

Monthly report on livestock disease trends as informally reported by veterinarians in South Africa

February 2014

Introduction and summary of diseases and other conditions during February 2014

For the month of February 2014, 104 reports were received from veterinarians belonging to the Livestock Health and Production Group of the South African Veterinary Association. In addition reports were received from feedlot consultants and laboratories.

Internal parasites

Roundworms (wireworm)

In many areas of the country good rains fell. For the hatching of internal parasite's eggs and survival of infective larvae, sufficient water (rain, irrigation) is needed. Reports of heavy mortalities due to wireworm infestation were received. It is so important that the correct anthelmintic group(s) for treatment is given to animals as anthelmintic resistance is rife on many farms. Your veterinarian can assist you by doing a faecal egg count reduction test. By doing this test it can be assessed which anthelmintic groups on the farm are still able to control the internal roundworms on the farm.

As the worm burdens are presently so high it is now the time to select sheep on your farm which is adapted to live with their parasites. If you are not using the Five Point check management system contact your veterinarian for more information.

Attached is a document on holistic parasite management which could be of help.

Liver fluke worms

Autumn is round the corner and soon animals will be put to grazing in vleis where standing water is the ideal breeding place for water snails, the intermediate hosts for liver fluke. It is therefore important that animals are treated for liver fluke infestation before they come in contact with the snails to prevent them becoming infected. Your veterinarian will be able to advise you which actives to use.

External parasites

After the rains and hot weather tick numbers have increased and with that the tick transmitted diseases such as African and Asiatic redwater, anaplasmosis and heartwater. Make sure that the actives used for tick control is still controlling ticks satisfactorily. Tests can be done on ticks to assess the efficacy of the acaricides used. Contact your veterinarian for information.

Venereal diseases

It is so important to keep biosecurity measures regarding venereal (**trichomonosis and vibriosis**) diseases in tact. Now is the time to assess conception rates in the flock or herd through pregnancy examinations and scanning. By testing bulls coming out of the herd, it can be established if there are venereal diseases present in the herd and corrective actions can be taken.

Insect borne diseases

Large outbreaks of **blue tongue, lumpy skin disease, three day stiff sickness** and **African horse sickness** were recorded. It is so important that animals are vaccinated annually in August, before the rainy season commence, for these diseases. It is so important to notice that some animals do not immunize well due to poor nutritional status and underlying diseases such as **BVD** and **enzootic abortion**. It could also be due to vaccine failure such as poor vaccine management. If outbreaks still occur, move animals away from water bodies and spray them with an insect repellent.

No reports of **Rift Valley fever** and **Wesselsbron** disease outbreaks were received. I hope farmers vaccinated their animals as conditions are excellent for the breeding of mosquitoes.

Zoonotic diseases

Rabies cases were reported and bovine brucellosis continues to be a big concern. Test animals for **brucellosis** and remove positive animals from the farm. Be carefull when animals are bought and quarantine and test them before they are introduced into the herd.

Remember to vaccinate heifers with strain 19 vaccine **before** the age of 8 months.

Bacterial diseases

Bacterial diseases can be controlled through properly planned vaccination programmes. As each farm has unique conditions plan and adjust programmes with the help of your veterinarian. It is important to update the programme continuously.

Viral diseases

Bovine respiratory disease (PI 3, IBR, BVD, BRSV) can be controlled through vaccinations. As can be seen from reports pneumonia is not only a winter problem but is reported throughout the year. Vaccines are available to help you limit these losses.

Poisonings

The following poisonings were reported:

Cardiac glycoside -tulip, ink berry, *Cynanchum* (klimop), facial eczema, geeldikkop, kikuyu, *Lantana*, onion, succulent plants, prussic acid, rye grass, amitraz, urea, acidosis and hypo. Snake bites were also reported.

Illegal products

There are many illegal products being sold to farmers. Use only products that

have been registered according to Act 36 of 1947. If a specific claim is being made for example controlling specific parasites, the label or container should have a G-number printed on it.

For more information on diseases and vaccination programmes visit your **local veterinarian** and **Vra vir Faffa**.

<http://www.landbou.com/kundiges/vra-vir-faffa-indeks/>

HOLISTIC INTERNAL PARASITE MANAGEMENT FOR SHEEP AND GOATS

Gareth Bath and Jan van Wyk

INTRODUCTION

Over the past ten to fifteen years there has been a radical rethink on our previous worm control strategies and assumptions due to the ever-accelerating failure of anthelmintics globally. This has caused a quiet but drastic revolution in many of the “received wisdoms” which governed advice to farmers for close to a century.

For a start, we have to abandon the underlying philosophy that internal parasites are an evil plague which should be maximally suppressed, or preferably eradicated. We have to learn to live with parasites and prevent only the unacceptable production losses, while simultaneously breeding animals fit for the environment, rather than making the environment fit for existing animals. By regarding parasites as part of the natural order of things, we will be able to see them simply as potential problems to be managed in order to achieve optimum productivity and profitability.

Only well integrated, holistic planning has a long-term chance of success, and unless all elements of our potential armamentarium are harnessed, the results will not match the expectations.

While this paper applies to helminths, and mainly nematodes, the parallels and inferences which can be made for ectoparasites, and indeed other organisms, should be obvious.

I WORM MANAGEMENT PRINCIPLES

A FLOCK MANAGEMENT REQUIREMENTS

- **Separation of Groups**

Since different classes of animals vary in their susceptibility to worm infection and its effects, they should be separated into groups, which are grazed, treated and managed as distinct entities. If these distinctions are not made one may be forced to treat the flock according to the most susceptible group. The most susceptible groups can still be managed and treated more intensively in a mixed flock, but this becomes more difficult.

- **Identify the groups most at risk**

Research has shown that the more susceptible animals are lambs/weanlings; and pregnant/lactating ewes. The former are susceptible because they cannot yet mount an effective immune response to infection, the latter are prone to infection because of a temporary suppression of immunity. (PPRR). These groups must get special attention.

- **Separation of pastures**

Unless pastures can be divided by fencing or herding, all sheep will be exposed to a similar challenge, regardless of whether they are susceptible or resistant to infection and its effects. This will prevent any differentiation in management and treatment. Diversion of pastures is not only good for internal parasite control, it also aids pasture management. Electric fences can be used as temporary pasturage dividers. In communally farmed areas, herding or tethering can achieve the same result without fencing.

- **Resting of pastures**

If pastures can be separated, it is then possible to rest them effectively, which has decided advantages to pasture management and improvement. If such pastures can be rested long enough, this will also have a significant effect on the survival of worm larvae and therefore the infection rate of the flock. Although the time needed for effective resting of pastures will vary with the climate, weather and worm species, a useful rule of thumb for effective resting is at least 3 months in subtropical or temperate climates, but as little as 1 month in the tropics. The longer the rest, the better it is for worm management.

- **Alternation of host species**

Sheep and goats share the same worm species and alternation with one another is ineffective for worm management. However, other species like cattle, horses and ostriches are generally not susceptible to the worms of sheep and goats. If they are used to graze pastures before or after sheep or goats, they act as "vacuum cleaners" on the pasture, as they ingest many larvae which cannot develop further into egg-laying adults. The other advantage is that the pasture can still be utilised in its growing season, which prevents the grass from becoming senescent and optimises its usefulness. This aids in maintaining the profitability of the farm.

- **Mend water leaks**

Water points (troughs, windmills) should not be allowed to leak, as this encourages the growth of grass. Since this is where sheep concentrate, the area can become lethally contaminated by larvae.

- **Avoid grass in pens**

Where sheep or goats have to be penned for lengthy periods (usually at night, to combat theft or predation) there can be a fatal buildup of larvae on the grass growing there. Sheep become hungry overnight and will eat these morsels of food. In consequence they will ingest massive numbers of larvae. It is therefore necessary to remove all grass from such pens.

- **Fence off moist areas**

Areas particularly prone to high moisture and therefore the survival of worm larvae, like streams and marshes, should be separated to reduce the challenge of the flock.

- **Strategic movement of flocks**

The aim should be to create "safe" (not necessarily "worm free") pastures. By planning changes in camps or paddocks, stock will be subject to lower challenges and need less chemical treatment. Any grazing system where a significant proportion of the pasture is rested for a full growing season will be particularly effective.

- **Quarantine and treatment**

Do not simply introduce purchased animals into the flock or herd. They must be quarantined in a worm-unfriendly pen (bare earth or concrete) and treated intensively using the best drugs and schedule. If financially feasible, do an FECRT to ensure minimum carry-over of drug-resistant parasites. Then place them on infected pasture if there is no multiple resistance.

