)		3.0 (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 Dieresprekkamer

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

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Underberg, Underberg Veterinary Surgery

Beef: 3

Drought

Vryheid, Vryheid Privaat Veeartse

Beef: 3

Eastern Cape**Aliwal North, Hertzogbrug Dierekliniek**

Beef: 2

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 2

Twin ewes with poor lactation

Humansdorp, Humansdorp Veterinary Clinic

Dairy: 2

Steynsburg, Steynsburg Dierehospitaal

Beef: 3, Sheep: 3

Western Cape**Malmesbury, Malmesbury Dierehospitaal**

Beef: 2, Dairy: 2, Sheep: 2

Northern Cape**De Aar, De Aar Veterinary Clinic**

Sheep: 3

Kuruman, Kuruman Dierekliniek

Beef: 3, Sheep: 2, Goat: 2

Phosphate deficiency

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

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

Free State**Wesselsbron, Wesselsbron Dierekliniek**

Dairy: 1

Kwazulu-Natal**Estcourt, Estcourt Vet Clinic**

Dairy: 3

Eastern Cape**Adelaide, Adelaide Veterinary Clinic**

Beef: 3

Pica, drought, animals chewing on plastic bags

Northern Cape**Kuruman, Kuruman Dierekliniek**

Beef: 3

Postmasburg, Postmasburg Direkliniek

Beef: 2, Goat: 2

Calcium deficiency

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 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)			
Dairy							2.0 (1)	2.0 (3)	
Sheep	2.0 (1)				2.0 (2)				

Mpumalanga**Balfour, Balfour Direkliniek**

Beef: 2, Sheep: 2

Free State**Ladybrand, Ladybrand Direkliniek**

Sheep: 2

Villiers, Wilgepoort Direkliniek Vennootskap

Sheep: 2

Kwazulu-Natal**Moi River, Mooirivier Vet Clinic**

Beef: 1

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Underberg, Underberg Veterinary Surgery

Beef: 3

Eastern Cape**Humansdorp, Humansdorp Veterinary Clinic**

Dairy: 2

Western Cape**Caledon, Overberg Veterinary Hospital**

Dairy: 2

Malmesbury, Malmesbury Dierehospitaal

Dairy: 2

Worcester, Durban Straat Direkliniek Worcester

Dairy: 2

Micro Nutritional Problems**Iodine deficiency**

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)
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Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Copper deficiency

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 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)		2.0 (1)	
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Sheep								1.0 (1)	
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Gauteng

Bronkhorstspuit, Kerkstraat Dierkliniek

Beef: 1

Calves dying with abomasum ulcers at about 2 months old.

Kwazulu-Natal

Underberg, Underberg Veterinary Surgery

Beef: 2

Western Cape

Darling, Tygerberg Dierhospitaal Darling

Beef: 2

Malmesbury, Malmesbury Dierhospitaal

Sheep: 1

Zinc deficiency

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)		2.0 (1)	
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Dairy							1.0 (1)		
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Kwazulu-Natal

Underberg, Underberg Veterinary Surgery

Beef: 2

Eastern Cape

Humansdorp, Humansdorp Veterinary Clinic

Dairy: 1

Western Cape

Darling, Tygerberg Dierhospitaal Darling

Beef: 2

Selenium deficiency [^](#)

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average		3.0 (1)				3.0 (1)	1.0 (1)		2.0 (2)

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

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

Gauteng

Magaliesburg, Magaliesburg; Dr Ryan Jeffrey

Beef: 3

Calves with white muscle disease

Kwazulu-Natal

Underberg, Underberg Veterinary Surgery

Beef: 3

Eastern Cape

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 1

Northern Cape

Postmasburg, Postmasburg Dierekliniek

Goat: 2

Upington, Upington Veeartsenykliniek

Sheep: 2

White livers in sheep lambs in one feedlot. Lucerne and feed pellets made mainly from lucern of lower orange river irrigation areas. Selenium deficiency, lambs do not produce (ill thrift)

Vitamin A deficiency [^](#)

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.2 (5)	2.5 (2)	3.0 (4)	2.0 (2)	

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

Beef					2.0 (3)	2.5 (2)	3.0 (1)	2.0 (1)	
Dairy							3.0 (1)	2.0 (1)	
Sheep					2.5 (2)		3.0 (1)		
Goat							3.0 (1)		

Free State

Clocolan, Clocolan Dierekliniek

Beef: 1

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2, Sheep: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Vryheid, Vryheid Privaat Veeartse

Beef: 3

Eastern Cape

Steynsburg, Steynsburg Dierehospitaal

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

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2

Vitamin B 1 deficiency

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 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)	
Goat						1.0 (1)			

Kwazulu-Natal

Camperdown, Camperdown Vet Clinic

Goat: 1

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Beef: 1, Sheep: 1

Multi-factorial Disease Conditions

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

Beef	2.0 (3)	2.0 (1)		2.3 (3)	2.0 (5)	1.4 (5)	2.0 (1)	2.0 (1)	1.0 (1)
Dairy					1.0 (1)			2.3 (4)	

Sheep	2.0 (1)	2.0 (1)	3.0 (1)	2.3 (3)	2.0 (1)
Goat					2.0 (1)