B GENETIC SELECTION

- **Selection for resistance**

Resistance (the acquired or innate ability to prevent or minimise infection by parasites) is heritable and can be selected for, by measuring the faecal egg counts and using only those sheep with the lowest FEC's for breeding. For practical and economical reasons, this is usually only done for rams. Some successful breeding programmes have been undertaken but they require good organisation and meticulous record keeping. Culling of bad ewes and their offspring is also practical and recommended.

- **Selection for resilience**

Resilience (the ability to withstand the effects of infection and produce satisfactorily in spite of it) is also heritable. At present, only two proven methods, FAMACHA[®] and Haematocrit determination exist, although preliminary results suggest that Body Condition Scoring may also be useful. The FAMACHA[®] System can be used only where wireworm is the major parasite. By treating according to clinical anaemia (an indicator of poor resilience), only those sheep unable to cope with wireworm are treated. This reduces selection pressure for anthelmintic resistance and at the same time allows the farmer to cull the non-copers, in the long term thus being able to breed an animal better adapted to the environment.

It is also possible to select rams by a system of allocation of selection indices. This is currently under investigation and will require measuring individual ram FECs and FAMACHA[®] scores (or haematocrits) to make the measurement more accurate.

C MONITORING SYSTEMS

- **FEC**
Regular (monthly or 2 - monthly) monitoring of faecal egg counts on a group or flock basis will help to indicate when dosing is really needed, and equally important, when it can be delayed or even omitted. A bulk (composite) FEC comprising a single count of faeces pooled from equal samples from 10 to 20 sheep is certainly cheaper than dosing the whole flock unnecessarily. Keep graphs or tables of changes to indicate when parasite buildup is likely.
- **FECRT**
Every farmer should have the flock tested for drug resistance in the worm population on his farm, at regular intervals of not less than two years. Only by knowing exactly what the state of anthelmintic resistance on a farm is, can appropriate action be taken. Generalisations like "benzimidazole resistance is found on most farms" are not much use since they cannot tell us what the situation on a particular farm is. Just as important, we must not only know that resistance is present, but also how bad it is. Can we still use the drug group at all? Separate bulk faecal samples from each drug group will reduce the cost to acceptable levels.
- **FAMACHA[®] and Five point check[®] evaluation**
Apart from selection and culling, this system also allows frequent, cheap and easy monitoring of the current situation as regards worm infection.

D OPTIMISE ANTHELMINTIC USE

- **Establish the important parasites species present**
Unless the prevalence and importance of worm species is known, worm management becomes dangerous and unpredictable guesswork. It can also be ineffective and very costly.
- **Use the most suitable drug**
If the parasites are ranked in order of economic importance and their susceptibility to groups of anthelmintics is known and combined with knowledge on the anthelmintic resistance situation on the farm, it is then possible to decide which drug(s) and formulations will be the most suitable in each situation. This includes their cost and a cost/benefit analysis. Neither the cheapest nor the most expensive drug is necessarily the best one to use. Beware of generic drugs sold by an unknown company.
- **Avoid too frequent treatment**
The old approach of "dosing clean" must be completely abandoned, although not by reducing the dosage rate per animal. The aim has to be to treat only sufficient times and enough individual animals to maintain the equilibrium between parasite, host and environment (that is, worm management). Overtreatment ensures that only resistant parasites can survive. Minimal treatment programmes must be the new watchword, but it must be ensured that every treatment is effective.
- **Treat all and stay**

This is a major departure from the recommendations made for close to a century. If **all** sheep are to be treated, they should remain in the camp (paddock) where they were grazing before treatment. This will prevent sheep from contaminating a new pasture with only those resistant parasites which survived treatment, thus in the process unwittingly causing the selection for resistance parasites. In most cases they should remain in the paddock for at least 2-3 weeks after treatment to pick up unselected larvae for propagation of the susceptible worms in the new camp/paddock. However, should a long-acting anthelmintic be used, this period will have to be longer (2 to 3 weeks after the effective residual action ends). Particularly bolus (slow release) formulations should be used with great caution.

- **Treat selectively**

It is preferable to treat only those sheep or goats unable to cope with the current infection challenge, provided the percentage of non-copers remains below 20%. This can be done with the FAMACHA[®] system for haemonchosis, or possibly with Body Condition Scoring for other parasites. If clinically unaffected animals are left untreated, an immediate move to new pasture will not be detrimental. In the absence of such selective treatment, just leaving a small percentage (10-25%) of the flock intentionally untreated can be beneficial to slow AR development.

- **Move then treat**

Another way of achieving the same result as “treat all and stay” is to move the flock to a new “safe” pasture and delay treatment for 2-3 weeks, to allow the seeding of the new pasture with unselected worms, before treating the flock.

- **Herbal Remedies**

These are often touted as the answer to worm control. However, unless they have been properly tested and proven by an independent body, they may be useless or even harmful.

E IMPROVED ANTHELMINTIC EFFICACY

- **Dose over the tongue**

By placing the tip of the gun towards the back of the mouth, over the tongue, closure of the oesophageal groove does not occur and thus the full dose lands in the rumen where it is absorbed more slowly - this is particularly important for anthelmintic groups which rely on prolonged blood levels for their effect, like the benzimidazoles and macrocyclic lactones.

This prolonged level of activity (a long so-called "killing zone") means that the drug against which worms have developed a moderate degree of resistance can be made more effective, although of course the resistance of the worms is not reduced, but rather partially overcome. However, dosing (drenching) over the tongue, if done carelessly, can result in two very severe consequences:

1. the dose can land up the lungs, and cause pneumonia

2. the nozzle of the dosing gun can penetrate the pharynx and cause severe, fatal infection.

If the sheep jumps forward, the operator must let the gun 'ride' with the sheep, and not oppose it, and the dose must be delivered by a measured, steady pressure rather than a single squeeze.

- **Reduce feed intake**

It has been shown in the case of benzimidazoles and closantel that reducing feed intake (i.e. starvation) for 24 hours prior to treatment will improve the absorption of the remedy because of the lower rate of flow of ingesta. As in the previous case, this results in a more effective exposure of the parasite to the drug.

In turn, this means that the drug is clinically more effective and can partially overcome drug resistance.

- **Repeat the dose**

This only applies to benzimidazoles and macrocyclic lactones. Two doses given 12 hours apart will again increase the "killing zone" of these drugs, allowing more time for a cumulative killing effect. Thus resistant worms can still be killed, although this is achieved at a cost since two normal doses rather than one are needed. A double dose, given at one time, will have **no** beneficial effect with these two groups of anthelmintics.

- **Increase the dose**

This only applies to drugs which rely mainly on peak concentrations for their effect. In this case, a double amount of drug given at one time can overcome drug resistance in worms. This is useful for the imidasothiazoles (levamisole). There is however a relatively low safety margin, only 2x – 3x the therapeutic dose may sometimes cause problems of toxicity.

- **Correct dosage**

It may seem too obvious, but a lot of problems are caused by not weighing sheep, not calibrating and checking the dosing gun for accuracy and repeatability, and not reconciling the amount of drug used with the number of sheep treated. Underdosing may be a factor leading to anthelmintic resistance, but it is more likely to be the cause of ineffective treatment.

- **Drug combinations**

Combining drugs from different activity groups in one dose may temporarily improve the effective clinical action of these drugs, but only if each drug concerned is unaffected by resistance. However, many authorities believe that this will not slow the development of resistance and could even enhance it. If drugs are mixed, this can only be done if the formulation has been fully tested and carried by experts, in registered products. Home made combinations are dangerous and illegal. Such combinations often just give temporary relief and disguise the emergence of AR until it is severe and multiple.

- **Sustained delivery**

Medicated blocks or controlled release capsules will increase the clinical efficacy of those drugs which rely on prolonged action for their effectiveness. However, we have to bear in mind that prolonged exposure to a drug at low levels will increase selection for resistance. This approach will therefore not be permanent, and should only be used for very specific, limited purposes (e.g. weaners on green pasture) and not the entire flock in all circumstances.

- **Goats are different**

Because of differences in the rate of metabolising drugs, goats must be treated as different to sheep. This means that goats must often be given a higher dosage rate than sheep except where there is a possibility of toxicity. Note that many anthelmintics may not be registered for use in goats, or that the recommended dose given is the same as for sheep. Unfortunately, therefore if the product is not registered for use in goats, or the dosage rate is increased, the user has no legal redress if the product is used and fails, or causes losses.

F EFFECTIVE PLANNING

- **Use the expert**

Knowledgeable veterinarians, who know the area, farming systems and risks can construct a simple, practical, economic and effective holistic worm management strategy. They can consult helminthologists where necessary.