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 2

Lydenburg, Longtom Dierekliniek

Beef: 2, Sheep: 2

Middelburg, Middelburg Dierehospitaal

Beef: 2

Gauteng

Muldersdrift, Muldersdrift Animal Hospital

Beef: 2

Late stage

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2

North West

Brits, Brits Dierekliniek

Beef: 2

Christiana, Christiana Dierehospitaal

Beef: 3, Sheep: 3

Ventersdorp, Ventersdorp Dierekliniek

Beef: 2

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Kroonstad, Kroonstad Dierehospitaal

Beef: 2

Ladybrand, Ladybrand Dierekliniek

Beef: 1

Senekal, Senekal Dierekliniek

Dairy: 1, Sheep: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2, Sheep: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Bergville, Tugela Vet Clinic

Beef: 1

Dundee, Endumeni Herd health

Beef: 2

Estcourt, Estcourt Vet Clinic

Sheep: 2, Goat: 2

Mooi River, Mooirivier Vet Clinic

Beef: 1

Pietermaritzburg, Veterinary House Hospital

Beef: 1

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Beef: 2

Western Cape

Malmesbury, Dr Otto Kriek

Dairy: 2

Malmesbury, Invitrotech

Dairy: 2

Two cases; culled one animal

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2

Swellendam, Swellendam Dierehospitaal

Dairy: 3

Northern Cape

Kuruman, Kuruman Dierekliniek

Beef: 1

Stillbirths

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)				

Mpumalanga

Lydenburg, Longtom Dierekliniek

Beef: 2, Sheep: 2

Free State

Bultfontein, Greylingrust Dieresprekkamer

Beef: 2, Sheep: 2

Kroonstad, Kroonstad Dierehospitaal

Beef: 2

Ladybrand, Ladybrand Dierekliniek

Sheep: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Northern Cape

Kuruman, Kuruman Dierekliniek

Beef: 2

Abscesses

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, Greylingrust Diersprekkamer

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

Goat: 1

Underberg, Underberg Veterinary Surgery

Beef: 3, Sheep: 3

Eastern Cape

Graaff-Reinet, Camdeboo Veterinary Clinic

Sheep: 1

Steynsburg, Steynsburg Dierehospitaal

Sheep: 3

Western Cape

Malmesbury, Dr Otto Kriek

Dairy: 1

Oudtshoorn, Oudtshoorn Dierekliniek

Goat: 1

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

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.5 (4)	2.0 (1)		3.0 (2)	2.5 (4)	3.0 (1)		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	1.5 (2)	2.0 (1)		3.0 (1)	3.0 (1)			2.0 (1)	
Dairy					2.0 (1)	3.0 (1)		3.0 (1)	
Sheep	1.5 (2)			3.0 (1)	2.5 (2)			2.0 (1)	

Mpumalanga**Bethal, Bethal Dierekliniek**

Beef: 1

Ermelo, Mōregloed Veterinêre 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**

Dairy: 3

Western Cape**Malmesbury, Malmesbury Dierehospitaal**

Beef: 2, Dairy: 3, Sheep: 2

Bladder stones

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 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)				1.3 (3)			1.0 (1)	1.0 (1)

Mpumalanga

Bethal, Bethal Dierekliniek

Sheep: 1

Free State

Reitz, Riemland Dierehospitaal

Sheep: 1

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 1

Western Cape

Heidelberg (WC), Heidelberg Dierekliniek

Sheep: 1

Northern Cape

Kuruman, Kuruman Dierekliniek

Beef: 1, Sheep: 1

Blindness

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

Beef					2.0 (1)	2.0 (1)			
Dairy								2.0 (1)	
Sheep					1.5 (4)			1.5 (2)	
Goat									2.0 (1)

Free State

Clocolan, Clocolan Dierekliniek

Beef: 2

Kroonstad, Kroonstad Dierehospitaal

Sheep: 1

Philippolis, Rowelsfontein vearts Spreekkamer

Sheep: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 1

Closantel toxicity.

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Western Cape

Beaufort West, Beaufort West State Vet

Sheep: 1

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 2, Sheep: 2

Northern Cape

Postmasburg, Postmasburg Dierekliniek

Goat: 2

Bloat									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.3 (4)				2.0 (3)	1.7 (3)	2.0 (1)	2.0 (4)	2.0 (1)

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

Beef	1.0 (2)				1.0 (1)	1.7 (3)	2.0 (1)	2.0 (1)	
Dairy								2.0 (3)	
Sheep	1.5 (2)				2.5 (2)				
Goat									2.0 (1)

Mpumalanga

Lydenburg, Longtom Dierekliniek

Beef: 1, Sheep: 1

Piet Retief, Pets Vet Hospital

Sheep: 2

Volkstrust, Cape Cross Volksrust Dierehospitaal

Beef: 1

Free State

Hoopstad, Hoopstad Dierekliniek

Sheep: 3

Senekal, Senekal Dierekliniek

Beef: 1

Wesselsbron, Wesselsbron Dierekliniek

Sheep: 2

Kwazulu-Natal

Dundee, Endumeni Herd health

Beef: 2

Estcourt, Estcourt Vet Clinic

Beef: 1

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Eastern Cape

Alexandria, Riverview Trading Vet Consulting Services

Beef: 2

Western Cape

Malmesbury, Invitrotech

Dairy: 2

Two cases

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3

Stellenbosch, Stellenbosch Animal Hospital

Dairy: 1

Northern Cape

Kuruman, Kuruman Dierekliniek

Goat: 2

Blue udder									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.3 (3)				2.1 (7)		2.3 (3)	1.5 (6)	