- **Use a programme**

Unless a basic planned system is in place and is used, actions will inevitably be largely reactive and based on *ad hoc* or panic decisions. But this does not imply a rigid adherence to the basic plan.

- **Flexibility**

The programme must be flexible to allow for changes in weather, management and farming systems, drug costs or other factors.

- **Treatment strategy**

It is probably true that on most farms animals are either dosed too often, or with inappropriate drugs, or at the wrong times, or with no coherent plan. By setting up a well thought out dosing plan, we can cut out ineffective doses which only add to the selection pressure for parasite resistance. This is one of the areas in which the knowledge and skills of the local vet are vital for success.

II OTHER MEASURES AND FACTORS

- **Protein supplementation**

Since resistance and resilience are dependent on adequate nutrition, and the most important factor identified is protein, it is possible to ameliorate the effects of parasites by feeding animals better. We need to know when and how much of what supplement must be supplied to which class of animal, and what the cost / benefit ratio would be before this aspect can be fully integrated into our overall approach.

- **Condition scoring**
The early indications are that this may be useful for identifying individual animals for treatment against some non-haematophagous worm species. The principle is that animals with a condition score which is more than half a score **below** the flock or herd average are treated. If the animals have a condition score below 2 and the risk of worm infestation is high, then treatment should be given.
- **Weather monitoring**
Factors which affect the survival, development and infectivity of larvae on pastures must be considered. Temperature, rainfall, rainfall pattern, humidity and cold cover will all have an effect and must be considered when making worm management decisions.
- **Flock/Herd history**
Without knowing details of numbers, types, ages, reproductive stages, treatment, stocking rates, grazing pressures and livestock movements, decision making is at best arbitrary and at worst potentially disastrous.
- **Veld/pasture assessment and history**
Coupled with livestock data, the advisor has to consider details of the veld or pasture type, its condition, growth stage, the soil cover, soil moisture, slope land and the grazing history.
- **Assessment and decision support computer programmes**
A few of these are available internationally, others are under development. Using computer power, they evaluate all the known risk factors and advocate alternative actions based on the given situation and data provided. The evaluation is of course only as good as the inputs given and these programmes cannot substitute entirely for the skills, knowledge and assessment of the advisor or the farmer.

III CONTROL MEASURES UNDER DEVELOPMENT

- **Predacious fungi**
Nematophagous fungi in the soil can severely constrain larval survival by immobilizing and killing them. Practical implementation is, however, still a long way off.
- **Dilution of resistance**
By the re-introduction of susceptible strains to a farm where a parasite strain has become resistant to anthelmintics, it is possible to significantly reduce the degree of resistance by a dilution effect. There is some indication that this can be effective on severely affected farms, but the process is slow, labour-intensive and costly.
- **Vaccination**
Although this “holy grail” of worm control still remains a mirage as a practical,

economical solution to worms, it is theoretically attainable and may be a potent factor when the problems which have prevented its commercial implementation are eventually overcome.

- **Condensed Tannins**

Plants containing higher levels of tannins suppress worm egg counts, but also have problems with palatability and digestibility.

- **Cupric oxide**

Needles of oxidised copper wire dosed into the rumen will reduce worm egg counts, but the longterm toxic effects (especially with sheep) have to be considered, especially if the diet is high in copper.

- **Change in body weight**

Lack of satisfactory weights gain, or even weight loss, can be considered as indicators for the treatment of individual animals in a flock. However, weighing is time consuming and may not be applicable in a given situation.

IV INTEGRATED PARASITE MANAGEMENT

If any of the foregoing principles are used exclusively, failure will be certain. It is only by using a prudent mix of strategies that sustainable, cost-effective measures can be established. The decision on which measures are to be used in a given situation can only be made by an expert who is conversant with local conditions. This programme will of course have to be drawn up in close consultation with the livestock owner(s).

Whether the farming system is based on communal ownership, subsistence farming, small-scale farming, commercial farming or stud farming, the principles remain the same. Only the mixture and weighting of measures used to manage parasites will vary according to circumstances.

V ACTION CHECKLIST

To implement the holistic use of all the available worm control strategies and principles, the veterinary advisor needs to go about setting up a sustainable programme methodically. The starting point is always the basic management programme, although even this may need to be modified to accommodate sustainable parasite control. Once the key activities like lambing, mating and shearing have been established, and the basic grazing programme has been decided, the requirements of effective parasite management may be superimposed. Planning is a dynamic and never-ending activity, and plans need to be revised each year as necessary.

By following the checklist, advisors can ensure that all appropriate measures have been considered and used.

- Make sure that the farmer understands and supports the need for change
- Ensure that all measures are practical, integrated and financially defensible
- Use an incremented approach, do not try to do everything at once
- Evaluate and use knowledge in stock flow, reproductive programme, grazing

systems, pasture or veld conditions and weather to decide on appropriate and integrated worm management actions.

- Are the groups/classes of animals properly separated? If not, implement this if possible.
- Give weanlings and late pregnant/lactating ewes most attention and the best circumstances
- Are the pastures properly fenced, and are there enough camps for effective management?
- Implement a satisfactory pasture resting programme. Keep well rested pastures for susceptible groups
- Graze camps sequentially by cattle, small stock and other host species if available
- Make sure that animals are getting the right nutrition, especially protein, and avoid putting animals in poor condition onto high risk pastures
- Mend water leaks and fence off moist areas
- Remove all grass from pens where animals are routinely held for long periods
- Buy rams selected for resistance (FEC) and/or resilience (FAMACHA[®]/haematocrit)
- Cull the minority of ewes which are unable to cope with prevailing parasite burdens
- Institute a planned programme for FECs to monitor the parasite situation
- Ensure that the FECRT is done every second year
- Introduce TST and Institute the FAMACHA[®] system for haemonchosis or BCS for other worm species
- Ensure that the types and relative importance of parasites have been established on each farm as well as when they are likely to occur
- Select and use the best drug for each situation
- If all animals are treated, do not move to new pastures for 2-3 weeks or longer depending on the drug and formulation used
- Ensure that the drug used is given in the most effective way
- Quarantine and treat all introductions and put them onto infected pasture
- Stick to what is possible in a given situation

Level of Reporting

The following practices and laboratories (104) submitted reports during February 2014:

Mpumalanga (14)

Balfour – dr. Louis van Jaarsveld

Bethal – dr. Hardus Pieters

Delmas – dr. Johan Jooste

Ermelo – dr. Gert Oosthuizen

Ermelo – dr. Ben Potgieter

Grootvlei – dr. Neels van Wyk

Lydenburg – drs. Trümpelmann and Steyn

Nelspruit – dr. André Beytell

Nelspruit – dr. Derek Venter

Middelburg – drs. Fourie and Barkhuizen

Piet Retief - drs. Niebuhr and Weber

Standerton – dr. Kobie Kroon

Standerton – drs. Nel, Swart and Van der Merwe

Volksrust – dr. André Visser

Gauteng (4)

Bronkhorstspuit – drs. De Bruin, De Bruin, Rudolph and Slabber

Nigel – dr. Cindy van der Westhuizen

Onderstepoort Veterinary Academic Hospital – proff. Annandale, Prozesky and Rautenbach, Shakespear, drs. Blignaut, Carrington, Gratwick, Grobler, Harmse, Holm and O'Dell

Pretoria – dr. Hanneke Pienaar

Limpopo (7)

Bela-Bela – drs. Du Toit, Hansen, Bester and Herbst

Machado – drs. Harris, Klopper and Jacobs

Modimolle – drs. Huber, Bredell and Barnard

Mokopane (Potgietersrus) - dr. Henk Visser

Polokwane (Pietersburg) – dr. Gavin Watson

Tzaneen – dr. Pieter Cordier

Vaalwater - dr. Hampie van Staden

North West (10)

Brits – drs. Boshoff and Hahn

Christiana - dr. Pieter Nel

Leeudoringstad - dr. Ian Jonker

Lichtenburg – dr. C. M. Krüger-Rall

Rustenburg – drs. Gaigher, Grobler, Sparks, Van Egdome, Van Rooyen, Goosen and Van Rensburg

Schweizer-Reneke - dr. N.J. Heyns

Stella - dr. Magdaleen Vosser

Swartruggens – dr. Roselle Hartwigsen

Ventersdorp – dr. Olof Marais

Vryburg – drs. Labuschagne and De Jager

Free State (19)