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

Beef					2.0 (1)				
Sheep	1.3 (3)				2.2 (6)		2.3 (3)	1.5 (6)	

Mpumalanga

Balfour, Balfour Dierekliniek

Sheep: 1

Grootvlei, Grootvlei Dierekliniek

Sheep: 1

Lydenburg, Longtom Dierekliniek

Sheep: 2

Free State

Bultfontein, Greylingrust Diersprekkamer

Sheep: 2

Hoopstad, Hoopstad Dierekliniek

Sheep: 2

Kroonstad, Kroonstad Dierehospitaal

Sheep: 2

Ladybrand, Ladybrand Dierekliniek

Sheep: 2

Philippolis, Rowelsfontein veearts Spreekkamer

Sheep: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Vrede, Saulshoek Dierpraktyk

Beef: 2

Eastern Cape

Graaff-Reinet, Camdeboo Veterinary Clinic

Sheep: 2

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 [^](#)

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.3 (14)	2.3 (3)		2.7 (7)	2.8 (19)	2.3 (14)	1.7 (3)	2.2 (13)	2.0 (2)

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

Beef	2.4 (9)	3.0 (1)		2.8 (4)	2.8 (10)	2.7 (6)	1.0 (1)	1.5 (2)	
Dairy					2.0 (1)	2.0 (1)	3.0 (1)	2.3 (7)	
Sheep	2.0 (5)	3.0 (1)		2.7 (3)	2.9 (8)	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, Mōregloed 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 Dieresprekkamer

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, Greylingrust 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

Sheep: 2, Goat: 2

Moi River, Moirivier Vet Clinic

Beef: 2, Sheep: 2, Goat: 1

Underberg, Underberg Veterinary Surgery

Beef: 3, Sheep: 3

Vryheid, Vryheid Privaat Veeartse

Beef: 3

Diarrhoea (severe) reported by farmers

Eastern Cape**Humansdorp, Humansdorp Veterinary Clinic**

Dairy: 3

Uitenhage, Uitenhage Dierehospitaal

Beef: 1, Goat: 1

Western Cape**Caledon, Caledon Dierekliniek**

Beef: 1, Dairy: 2

Caledon, Overberg Veterinary Hospital

Dairy: 2, Sheep: 2

Darling, Tygerberg Dierehospitaal Darling

Dairy: 2

Malmesbury, Dr Otto Kriek

Dairy: 2

Malmesbury, Invitrotech

Dairy: 2

Three cases

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3, Sheep: 3

Moorreesburg, Moorreesburg Dierekliniek

Sheep: 3

Riversdale, Riversdal Dierekliniek

Sheep: 2

Swellendam, Swellendam Dierehospitaal

Dairy: 3

Northern Cape**Kuruman, Kuruman Dierekliniek**

Sheep: 2, Goat: 2

Epididymitis									
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 importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Sheep					1.0 (1)			1.0 (1)	
Free State									
Kroonstad, Kroonstad Dierehospitaal									
Sheep: 1									
Western Cape									
Swellendam, Swellendam Dierehospitaal									
Sheep: 1									

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 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 (6)	2.6 (9)	3.0 (1)	2.3 (3)	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)

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 2, Sheep: 2

Ermelo, Môregloed Veterinêre Spreekkamer

Beef: 2

Grootvlei, Grootvlei Dierekliniek

Beef: 2

Hendrina, Mooiplaas Veterinêre Dienste

Beef: 3

Lydenburg, Longtom Dierekliniek

Beef: 3, Sheep: 2

Middelburg, Middelburg Dierehospitaal

Beef: 1

Nelspruit, Nelspruit Animal Hospital

Beef: 2

Volksrust, Cape Cross Volksrust Dierehospitaal

Sheep: 3

Pink eye

North West

Christiana, Christiana Dierehospitaal

Beef: 3

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 3, Sheep: 3

Stella, Stella Dierekliniek

Beef: 3

Ventersdorp, Ventersdorp Dierekliniek

Beef: 3

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 3

Clocolan, Clocolan Dierekliniek

Beef: 2

Ficksburg, Oosvrystaat Dier Produkte

Beef: 2, Sheep: 2

Ladybrand, Ladybrand Dierekliniek

Beef: 3

Philippolis, Rowelsfontein veearts Spreekkamer

Sheep: 3

Reitz, Riemland Dierehospitaal

Beef: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3, Sheep: 3

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 3

Dundee, Endumeni Herd health

Beef: 2, Dairy: 2

Estcourt, Estcourt Vet Clinic

Beef: 3, Dairy: 3

Mooi River, Mooirivier Vet Clinic

Beef: 1

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Newcastle, Ncanduvet Newcastle

Beef: 3, Sheep: 1

Pietermaritzburg, Veterinary House Hospital

Beef: 3

Underberg, Underberg Veterinary Surgery

Beef: 3

Vryheid, Vryheid Privaat Veeartse

Beef: 3

Eastern Cape**Alexandria, Riverview Trading Vet Consulting Services**

Beef: 3

Graaff-Reinet, Graaff Reinet Veterinary Clinic

Sheep: 2, Goat: 2

Western Cape**Caledon, Caledon Dierekliniek**

Beef: 1

Malmesbury, Groenkloof Dierekliniek

Beef: 3

Calves

Malmesbury, Malmesbury Dierehospitaal

Beef: 3, Dairy: 3, Sheep: 2

Oudtshoorn, Ostrimed

Sheep: 2

Northern Cape**Calvinia, Calvinia Veeartskliniek**

Sheep: 3

Kuruman, Kuruman Dierekliniek

Beef: 2

Postmasburg, Postmasburg Dierekliniek

Goat: 2

Joint Ill

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.3 (3)			3.0 (2)	1.3 (3)	1.7 (3)	1.0 (2)	1.0 (2)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	1.0 (2)			3.0 (1)	1.0 (1)	2.0 (1)			
Dairy					1.0 (1)	1.0 (1)	1.0 (1)	1.0 (1)	
Sheep	2.0 (1)			3.0 (1)	2.0 (1)	2.0 (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

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

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

Beef: 1

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, Greylingrust Diersprekkamer**

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

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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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)
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Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

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)		

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 2

Bethal, Bethal Dierekliniek

Sheep: 1

Ermelo, Mōregloed Veterinêre Spreekkamer

Beef: 2

Grootvlei, Grootvlei Dierekliniek

Beef: 2

Lydenburg, Longtom Dierekliniek

Beef: 2, Sheep: 2

Lydenburg, Lydenburg Dieresprekkamer

Dairy: 1

Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 3

Gauteng

Magaliesburg, Magaliesburg; Dr Ryan Jeffrey

Beef: 3

Pasteurellosis in calves in feedlot

Pretoria, Anima Veterinary Consulting Rooms

Sheep: 2

North West

Christiana, Christiana Dierehospitaal

Beef: 3, Sheep: 3

Free State

Clocolan, Clocolan Dierekliniek

Beef: 2, Dairy: 2, Sheep: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 2, Sheep: 3

Ladybrand, Ladybrand Dierekliniek

Beef: 3, Sheep: 3

Memel, Memel Veterinary Clinic

Beef: 1

Viljoenskroon, Viljoenskroon Dierekliniek

Beef: 3, Sheep: 3

Vrede, Vrede Dierehospitaal

Beef: 2

Three cases

Sheep: 2

Two cases

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)			

Mpumalanga

Balfour, Balfour Dierekliniek

Dairy: 1

Lydenburg, Longtom Dierekliniek

Dairy: 1

Lydenburg, Lydenburg Dieresprekkamer

Dairy: 1

Middelburg, Middelburg Dierehospitaal

Beef: 1

Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 1

Gauteng

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 3

North West

Christiana, Christiana Dierehospitaal

Beef: 2

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 3

Senekal, Senekal Dierekliniek

Dairy: 3

Kwazulu-Natal

Bergville, Tugela Vet Clinic

Beef: 1

Estcourt, Estcourt Vet Clinic

Dairy: 2, Goat: 1

Mooi River, Mooirivier Vet Clinic

Beef: 3

Pongola, Pongola Animal Clinic

Beef: 2

Orphan calves

Underberg, Underberg Veterinary Surgery

Dairy: 3

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Dairy: 2

Graaff-Reinet, Camdeboo Veterinary Clinic

Sheep: 2

Uitenhage, Uitenhage Dierehospitaal

Dairy: 1

Western Cape

Caledon, Caledon Dierekliniek

Dairy: 2

Darling, Tygerberg Dierehospitaal Darling

Dairy: 2

George, Dr Mark Chimes

Dairy: 3

In die Belfast area, Mpumalanga.

George, George Animal Hospital

Dairy: 3

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 2

Malmesbury, Dr Otto Kriek

Dairy: 3

Malmesbury, Invitrotech

Dairy: 1

Culled one animal due to poor udder conformation

Malmesbury, Malmesbury Dierehospitaal

Dairy: 3

Swellendam, Swellendam Dierehospitaal

Dairy: 3

Worcester, Durban Straat Dierekliniek Worcester

Sheep: 2

Navel III

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	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 importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

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

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Lydenburg, Longtom Dierekliniek