Bethlehem – drs. Basson, Strydom and Strydom

Bloemfontein - dr. Stephan Wessels

Bothaville – dr. Johan Blaauw

Bultfontein – dr. Santjie Pieterse

Clocolan – drs. Marwick and Wasserman

De Wetsdorp – dr. Marike Badenhorst

Ficksburg – dr. Woody Kotze

Frankfort - dr. Dries Lessing

Harrismith - drs. Pretorius, Thirion and Nel

Heilbron – dr. Piet van Zyl

Hoopstad - dr. Kobus Pretorius

Memel – dr. Neil Nixon

Parys – drs. Wessels and Van den Berg

Reitz - dr. Murray Smith

Viljoenskroon - dr. Johan Kahts

Villiers - drs. I. Hattingh and W.D. Hauptfleisch

Vrede – dr. Rudolph Fourie

Winburg – drs. Albertyn and Albertyn

Zastron – dr. Phillip Brandt

KwaZulu-Natal (16)

Bergville - drs. Ariena Shepherd and Robyn Hamman

Camperdown – dr. Anthony van Tonder

Dundee - dr. Tony Grace

Dundee – dr. Jacqui Marais

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

Greytown – dr. Mike Caldicott

Howick – drs. Hughes, Lund, Gordon, Allison and Taylor

Ingogo – dr. Trish Oglesby

Mooi River - drs. Fowler, Hartley and Mallet

Mtubatuba – dr. Trever Viljoen

Newcastle – dr. Barry Rafferty and Oglesby

Pietermaritzburg – dr. Phillip Kretzmann

Pietermaritzburg – dr. Rick Mapham

Pongola – dr. Heinz Kohrs

Underberg - drs. Collins, King and Delaney

Vryheid – dr. Gert Theron

Eastern Cape (11)

Adelaide – dr. Steve Cockroft

Alexandria - dr. Johan Olivier

Aliwal North – drs. Troskie and Strauss

Graaff-Reinet – dr. Hobson and Strydom

Graaff- Reinet - dr. Roland Larson

Humansdorp - drs. Van Niekerk, Jansen Van Vuuren, Barker and Kotze

Middelburg – drs. Van Rooyen and Viljoen

Somerset East – drs. Farrel and Louw

Stutterheim – dr. Dave Waterman

Jeffreys Bay – drs. Lategan, Hoek and McFarlane

Uitenhage – dr. Riaan Mulder

Western Cape (15)

Beaufort West - drs. Pienaar and Grobler

Caledon – drs. Retief and Rissik

Ceres – dr. Marc Walton

Darling – drs. Van der Merwe and Adam

George - drs. Strydom, Truter and Pettifer

Heidelberg – dr. Albert van Zyl

Malmesbury – drs. Bosman and Groenewald

Malmesbury – dr. Otto Kriek

Malmesbury – dr. John Liebenberg

Oudtshoorn – dr. Glen Carlisle

Plettenberg Bay – dr. André Reitz

Riversdal- drs. Du Plessis, Taylor and De Bruyn

Stellenbosch – dr. Alfred Kidd

Swellendam – dr. Jacques Malan

Vredenburg - dr. Izak Rust

Northern Cape (5)

Calvinia – drs. Dirk and Lizanne de Beer

De Aar – dr. Donald Anderson

Kathu – dr. Jan Vorster

Kimberley – drs. Van Heerden and Swart

Upington - dr. Ian Vorster

Feed lots (1)

Drs. Morris and Du Preez

Laboratory reports (2)

Dr. Marijke Henton -Idexx SA Johannesburg

Dr. Annelize Jonker – State Vet Lab, Stellenbosch

DISEASE DISTRIBUTION REPORT AS REPORTED BY VETERINARIANS

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Internal Parasites

Brown Stomach-worm

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average								2.5 (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								3.0 (1)	
Goat								2.0 (1)	

Eastern Cape
Graaff-Reinet, Camdeboo Veterinary Clinic
 Goat: 2
 Mortalities in kids on lands
Jeffreys Bay, Cape Cross Veterinary Hospital
 Dairy: 3

Conical Flukes

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average	2.0 (1)		2.0 (1)		1.8 (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	2.0 (1)		2.0 (1)		1.8 (4)				
Dairy							3.0 (1)		

Mpumalanga
Standerton, Standerton Dierehospitaal

Beef: 2
Limpopo
Machado, Blouberg Direkliniek
Beef: 2
Free State
Clocolan, Clocolan Direkliniek
Beef: 1
Dewetsdorp, Platkop Direkliniek
Beef: 2
Ficksburg, Woody Kotze
Beef: 1
Memel, Memel Veterinary Clinic
Beef: 3
Eastern Cape
Jeffreys Bay, Cape Cross Veterinary Hospital
Dairy: 3

Cysticercosis (measles)									^
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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

Liver Fluke Worms									^
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PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average					1.4 (5)	2.2 (5)	1.0 (1)	1.3 (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					1.3 (3)	2.2 (5)	1.0 (1)	2.0 (1)	
Dairy					1.0 (1)			1.0 (1)	
Sheep					2.0 (1)			1.0 (1)	

Free State
Ficksburg, Woody Kotze
Beef: 1
Memel, Memel Veterinary Clinic
Beef: 1
Reitz, Riemland Direkliniek
Beef: 2, Dairy: 1, Sheep: 2
Kwazulu-Natal
Howick, Howick Veterinary Clinic

Beef: 3									
Mooi River, Mooi River Vet Clinic									
Beef: 3									
Newcastle, Ncandovet Newcastle									
Beef: 1									
Underberg, Underberg Veterinary Surgery									
Beef: 2									
Vryheid, Vryheid Veterinary Clinic									
Beef: 2									
Eastern Cape									
Humansdorp, Humansdorp Veterinary Clinic									
Beef: 1									
Western Cape									
Oudtshoorn, Oudtshoorn Dierekliniek									
Sheep: 1									
One farmer lost 5 ewes from a severe liver fluke infestation. The post mortem revealed severe liver damage and multiple adult flukes were present throughout the liver. Sheep were anaemic. These sheep graze along the banks of the Grobbelaars river									
Swellendam, Swellendam Dierehospitaal									
Beef: 2									
Cow died of liver fluke worm infestation.									
Dairy: 1									
Nasal bot larvae									
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)	
Western Cape									
Vredenburg, Vredenburg Dierehospitaal									
Sheep: 3									
Parafilaria									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average			3.0 (1)		1.0 (1)	2.0 (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)		1.0 (1)	2.0 (2)			
Limpopo									
Machado, Blouberg Dierekliniek									
Beef: 3									
Free State									
Vrede, Saulshoek Dierepraktyk									

Beef: 1									
Kwazulu-Natal									
Mtubatuba, Mtubatuba Animal Clinic									
Beef: 2									
Vryheid, Vryheid Veterinary Clinic									
Beef: 2									
Resistant Round Worms									^
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 (2)	2.6 (5)	2.5 (4)	2.3 (6)	2.4 (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)			
Sheep	2.4 (5)	3.0 (1)	3.0 (1)	3.0 (2)	3.0 (4)	2.3 (3)	2.0 (3)	2.3 (5)	
Goat					1.0 (1)		2.5 (3)	3 (1)	
Mpumalanga									
Ermelo, Joubertstraat Dierekliek									
Sheep: 3									
Lydenburg, Lydenburg Dieresprekkamer									
Sheep: 1									
Middelburg, Middelburg Dierehospitaal									
Sheep: 3									
It is of big concern that many farmers do not have a strategy to manage problems due to wireworm. Many times the cheapest anthelmintic are bought and used with catastrophic consequences.									
Nelspruit, Nelspruit Animal Hospital									
Sheep: 3									
Standerton, Econovet									
Sheep: 2									
Gauteng									
Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic									
Sheep: 3									
Limpopo									
Tzaneen, Tzaneen animal clinic									
Sheep: 3									
North West									
Leeudoringstad, Leeudoringstad Dierekliek									
Sheep: 3									
Schweizer-Reneke, NJ Heyns									
Sheep: 3									
Free State									
Bothaville, Cape Cross Bothaville Veterinary Hospital									
Goat: 1									
Clocolan, Clocolan Dierekliek									
Sheep: 3									
Ficksburg, Woody Kotze									
Sheep: 3									
Heilbron, Heilbron Dierekliek									
Sheep: 3									
Villiers, Wilgepoort Dierekliek									

Sheep: 3
Kwazulu-Natal
Bergville, Tugela Vet Clinic
Sheep: 1
Some farmers bought in stock infested with resistance worms.
Dundee, Endumeni Herd health
Sheep: 3
Greytown, Greytown Veterinary Hospital
Beef: 3
Vryheid, Vryheid Veterinary Clinic
Sheep: 3
Eastern Cape
Aliwal North, Casper Troskie
Sheep: 1
Graaff-Reinet, Camdeboo Veterinary Clinic
Goat: 2
Aberdeen, Pearston
Graaff- Reinet, Graaff Reinet Veterinary Clinic
Sheep: 3, Goat: 3
Western Cape
Beaufort West, Beaufort West State Vet
Sheep: 3
Several cases of resistant roundworms have been diagnosed in the Murraysburg district. The farms where this is seen have animals grazing on irrigated lucerne lands. The intensification of sheep and goats increases the prevalence of resistant roundworms. Different groups of anthelmintics are being explored.
Goat: 3
Several cases of resistant roundworms have been diagnosed in the Murraysburg district. The farms where this is seen have animals grazing on irrigated lucerne lands. The intensification of sheep and goats increases the prevalence of resistant roundworms. Different groups of anthelmintics are being explored.
Caledon, Overberg Veterinary Hospital
Sheep: 2
George, George Animal Hospital
Sheep: 3
Wet conditions are ideal for roundworms
Oudtshoorn, Oudtshoorn Dierkliniek
Sheep: 1

Roundworms in general									^
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PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.7 (11)	2.2 (6)	3.0 (6)	2.8 (6)	2.8 (13)	2.4 (16)	2.8 (11)	2.3 (9)	2 (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)	2.0 (2)			
Dairy							3.0 (1)		
Sheep	2.9 (9)	2.0 (4)	3.0 (4)	2.8 (5)	2.8 (12)	2.7 (9)	2.7 (7)	2.4 (7)	2.0 (1)
Goat	2.3 (3)	2.5 (2)	3.0 (3)			2.2 (5)	3.0 (3)	2.0 (2)	

Mpumalanga

Bethal, Bethal Dierekliniek
Sheep: 3, Goat: 1
Ermelo, Joubertstraat Dierekliniek
Sheep: 3
Grootvlei, Grootvlei Dierekliniek
Sheep: 2
Middelburg , Middelburg Dierehospitaal
Sheep: 3
Nelspruit, Nelspruit Animal Hospital
Sheep: 3, Goat: 3
Piet Retief, Petsvet
Sheep: 0 3
Standerton, Econovet
Sheep: 3
Standerton, Standerton Dierehospitaal
Sheep: 3
Roundworm infestation is a huge problem and difficult to control in the wet conditions
Goat: 3
A Roundworm infestation is a huge problem and difficult to control in the wet conditions
Volksrust, Volksrust Dierehospitaal
Sheep: 3
Gauteng
Bronkhorstspuit, Kerkstraat Dierekliniek
Sheep: 2, Goat: 2
Nigel, Nigel
Sheep: 2
Pretoria, Hanneke Pienaar
Sheep: 1
Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic
Sheep: 3, Goat: 3
Limpopo
Bela Bela, Warmbad Dierekliniek
Sheep: 3
Machado, Blouberg Dierekliniek
Beef: 3
Wireworm infestation in calves, small stock and sables in small camps.
Sheep: 3
Wireworm infestation in small stock
Modimolle, Kranskop Dierekliniek
Sheep: 3
Mortalities in sheep due to wireworm infestation
Goat: 3
Polokwane, Pietersburg Veterinary Clinic
Goat: 3
Goats succumbing to massive wireworm infestations – associated with wet, contaminated “kraals” – never cleaned.
Tzaneen, Tzaneen animal clinic
Sheep:3, Goat: 3
North West
Lichtenburg, CM Kruger-Rall
Sheep: 3
Severe nodular worm infestation, 4 Dorper sheep died
Rustenburg, Protea Dierekliniek
Sheep: 2

Schweizer-Reneke, NJ Heyns
Sheep: 3
Severe infestations
Stella, Stella Dierekliniek
Beef: 3, Sheep: 3
Ventersdorp, Buffelsvlei Dierekliniek
Sheep: 3
Free State
Bethlehem, Bethlehem Animal Hospital
Sheep: 3
Clocolan, Clocolan Dierekliniek
Beef: 3, Sheep: 3
Frankfort, Frankfort Dierekliniek
Sheep: 3
Harrismith, Harrismith Dierehospitaal
Sheep: 3
Heilbron, Heilbron Dierekliniek
Sheep: 3
Hoopstad, Hoopstad Dierekliniek
Sheep: 3
Bloemfontein, Langenhovenpark Dierekliniek
Sheep: 3
Memel, Memel Veterinary Clinic
Sheep: 3
Parys, Parys Dierehospitaal
Sheep: 3
Reitz, Riemland Dierekliniek
Sheep: 3
Winburg, Winburg Dierekliniek
Sheep: 3
Zastron, Zastron Dierekliniek
Sheep: 1
Kwazulu-Natal
Camperdown, Camperdown Vet Clinic
Goat: 2
Bergville, Tugela Vet Clinic
Sheep: 2
Dundee, Endumeni Herd health
Sheep: 3
Dundee, Mpati Veterinary Clinic
Sheep: 3, Goat: 3
Estcourt, Estcourt Vet Clinic
Sheep: 2, Goat: 2
Howick, Howick Veterinary Clinic
Sheep: 3
Mtubatuba, Mtubatuba Animal Clinic
Beef: 2, Goat: 2
Mooi River, Mooirivier Vet Clinic
Sheep: 3
Severe infestations and mortalities
Newcastle, Ncandovet Newcastle
Sheep: 3
Pongola, Pongola Animal Clinic
Sheep: 2, Goat: 2

Pietermaritzburg, Richmond Veterinary Clinic
Beef: 2
Vryheid, Vryheid Veterinary Clinic
Sheep: 3
Eastern Cape
Adelaide, Adelaide Veterinary Clinic
Sheep: 3
Aliwal North, Uitspan C Troskie
Sheep: 2
Graaff-Reinet, Graaff-Reinet Veterinary Clinic
Sheep: 3
Roundworm infestation is a perennial problem. However, more "progressive" farmers are starting to appreciate the benefits of the 5 point check approach and target selected treatment (TST) .
Goat: 3
Roundworm infestation is a perennial problem. However, more "progressive" farmers are starting to appreciate the benefits of the 5 point approach and target selected treatment (TST) .
Humansdorp, Humansdorp Veterinary Clinic
Sheep: 2
Jeffreys Bay, Cape Cross Veterinary Hospital
Dairy: 3
Middelburg (EC), Steynsburg Dierehospitaal
Sheep: 3, Goat: 3
Somerset East, Bosberg Vet Clinic
Sheep: 3
Roundworm infestation in sheep and goats grazing on irrigated pastures is a big problem. Sheep with long-necked bankruptworm infestation showed signs of chronic weight loss and diarrhoea. At necropsy typical Morocco leather lesions caused by brown stomach-worm infestation were seen in the abomasum.
Goat: 3
Roundworm infestation in goats grazing on irrigated pastures is a big problem.
Uitenhage, Uitenhage Dierehospitaal
Sheep: 3
Western Cape
Beaufort West, Beaufort West State Vet
Goat: 1
Caledon, Overberg Veterinary Hospital
Sheep: 2
Darling, Darling Dierekliniek
Sheep: 3
George, George Animal Hospital
Sheep: 3
Heidelberg WC, Heidelberg Dierekliniek
Sheep: 3
Malmesbury, Bergzicht Dierehospitaal
Sheep: 1
Oudtshoorn, Oudtshoorn Dierekliniek
Sheep: 2
Riversdal, Riversdal Dierekliniek
Sheep: 3
Heavy infestations of wireworm, bankruptworm and brown stomach-worm.
Goat: 3
Heavy infestations of wireworm, bankruptworm and brown stomach-worm.
Northern Cape
Kimberley, Kimberley Dierekliniek
Sheep: 2

Tape Worms									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.3 (8)		1.0 (1)		2.1 (7)	2.7 (3)	1.3 (3)	1.8 (4)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	1.0 (2)				2.0 (1)	3.0 (1)		1.0 (1)	
Dairy	1.0 (1)				2.0 (1)	3.0 (1)		2.0 (1)	
Sheep	1.7 (3)		1.0 (1)		2.2 (5)	2.0 (1)	1.5 (2)	2.0 (1)	
Goat	1.0 (2)						1.0 (1)	2.0 (1)	
Mpumalanga									
Balfour, Balfour Dierekliniek									
Beef: 1, Dairy: 1, Sheep: 1, Goat: 1									
Lydenburg, Lydenburg Dieresprekkamer									
Beef: 1									
Middelburg (M), Middelburg Dierehospitaal									
Sheep: 2									
Nelspruit, Nelspruit Animal Hospital									
Goat: 1									
Volksrust, Volksrust Dierehospitaal									
Sheep: 2									
Limpopo									
Modimolle, Kranskop Dierekliniek									
Sheep: 1									
Free State									
Hoopstad, Hoopstad Dierekliniek									
Sheep: 2									
Bloemfontein, Langenhovenpark Dierekliniek									
Sheep: 3									
Memel, Memel Veterinary Clinic									
Sheep: 1									
Reitz, Riemland Dierekliniek									
Beef: 2, Dairy: 2, Sheep: 3									
Villiers, Wilgepoort Dierekliniek									
Sheep: 2									
Kwazulu-Natal									
Howick, Howick Veterinary Clinic									
Beef: 3, Dairy: 3									
Mtubatuba, Mtubatuba Animal Clinic									
Sheep: 2									
Eastern Cape									
Aliwal North, Casper Troskie									
Sheep: 1									
Graaff-Reinet, Graaf- Reinet Veterinary Clinic									
Goat: 1									
Humansdorp, Humansdorp Veterinary Clinic									
Sheep: 2									
Western Cape									
Riversdal, Riversdal Dierekliniek									