Beef: 2

North West

Christiana, Christiana Dierehospitaal

Beef: 1

Free State

Kroonstad, Kroonstad Dierehospitaal

Sheep: 2

Ladybrand, Ladybrand Dierekliniek

Sheep: 1

Wesselsbron, Wesselsbron Dierekliniek

Beef: 1

Kwazulu-Natal**Dundee, Endumeni Herd health**

Beef: 1

Newcastle, Ncanduvet Newcastle

Sheep: 1

Eastern Cape**Graaff-Reinet, Camdeboo Veterinary Clinic**

Sheep: 1

Western Cape**Darling, Tygerberg Dierehospitaal Darling**

Dairy: 2

Malmesbury, Malmesbury Dierehospitaal

Dairy: 1

Red gut (Sheep) torsion of the gut

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

Mpumalanga**Lydenburg, Longtom Dierekliniek**

Dairy: 2

Volkswest, Cape Cross Volkswest Dierehospitaal

Goat: 3

Northern Cape**Calvinia, Calvinia Veeartskliniek**

Sheep: 3

Kimberley, Kimberley Dierekliniek

Sheep: 3

Trauma

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

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

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

Sheep	2.0 (1)
Goat	1.0 (1)

Mpumalanga

Lydenburg, Longtom Dierekliniek

Beef: 2, Sheep: 2

Kwazulu-Natal

Camperdown, Camperdown Vet Clinic

Beef: 2, Goat: 1

Western Cape

Malmesbury, Invitrotech

Dairy: 3

Slipped on cement, 12 cases; culled 15 animals

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1

Northern Cape

Kimberley, Kimberley Dierekliniek

Beef: 2

Bruised carcasses

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

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)

Mpumalanga

Bethal, Bethal Dierekliniek

Beef: 1

Lydenburg, Longtom Dierekliniek

Beef: 2

Nelspruit, Nelspruit Animal Hospital

Beef: 2

Volkstrust, Cape Cross Volkstrust Dierehospitaal

Beef: 1

Gauteng

Hammanskraal, Themba Animal Clinic

Beef: 1

Nigel, Welgelegen Dierekliniek

Beef: 2

Unknown diagnosis

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 2

Five cases (protein, energy malnutrition – PEM).

Free State**Bultfontein, Greylingrust Dieresprekkamer**

Beef: 1, Sheep: 3

Ficksburg, Oosvrystaat Diere Produkte

Beef: 3

Communal farmers, poor condition

Sheep: 3

Poor condition

Kroonstad, Kroonstad Dierehospitaal

Beef: 2

Kwazulu-Natal**Bergville, Bergville Veterinary Clinic**

Beef: 2

Estcourt, Estcourt Vet Clinic

Beef: 1

Mtubatuba, Mtubatuba Animal Clinic

Beef: 2

Drought

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Pongola, Pongola Animal Clinic

Beef: 3

Poor nutrition

Eastern Cape**Adelaide, Adelaide Veterinary Clinic**

Beef: 3

Animals dying in communal areas due to drought

Western Cape**Malmesbury, Invitrotech**

Dairy: 3

Sixteen cases; culled 29

Swellendam, Swellendam Dierehospitaal

Dairy: 2

Northern Cape**Kuruman, Kuruman Dierekliniek**

Beef: 2, Sheep: 2

Postmasburg, Postmasburg Dierekliniek

Beef: 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	2.0 (1)								

Mpumalanga**Bethal, Bethal Dierekliniek**

Sheep: 2

Poor nutritional status due to drought

Gauteng

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)

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)

Mpumalanga

Lydenburg, Longtom Dierekliniek

Beef: 1

Metabolic Diseases

Acidosis

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.0 (8)	2.3 (4)	2.0 (1)	2.3 (12)	

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 (2)	
Dairy						2.5 (2)		2.7 (3)	
Sheep					2.0 (7)	1.0 (1)	2.0 (1)	2.1 (7)	

Free State

Clocolan, Clocolan Dierekliniek

Sheep: 2

Hoopstad, Hoopstad Dierekliniek

Sheep: 3

Ladybrand, Ladybrand Dierekliniek

Sheep: 2

Memel, Memel Veterinary Clinic

Sheep: 2

Reitz, Riemland Dierehospitaal

Sheep: 1

Senekal, Senekal Direkliniek

Sheep: 2

Vrede, Vrede Dierehospitaal

Beef: 2

Three cases

Wesselsbron, Wesselsbron Direkliniek

Sheep: 2

Kwazulu-Natal

Dundee, Endumeni Herd health

Dairy: 2

Estcourt, Estcourt Vet Clinic

Dairy: 3, Sheep: 1

Pietermaritzburg, Veterinary House Hospital

Beef: 3

Eastern Cape

Witelsbos, Witelsbos Veterinary Consulting Rooms

Sheep: 2

Western Cape

Beaufort West, Beaufort Direkliniek

Sheep: 1

Beaufort West, Beaufort West State Vet

Sheep: 2

Sheep were not adapted to nutritional changes

Caledon, Overberg Veterinary Hospital

Dairy: 3, Sheep: 3

Heidelberg (WC), Heidelberg Direkliniek

Sheep: 2

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3, Sheep: 2

Moorreesburg, Moorreesburg Direkliniek

Sheep: 3

Riversdale, Riversdal Direkliniek

Sheep: 2

Swellendam, Swellendam Dierehospitaal

Dairy: 2

Vredenburg, Vredenburg Dierehospitaal

Beef: 2

Gate left open, 8 cattle died

Displaced abomasum									^
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 importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Dairy						2.0 (3)		1.5 (2)	