Sheep: 2, Goat: 2

Swellendam, Swellendam Dierehospitaal

Beef: 1, Dairy: 2

Wireworm									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	3.0 (3)	2.7 (3)	3.0 (2)	3.0 (1)	2.8 (4)		2.5 (2)	3.0 (1)	

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

Sheep	3.0 (2)	2.7 (3)	3.0 (1)	3.0 (1)	3.0 (3)		2.5 (2)	3.0 (1)	
Goat	3.0 (1)		3.0 (1)		2.0 (1)				

Mpumalanga

Ermelo, Joubertstraat Dierekliniek

Sheep: 3

Nelspruit, Nelspruit Animal Hospital

Sheep: 3

Wet conditions are ideal for survival of infective stages of wireworm. Severe infections are also picked up when sheep are kraaled. Dung and urine contamination leads to lush grass growth around kraals and this grass are infested with infective larvae.

Goat: 3

Wet conditions are ideal for survival of infective stages of wireworm. Severe infections are also picked up when sheep are kraaled. Dung and urine contamination leads to lush grass growth around kraals and this grass are infested with infective larvae.

Gauteng

Nigel, Nigel

Sheep: 2

Three ewes died of wireworm infestation.

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Sheep: 3

Rivonia, Feedlot vets

Sheep: 3

Limpopo

Tzaneen, Tzaneen animal clinic

Sheep 3; Goats 3

North West

Leeudoringstad, Leeudoringstad Dierekliniek

Sheep: 3

Mortalities due to severe wireworm infestations.

Free State

Ficksburg, Woody Kotze

Sheep: 3

Severe wireworm infestations.

Harrismith, Harrismith Dierehospitaal

Sheep: 3

Severe outbreaks of wireworm due to continuous rainfall in January. Sheep were neglected in February due to other work that had to be done on the farm.

Parys, Parys Dierehospitaal

Goat: 2

Villiers, Wilgepoort Dierekliniek

Sheep: 3

Farmers are caught unawares through good marketing by sales people. They buy long acting anthelmintics against which there are anthelmintic resistance and then do not observe their animals regularly as they should do.

Eastern Cape

Adelaide, Adelaide Veterinary Clinic

Sheep: 3

Severe infestation

Stutterheim, Stutterheim Veterinary Clinic

Sheep: 2

Anthelmintic resistance to closantel and levamisole diagnosed. We are also doing faecal egg reduction tests to advise the farmer which anthelmintic groups to use.

Western Cape

Heidelberg WC, Heidelberg Dierekliek

Sheep: 3

Severe wireworm infestations

External Parasites

Biting Lice

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

Free State

Hoopstad, Hoopstad Dierekliek

Beef: 2

Reitz, Riemland Dierekliek

Sheep: 2

Villiers, Wilgepoort Dierekliek

Beef: 1

Western Cape

Ceres, Ceres Veterinary Hospital

Sheep: 1

Blowflies

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

Gauteng
Bronkhorstspuit, Kerkstraat Dierekliniek
Beef: 1
North West
Schweizer-Reneke, NJ Heyns
Beef: 3, Sheep: 3
Free State
Hoopstad, Hoopstad Dierekliniek
Sheep: 3
Bloemfontein, Langenhovenpark Dierekliniek
Sheep: 3
Memel, Memel Veterinary Clinic
Sheep: 3
Reitz, Riemland Dierekliniek
Sheep: 3
Kwazulu-Natal
Bergville, Tugela Vet Clinic
Sheep: 2
Dundee, Endumeni Herd health
Sheep: 2
Estcourt, Estcourt Vet Clinic
Sheep: 1
Eastern Cape
Aliwal North, Uitspan C Troskie
Sheep: 2
Western Cape
Heidelberg WC, Heidelberg Dierekliniek
Sheep: 3
Severe blowfly strikes on sheep

Blue Ticks									^
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PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.5 (8)	2.6 (5)	2.6 (5)	2.5 (4)	2.6 (11)	2.7 (11)	3.0 (3)	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	2.6 (7)	2.7 (3)	2.6 (5)	2.5 (4)	2.7 (10)	2.8 (9)	3.0 (1)	3.0 (3)	
Dairy	2.0 (1)	2.5 (2)			2.0 (1)	3.0 (1)	3.0 (2)	2.5 (2)	
Sheep						2.0 (1)			

Mpumalanga
Delmas, Delmas
Dairy: 2
Ermelo, Joubertstraat Dierekliniek
Beef: 3
Ermelo, Moregloed Veterinere Spreekkamer
Beef: 2
Middelburg (M), Middelburg Dierehospitaal
Beef: 3

Nelspruit, Nelspruit Animal Hospital
Beef: 2
Piet Retief, Petsvet
Blue ticks: 2
Standerton, Standerton Dierehospitaal
Beef: 3
Volksrust, Volksrust Dierehospitaal
Beef: 3
Gauteng
Bronkhorstspuit, Kerkstraat Dierekliniek
Beef: 2, Dairy: 2
Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic
Beef: 3, Dairy: 3
Rivonia, Feedlot vets
Beef: 3
A few loads of calves arriving at feedlots had severe blue tick infestations
Limpopo
Bela-Bela, Warmbad Dierekliniek
Beef: 2
Machado, Blouberg Dierekliniek
Beef: 3
Modimolle, Kranskop Dierekliniek
Beef: 2
Polokwane, Pietersburg Veterinary Clinic
Beef: 3
Tzaneen: Tzaneen animal clinic
Beef: 3
North West
Leeudoringstad, Leeudoornstad Dierekliniek
Beef: 3
Lichtenburg, CM Kruger-Rall
Beef: 3
Schweizer-Reneke, NJ Heyns
Beef: 3
Ventersdorp, Buffelsvlei Dierekliniek
Beef: 1
Free State
Bethlehem, Bethlehem Animal Hospital
Beef: 2, Dairy: 2
Frankfort, Frankfort Dierekliniek
Beef: 3
Harrismith, Harrismith Dierehospitaal
Beef: 2
Hoopstad, Hoopstad Dierekliniek
Beef: 3
Bloemfontein, Langenhovenpark Dierekliniek
Beef: 3
Parys, Parys Dierehospitaal
Beef: 2
Reitz, Riemland Dierekliniek
Beef: 3
Viljoenskroon, Viljoenskroon Dierekliniek
Beef: 3
Vrede, Saulshoek Diereparktyk

Beef: 3
Winburg, Winburg Dierekliniek
Beef: 3
Kwazulu-Natal
Bergville, Tugela Vet Clinic
Beef: 2, Sheep: 2
Dundee, Endumeni Herd health
Beef: 3
Estcourt, Estcourt Vet Clinic
Beef: 3
Howick, Howick Veterinary Clinic
Beef: 3
Ingogo, Ingogo Vet
Beef: 2
Mtubatuba, Mtubatuba Animal Clinic
Beef: 3
Pietermaritzburg, Richmond Veterinay Clinic
Beef: 3
Underberg, Underberg Veterinary Surgery
Beef: 3, Dairy: 3
Vryheid, Vryheid Veterinary Clinic
Beef: 3
Eastern Cape
Alexandria, Alexandria Platteland Spreekkamer
Dairy: 3
Somerset East, Bosberg Vet Clinic
Beef: 3, Dairy: 3
Western Cape
George, George Animal Hospital
Beef: 3
Malmesbury, Otto Kriek
Dairy: 2
Riversdal, Riversdal Dierekliniek
Beef: 3, Dairy: 3
Swellendam, Swellendam Dierehospitaal
Beef: 3

Bont-legged tick									^
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PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.7 (3)	2.8 (5)	3.0 (6)	2.8 (9)	2.9 (9)	2.0 (2)	2.3 (3)	2.3 (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	2.5 (2)	2.7 (3)	3.0 (3)	2.8 (6)	2.9 (7)	2.0 (2)	3.0 (1)	2.0 (1)	2.0 (1)
Dairy		3.0 (1)			3.0 (1)		2.0 (2)	2.5 (2)	
Sheep	3.0 (1)	3.0 (1)	3.0 (2)	2.7 (3)	3.0 (1)			2.0 (1)	1.0 (1)
Goat			3.0 (1)						

Mpumalanga
Standerton, Standerton Dierehospitaal
Beef: 3, Sheep: 3

Volksrust, Volksrust Dierehospitaal
Beef: 2
Gauteng
Bronkhorstspuit, Kerkstraat Dierekliniek
Beef: 2
Pretoria, Hanneke Pienaar
Beef: 3
Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic
Beef: 3, Dairy: 3, Sheep: 3
Limpopo
Bela-Bela, Warmbad Dierekliniek
Beef: 3, Sheep: 3
Polokwane, Pietersburg Veterinary Clinic
Beef: 3, Sheep: 3, Goat: 3
Tzaneen, Tzaneen animal clinic
Beef: 3
North West
Brits, Brits Dierekliniek
Beef: 3
Christiana, Christiana Dierehospitaal
Beef: 2, Sheep: 2
Leeudoringstad, Leeudoringstad Dierekliniek
Beef: 3, Sheep: 3
Rustenburg, Protea Dierekliniek
Beef: 3
Increase in bont-legged tick numbers
Schweizer-Reneke, NJ Heyns
Beef: 3, Sheep: 3
Stella, Stella Dierekliniek
Beef: 3
Free State
Bultfontein, Greylingrust Dierspreekkamer
Beef: 3
Frankfort, Frankfort Dierekliniek
Beef: 3
Heilbron, Heilbron Dierekliniek
Beef: 2
Hoopstad, Hoopstad Dierekliniek
Beef: 3, Sheep: 3
Bloemfontein, Langenhovenpark Dierekliniek
Beef: 3, Dairy: 3
Parys, Parys Dierehospitaal
Beef: 3
Winburg, Winburg Dierekliniek
Beef: 3
Kwazulu-Natal
Dundee, Endumeni Herd health
Beef: 3
Pongola, Pongola Animal Clinic
Beef: 1
Eastern Cape
Jeffreys Bay, Cape Cross Veterinary Hospital
Dairy: 1
Somerset East, Bosberg Vet Clinic

Beef: 3, Dairy: 3
Western Cape
Malmesbury, Bergzicht Dierehospitaal
Dairy: 2, Sheep: 2
Riversdal, Riversdal Dierekliniek
Beef: 2, Dairy: 3
Northern Cape
Kathu, Kathu Dierekliniek
Beef: 2
Kimberley, Kimberley Dierekliniek
Sheep: 1

Brown Ear-ticks									^
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PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.5 (4)	1.5 (2)	2.4 (5)	2.0 (3)	2.4 (5)	2.3 (11)	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	2.5 (4)	1.5 (2)	2.4 (5)	2.0 (3)	2.3 (4)	2.3 (9)	3.0 (1)	3.0 (1)	
Dairy						2.0 (2)			
Sheep					3.0 (1)				

Mpumalanga
Ermelo, Moregloed Veterinêre Spreekkamer
Beef: 2
Nelspruit, Nelspruit Animal Hospital
Beef: 3
Standerton, Econovet
Beef: 3
Volksrust, Volksrust Dierehospitaal
Beef: 2
Gauteng
Bronkhorstspuit, Kerkstraat Dierekliniek
Beef: 1
Pretoria, Hanneke Pienaar
Beef: 2
Limpopo
Bela-Bela, Warmbad Dierekliniek
Beef: 3
Machado, Blouberg Dierekliniek
Beef: 3
Mokopane, Henk Visser
Beef: 1
Nylstroom, Kranskop Dierekliniek
Beef: 2
Polokwane, Pietersburg Veterinary Clinic
Beef: 3
North West
Leeudoringstad, Leeudoringstad Dierekliniek
Beef: 3
Rustenburg, Protea Dierekliniek

Beef: 2
Ventersdorp, Buffelsvlei Dierekliniek
Beef: 1
Free State
Frankfort, Frankfort Dierekliniek
Beef: 3
Heilbron, Heilbron Dierekliniek
Beef: 1
Parys, Parys Dierehospitaal
Beef: 2
Vrede, Saulshoek Dierepraktik
Beef: 3, Sheep: 3
Camperdown, Camperdown Vet Clinic
Beef: 2
Bergville, Tugela Vet Clinic
Beef: 1
Dundee, Endumeni Herd health
Beef: 3
Dundee, Mpati Veterinary Clinic
Beef: 3
Estcourt, Estcourt Vet Clinic
Beef: 1, Dairy: 1
Ingogo, Ingogo Vet
Beef: 3
Mtubatuba, Mtubatuba Animal Clinic
Beef: 3
Pietermaritzburg, Richmond Veterinay Clinic
Beef: 2
Vryheid, Vryheid Veterinary Clinic
Beef: 3, Dairy: 3
Eastern Cape
Uitenhage, Uitenhage Dierehospitaal
Beef: 3
Western Cape
George, George Animal Hospital
Beef: 3

Heartwater(Bont) ticks									^
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PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (1)	2.4 (5)	3.0 (11)	2.7 (3)		2.8 (17)	2.2 (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	2.0 (1)	2.3 (3)	3.0 (5)	3.0 (1)		2.7 (7)	3.0 (1)		
Dairy		3.0 (1)				3.0 (4)	2.3 (3)		
Sheep		2.0 (1)	3.0 (4)	2.5 (2)		2.7 (3)			
Goat			3.0 (2)			2.7 (3)	1.0 (1)		

Mpumalanga
Ermelo, Joubertstraat Dierekliniek

Beef: 2
Gauteng
Bronkhorstspuit, Kerkstraat Dierekliniek
Beef: 1
Pretoria, Hanneke Pienaar
Beef: 3
Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic
Beef: 3, Dairy: 3, Sheep: 2
Limpopo
Bela-Bela, Warmbad Dierekliniek
Beef: 3, Sheep: 3
Machado, Blouberg Dierekliniek
Beef: 3
Mokopane, Henk Visser
Beef: 3, Sheep: 3, Goat: 3
Modimolle, Kranskop Dierekliniek
Beef: 3, Sheep: 3
Polokwane, Pietersburg Veterinary Clinic
Beef: 3, Sheep: 3, Goat: 3
North West
Brits, Brits Dierekliniek
Sheep: 3
In Hartebeestpoort dam, Skeerpoort and Hekpoort several cases were reported. Success to treatment varies.
Swartruggens, Swartruggens Veterinary Clinic
Beef: 3, Sheep: 2
Kwazulu-Natal
Dundee, Endumeni Herd health
Beef: 3, Dairy: 3, Sheep: 3
Mortality rate have been high in animals that were treated too late
Estcourt, Estcourt Vet Clinic
Beef: 2
Howick, Howick Veterinary Clinic
Beef: 3, Dairy: 3
Mtubatuba, Mtubatuba Animal Clinic
Beef: 3, Dairy: 3, Goat: 3
Pongola, Pongola Animal Clinic
Beef: 3, Sheep: 2, Goat: 2
Pietermaritzburg, Richmond Veterinay Clinic
Beef: 3, Sheep: 3, Goat: 3
Vryheid, Vryheid Veterinary Clinic
Beef: 2, Dairy: 3
Eastern Cape
Alexandria, Alexandria Platteland Spreekkamer
Dairy: 2
Graaff-Reinet, Camdeboo Veterinary Clinic
Goat: 1
Jansenville
Jeffreys Bay, Cape Cross Veterinary Hospital
Dairy: 2
Somerset East, Bosberg Vet Clinic
Beef: 3, Dairy: 3
Mange 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

Beef	2.0 (1)								
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Mpumalanga									
Standerton, Standerton Dierehospitaal									
Beef: 2									

Midges									^
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PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	3.0 (9)			2.7 (3)	2.8 (12)	2.8 (9)	2.7 (6)	3.0 (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	3.0 (3)			2.5 (2)	2.7 (7)	2.7 (3)	3.0 (1)	3.0 (3)	
Dairy	3.0 (1)					2.7 (3)	3.0 (2)	3.0 (1)	
Sheep	3.0 (4)			3.0 (1)	3.0 (5)	3.0 (2)	2.3 (3)		
Goat	3.0 (1)					3.0 (1)			