Kwazulu-Natal**Dundee, Endumeni Herd health**

Dairy: 2

Estcourt, Estcourt Vet Clinic

Dairy: 2

Underberg, Underberg Veterinary Surgery

Dairy: 2

Three on one farm

Western Cape**Malmesbury, Invitrotech**

Dairy: 1

Malmesbury, Malmesbury Dierehospitaal

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

Dairy						2.0 (1)	1.0 (1)	3.0 (1)	
Sheep	1.5 (2)				1.7 (3)		3.0 (1)	1.5 (2)	

Mpumalanga**Grootvlei, Grootvlei Dierekliniek**

Sheep: 1

Lydenburg, Longtom Dierekliniek

Sheep: 2

Sheep pregnant with twins and triplets, condition score 4-5/5, all saved with propylene glycol, some had to be dripped with ringers with added glucose. All saved

Free State**Hoopstad, Hoopstad Dierekliniek**

Sheep: 1

Senekal, Senekal Dierekliniek

Sheep: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Kwazulu-Natal**Estcourt, Estcourt Vet Clinic**

Dairy: 2

Eastern Cape**Alexandria, Alexandria Platteland Spreekkamer**

Dairy: 1

Steynsburg, Steynsburg Dierehospitaal

Sheep: 3

Western Cape**Caledon, Caledon Dierekliniek**

Sheep: 1

Caledon, Overberg Veterinary Hospital

Sheep: 2

Malmesbury, Malmesbury Dierehospitaal

Dairy: 3

Milk Fever

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 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)				

Mpumalanga

Lydenburg, Longtom Dierekliniek

Beef: 2

Gauteng

Magaliesburg, Magaliesburg; Dr Ryan Jeffrey

Beef: 3

Free State

Bultfontein, Greylingrust Dieresprekkamer

Sheep: 2

Clocolan, Clocolan Dierekliniek

Sheep: 1

Ladybrand, Ladybrand Dierekliniek

Sheep: 1

Kwazulu-Natal

Dundee, Endumeni Herd health

Dairy: 1

Western Cape

Caledon, Overberg Veterinary Hospital

Dairy: 2

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 2

Malmesbury, Malmesbury Dierehospitaal

Dairy: 3

Riversdale, Riversdal Dierekliniek

Dairy: 1

Stellenbosch, Stellenbosch Animal Hospital

Dairy: 1

Reproductive diseases

Dystocia (Difficult Births)

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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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)
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Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

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)

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 2

Bethal, Bethal Dierekliniek

Beef: 2, Sheep: 1

Ermelo, Mōregloed Veterinêre Spreekkamer

Beef: 2

Grootvlei, Grootvlei Dierekliniek

Beef: 2, Sheep: 2

Lydenburg, Longtom Dierekliniek

Beef: 2, Sheep: 2

Lydenburg, Lydenburg Dieresprekkamer

Beef: 1

Middelburg, Middelburg Dierehospitaal

Beef: 3

Piet Retief, Pets Vet Hospital

Beef: 2

Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 3

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 2, Sheep: 2, Goat: 1

Hammanskraal, Themba Animal Clinic

Sheep: 1

Magaliesburg, Magaliesburg; Dr Ryan Jeffrey

Beef: 3

Muldersdrift, Muldersdrift Animal Hospital

Beef: 3

Dystocia and caesarean

Pretoria, Anima Veterinary Consulting Rooms

Beef: 1

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 2

Four cases

Sheep: 1

Limpopo

Modimolle, Kranskop Dierekliniek

Beef: 2

Two cows with too large calves

Sheep: 2

North West

Brits, Brits Dierekliniek

Beef: 2, Sheep: 2

Christiana, Christiana Dierehospitaal

Beef: 3

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**

Beef: 2

Bultfontein, Greylingrust Dieresprekkamer

Beef: 2, Sheep: 3

Clocolan, Clocolan Dierekliniek

Beef: 2, Sheep: 2

Ficksburg, Oosvrystaat Dier 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

Beef: 1

Camperdown, Camperdown Vet Clinic

Goat: 1

Rectovaginal tear

Dundee, Endumeni Herd health

Beef: 3

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

Dairy: 2

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

Beef: 1

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

Beef: 2

Swellendam, Swellendam Dierehospitaal

Dairy: 2

Worcester, Durban Straat Dierekliniek Worcester

Dairy: 2

Northern Cape

Kuruman, Kuruman Dierekliniek

Beef: 2

Postmasburg, Postmasburg Dierekliniek

Beef: 2, Sheep: 2, Goat: 2

Endometritis

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 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					2.0 (2)			3.0 (4)	

Free State

Kroonstad, Kroonstad Dierehospitaal

Dairy: 2

Senekal, Senekal Dierekliniek

Dairy: 2

Kwazulu-Natal

Dundee, Endumeni Herd health

Beef: 1

Western Cape

Caledon, Caledon Dierekliniek

Dairy: 3

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 3

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3

Swellendam, Swellendam Dierehospitaal

Dairy: 3

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

Beef				3.0 (1)	2.0 (1)	1.0 (1)		2.0 (1)	
Dairy					2.0 (1)	2.5 (2)	1.0 (1)	2.4 (5)	
Sheep				3.0 (1)			2.0 (1)		

North West

Christiana, Christiana Dierehospitaal

Beef: 3, Sheep: 3

Free State**Bloemfontein, Dr Stephan Wessels**

Beef: 2

Kroonstad, Kroonstad Dierehospitaal

Dairy: 2

Kwazulu-Natal**Estcourt, Estcourt Vet Clinic**

Dairy: 3

Mooi River, Mooirivier Vet Clinic

Beef: 1

Underberg, Underberg Veterinary Surgery

Dairy: 2

Eastern Cape**Graaff-Reinet, Graaff Reinet Veterinary Clinic**

Sheep: 2

Humansdorp, Humansdorp Veterinary Clinic

Dairy: 1

Western Cape**Caledon, Caledon Dierekliniek**

Dairy: 3

Darling, Tygerberg Dierehospitaal Darling

Dairy: 2

Malmesbury, Dr Otto Kriek

Dairy: 1

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 3

Swellendam, Swellendam Dierehospitaal

Dairy: 3

Poor conception

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)			1.5 (2)	2.3 (3)	2.0 (3)	2.7 (3)	2.3 (6)	

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

Beef	2.0 (1)			1.5 (2)	3.0 (1)	1.5 (2)	3.0 (1)	2.0 (1)	
Dairy						3.0 (1)	3.0 (1)	2.5 (4)	
Sheep					2.0 (2)		2.0 (1)	2.0 (1)	

Mpumalanga**Middelburg, Middelburg Dierehospitaal**

Beef: 2

North West**Christiana, Christiana Dierehospitaal**

Beef: 1

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 2

Free State

Ficksburg, Oosvrystaat Diere Produkte

Sheep: 2

Farmers believe it is too expensive to feed animals

Ladybrand, Ladybrand Dierekliniek

Beef: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Kwazulu-Natal

Dundee, Endumeni Herd health

Beef: 2

Mooi River, Mooirivier Vet Clinic

Beef: 1

Underberg, Underberg Veterinary Surgery

Dairy: 3

Early foetal death on scanning

Eastern Cape

Humansdorp, Humansdorp Veterinary Clinic

Dairy: 3

Steynsburg, Steynsburg Dierehospitaal

Beef: 3

Witelsbos, Witelsbos Veterinary Consulting Rooms

Sheep: 2

Western Cape

Caledon, Caledon Dierekliniek

Dairy: 3

Malmesbury, Invitrotech

Dairy: 2

Culled 5 animals

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2, Sheep: 2

Swellendam, Swellendam Dierehospitaal

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

Beef	1.3 (3)			3.0 (2)	2.0 (3)	1.8 (5)			2.0 (1)
Dairy							1.0 (1)	2.0 (4)	
Sheep	2.0 (1)								

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Grootvlei, Grootvlei Dierekliniek

Beef: 1

Lydenburg, Longtom Dierekliniek

Beef: 2, Sheep: 2

North West

Christiana, Christiana Dierehospitaal

Beef: 3

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 3

Free State

Bloemfontein, Dr Stephan Wessels

Beef: 2

Bultfontein, Greylingrust Dieresprekkamer

Beef: 2

Kroonstad, Kroonstad Dierehospitaal

Beef: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Camperdown, Camperdown Vet Clinic

Beef: 1

Dundee, Endumeni Herd health

Beef: 2

Mooi River, Mooirivier Vet Clinic

Beef: 1

Newcastle, Ncanduvet Newcastle

Beef: 3

Eastern Cape

Alexandria, Alexandria Platteland Sprekkamer

Dairy: 1

Western Cape

Darling, Tygerberg Dierehospitaal Darling

Dairy: 3

Malmesbury, Dr Otto Kriek

Dairy: 1

Malmesbury, Malmesbury Dierehospitaal

Dairy: 3

Stellenbosch, Stellenbosch Animal Hospital

Dairy: 1

Northern Cape

Kuruman, Kuruman Dierekliniek

Beef: 2

Sheath Prolaps									^
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 importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef		1.0 (1)				2.0 (1)			1.0 (1)
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Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 1

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Northern Cape

Kimberley, Kimberley Dierekliniek

Beef: 1

Prolaps, lamina interna

Uterus prolaps

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern 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 importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

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)				

Mpumalanga

Bethal, Bethal Dierekliniek

Beef: 1

Ermelo, Mōregloed Veterinêre Spreekkamer

Beef: 2

Grootvlei, Grootvlei Dierekliniek

Beef: 2, Sheep: 2

Lydenburg, Longtom Dierekliniek

Beef: 2, Sheep: 2

Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 2, Sheep: 3

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 2

North West

Brits, Brits Dierekliniek

Dairy: 2

Free State

Clocolan, Clocolan Dierekliniek

Beef: 2

Ficksburg, Oosvrystaat Dier Produkte

Beef: 2, Sheep: 2

Harrismith, Harrismith Dierehospitaal

Beef: 2

Kroonstad, Kroonstad Dierehospitaal

Sheep: 2

Memel, Memel Veterinary Clinic

Beef: 2

Reitz, Riemland Dierehospitaal

Beef: 2

Senekal, Senekal Dierekliniek

Beef: 2, Sheep: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Vrede, Vrede Dierehospitaal

Beef: 2

Six cases

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 2

Dundee, Endumeni Herd health

Beef: 2

Eshowe, Eshowe Veterinary Hospital

Beef: 1

Estcourt, Estcourt Vet Clinic

Beef: 2

Pietermaritzburg, Veterinary House Hospital

Beef: 1

Eastern Cape

Aliwal North, Hertzogbrug Dierekliniek

Beef: 1

Steynsburg, Steynsburg Dierehospitaal

Beef: 2

Western Cape

George, George Animal Hospital

Dairy: 1

Heidelberg (WC), Heidelberg Dierekliniek

Dairy: 1

Malmesbury, Malmesbury Dierehospitaal

Beef: 1

Riversdale, Riversdal Dierekliniek

Dairy: 1

Northern Cape

Kimberley, Kimberley Dierekliniek

Beef: 2

Postmasburg, Postmasburg Dierekliniek

Beef: 2

Vaginal (Cervical) prolaps

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

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)	

Sheep

2.0 (1)

2.0
(4)

1.0 (1)

Mpumalanga

Bethal, Bethal Dierekliniek

Beef: 2

Ermelo, Môregloed Veterinêre Spreekkamer

Beef: 2

Grootvlei, Grootvlei Dierekliniek

Beef: 2, Sheep: 2

Nelspruit, Nelspruit Animal Hospital

Beef: 1

Volksrust, Cape Cross Volksrust Dierehospitaal

Beef: 2

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 1

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 2

North West

Brits, Brits Dierekliniek

Beef: 2

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 3

Free State

Bultfontein, Greylingrust Diersprekkamer

Sheep: 2

Clocolan, Clocolan Dierekliniek

Beef: 1

Ficksburg, Oosvrystaat Dier 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

Beef: 2

Pietermaritzburg, Veterinary House Hospital

Beef: 2

Eastern Cape**Aliwal North, Hertzogbrug Dierekliniek**

Beef: 2

Western Cape**George, George Animal Hospital**

Beef: 2

Riversdale, Riversdal Dierekliniek

Sheep: 1

Worcester, Durban Straat Dierekliniek Worcester

Dairy: 1

Northern Cape**Kuruman, Kuruman Dierekliniek**

Beef: 1

Climatical Cause**Cold exposure**

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

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

Beef						1.0 (1)			
Sheep								2.0 (1)	

Kwazulu-Natal**Camperdown, Camperdown Vet Clinic**

Beef: 1

Western Cape**Caledon, Overberg Veterinary Hospital**

Sheep: 2

Drought

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.4 (5)	3.0 (1)	3.0 (3)		3.0 (3)	2.5 (2)	3.0 (9)	3.0 (1)	3.0 (7)

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

Beef	2.3 (3)	3.0 (1)	3.0 (1)		3.0 (1)	2.5 (2)	3.0 (3)		3.0 (2)
Dairy							3.0 (1)		
Sheep	2.5 (2)		3.0 (1)		3.0 (2)		3.0 (3)	3.0 (1)	3.0 (3)
Goat			3.0 (1)				3.0 (2)		3.0 (2)

Mpumalanga

Lydenburg, Longtom Dierekliniék

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 Dierekliniék**

Beef: 3

Severe

Sheep: 3, Goat: 3

Free State**Philippolis, Rowelsfontein veearts Spreekkamer**

Sheep: 3

Villiers, Wilgepoort Dierekliniék 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 Dierekliniék**

Sheep: 3

Northern Cape**De Aar, De Aar Veterinary Clinic**

Sheep: 3

Kuruman, Kuruman Dierekliniék

Beef: 3, Sheep: 3, Goat: 3

Postmasburg, Postmasburg Dierekliniék

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

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

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Kwazulu-Natal

Dundee, Endumeni Herd health

Beef: 1

Estcourt, Estcourt Vet Clinic

Dairy: 3

Underberg, Underberg Veterinary Surgery

Dairy: 3

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Beef: 2, Dairy: 2, Sheep: 2

Lightning

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 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)				
Sheep					2.0 (2)				

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Lydenburg, Longtom Dierekliniek

Beef: 2

Free State

Clocolan, Clocolan Dierekliniek

Sheep: 1

Memel, Memel Veterinary Clinic

Beef: 2, Sheep: 3

Non specific diseases

Genetic disorders

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average	1.0 (1)
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Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported

Beef	1.0 (1)
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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)				
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Sheep	2.0 (1)				2.5 (4)		2.0 (1)		
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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

Sabotage/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)

Mpumalanga

Lydenburg, Longtom Dierekliniek

Beef: 3, Sheep: 3

Free State

Clocolan, Clocolan Dierekliniek

Beef: 3, Dairy: 2, Sheep: 3

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 2

Kwazulu-Natal

Bergville, Bergville Veterinary Clinic

Beef: 3

Eastern Cape

Steynsburg, Steynsburg Dierehospitaal

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

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 2

Fractures, 4 cases

Goat: 1

Laceration

Western Cape

Worcester, Durban Straat Dierekliniek Worcester

Sheep: 1

Veld fires [^](#)

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 Dierhospitaal Darling							
Beef: 2							