Mpumalanga									
Delmas, Delmas									
Dairy: 3									
Nelspruit, Nelspruit Animal Hospital									
Beef: 3, Sheep: 3, Goat: 3									
Standerton, Econovet									
Beef: 3, Sheep: 3									
Standerton, Standerton Dierehospitaal									
Sheep: 3									
Volkstrust, Volkstrust Dierehospitaal									
Beef: 3, Sheep: 3									
North West									
Leeudoringstad, Leeudoringstad Dierekliniek									
Beef: 3, Sheep: 3									
Schweizer-Reneke, NJ Heyns									
Beef: 2									
Free State									
Bultfontein, Greylingrust Dierspreekkamer									
Beef: 3, Sheep: 3									
Clocolan, Clocolan Dierekliniek									
Beef: 3, Sheep: 3									
Hoopstad, Hoopstad Dierekliniek									
Beef: 3, Sheep: 3									
Memel, Memel Veterinary Clinic									
Beef: 3, Sheep: 3									

Parys, Parys Dierehospitaal									
Beef: 3									
Villiers, Wilgepoort Dierekliniek									
Beef: 3, Sheep: 3									
Vrede, Saulshoek Dierepraktyk									
Beef: 1									
Kwazulu-Natal									
Dundee, Endumeni Herd health									
Dairy: 3									
Estcourt, Estcourt Vet Clinic									
Beef: 2									
Pietermaritzburg, Richmond Veterinay Clinic									
Beef: 3, Sheep: 3, Goat: 3									
Underberg, Underberg Veterinary Surgery									
Beef: 3, Dairy: 3, Sheep: 3									
Vryheid, Vryheid Veterinary Clinic									
Dairy: 2									
Eastern Cape									
Alexandria, Alexandria Platteland Spreekkamer									
Dairy: 3									
Aliwal North, Casper Troskie									
Sheep: 1									
Calvinia, Calvinia Veeartskliniek									
Beef: 3, Sheep: 3									
Jeffreysbaai, Cape Cross Veterinary Hospital									
Dairy: 3									
Middelburg (EC), Steynsburg Dierehospitaal									
Sheep: 3									
Insect bites on sheeps' heads. Huge problem with mosquitoes due to standing water.									
Western Cape									
Heidelberg WC, Heidelberg Dierekliniek									
Beef: 3									
Riversdal, Riversdal Dierekliniek									
Beef: 3, Dairy: 3									
Swellendam, Swellendam Dierehospitaal									
Beef: 3									
Nuisance Flies									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.9 (7)			3.0 (2)	2.7 (10)	2.9 (17)	3.0 (5)	2.9 (8)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	2.8 (4)			3.0 (1)	2.8 (6)	2.8 (6)	3.0 (1)	3.0 (4)	
Dairy	3.0 (1)				1.0 (1)	3.0 (5)	3.0 (2)	3.0 (2)	
Sheep	3.0 (1)			3.0 (1)	3.0 (3)	3.0 (3)	3.0 (2)	2.5 (2)	
Goat	3.0 (1)					2.7 (3)			
Mpumalanga									
Delmas, Delmas									

Dairy: 3
Ermelo, Moregloed Veterinêre Spreekkamer
Beef: 2
Nelspruit, Nelspruit Animal Hospital
Beef: 3, Sheep: 3, Goat: 3
Standerton, Standerton Dierehospitaal
Beef: 3
Volksrust, Volksrust Dierehospitaal
Beef: 3
North West
Leeudoringstad, Leeudoringstad Dierekliniek
Beef: 3, Sheep: 3
Free State
Clocolan, Clocolan Dierekliniek
Beef: 3, Sheep: 3
Memel, Memel Veterinary Clinic
Beef: 3
Parys, Parys Dierehospitaal
Beef: 3
Reitz, Riemland Dierekliniek
Dairy: 1
Villiers, Wilgepoort Dierekliniek
Beef: 3, Sheep: 3
Vrede, Saulshoek Dierepraktik
Beef: 2
Winburg, Winburg Dierekliniek
Beef: 3, Sheep: 3
Kwazulu-Natal
Dundee, Endumeni Herd health
Beef: 3, Dairy: 3, Sheep: 3
Dundee, Mpati Veterinary Clinic
Beef: 3, Sheep: 3, Goat: 3
Howick, Howick Veterinary Clinic
Beef: 3, Dairy: 3
Maubatuba, Mtubatuba Animal Clinic
Beef: 3, Dairy: 3, Goat: 3
Mooi River, Mooirivier Vet Clinic
Beef: 3, Dairy: 3, Sheep: 3
Pongola, Pongola Animal Clinic
Beef: 2, Goat: 2
Vryheid, Vryheid Veterinary Clinic
Dairy: 3
Eastern Cape
Jeffreys Bay, Cape Cross Veterinary Hospital
Dairy: 3
Middelburg (EC), Steynsburg Dierehospitaal
Sheep: 3
Somerset East, Bosberg Vet Clinic
Beef: 3, Dairy: 3, Sheep: 3
Western Cape
George, George Animal Hospital
Beef: 3, Sheep: 3
Heidelberg WC, Heidelberg Dierekliniek
Beef: 3

Oudtshoorn, Oudtshoorn Dierekliniek
Sheep: 2
Riversdal, Riversdal Dierekliniek
Beef: 3, Dairy: 3
Stellenbosch, Stellenbosch Animal Hospital
Dairy: 3
Swellendam, Swellendam Dierehospitaal
Beef: 3

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

Free State									
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Dewetsdorp, Platkop Dierekliniek
Beef: 2
Bloemfontein, Langenhovenpark Dierekliniek
Beef: 2
Villiers, Wilgepoort Dierekliniek
Sheep: 1
Kwazulu-Natal
Vryheid, Vryheid Veterinary Clinic
Sheep: 3

Red legged ticks										^
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PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (2)			2.2 (6)	2.4 (5)	3.0 (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

Beef	2.0 (1)			2.0 (5)	2.5 (4)	3.0 (1)	2.0 (1)		
Dairy						3.0 (1)			
Sheep	2.0 (1)			3.0 (1)	2.0 (1)		2.0 (1)		

Mpumalanga									
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Standerton, Econovet
Beef: 2, Sheep: 2
North West
Christiana, Christiana Dierehospitaal
Beef: 2
Leeudoringstad, Leeudoringstad Dierekliniek
Beef: 1
Schweizer-Reneke, NJ Heyns

Beef: 3, Sheep: 3
Swartruggens, Swartruggens Veterinary Clinic
Beef: 3
Ventersdorp, Buffelsvlei Dierekliniek
Beef: 1
Free State
Bultfontein, Greylingrust Dierspreekkamer
Beef: 3
Memel, Memel Veterinary Clinic
Beef: 3
Parys, Parys Dierehospitaal
Beef: 1
Vrede, Saulshoek Dierpraktik
Beef: 3, Sheep: 2
Kwazulu-Natal
Underberg, Underberg Veterinary Surgery
Beef: 3, Dairy: 3
Eastern Cape
Graaff-Reinet, Graaff-Reinet Veterinary Clinic
Beef: 2, Sheep: 2

Resistant Blue Ticks										^
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PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average				3.0 (1)	2.0 (1)	2.5 (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

Beef				3.0 (1)	2.0 (1)	2.5 (2)			
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North West
Leeudoringstad, Leeudoringstad Dierekliniek
Beef: 3
Free State
Villiers, Wilgepoort Dierekliniek
Beef: 2
Kwazulu-Natal
Estcourt, Estcourt Vet Clinic
Beef: 2
Vryheid, Vryheid Veterinary Clinic
Beef: 3

Scab mites										^
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PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average					2.0 (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					2.0 (1)				
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Sheep									
2.0 (1)									
Free State									
Bultfontein, Greylingrust Dieresprekkamer									
Beef: 2									
Kwazulu-Natal									
Estcourt, Estcourt Vet Clinic									
Sheep: 2									
Screw Worm									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	3.0 (2)		2.3 (6)	2.5 (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									
Beef	3.0 (1)		2.4 (5)	2.5 (2)		2.0 (1)			
Sheep			2.0 (1)						
Goat	3.0 (1)					2.0 (1)			
Mpumalanga									
Nelspruit, Nelspruit Animal Hospital									
Beef: 3, Goat: 3									
Limpopo									
Bela-Bela, Warmbad Dierekliniek									
Beef: 3									
Machado, Blouberg Dierekliniek									
Beef: 3									
Modimolle, Henk Visser									
Beef: 2, Sheep: 2									
Nylstroom, Kranskop Dierekliniek									
Beef: 2									
Polokwane, Pietersburg Veterinary Clinic									
Beef: 2									
North West									
Rustenburg, Protea Dierekliniek									
Beef: 2									
Swartruggens, Swartruggens Veterinary Clinic									
Beef: 3									
Kwazulu-Natal									
Mtubatuba, Mtubatuba Animal Clinic									
Beef: 2, Goat: 2									
Tick-borne Diseases									
African Redwater									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.2 (8)	2.4 (5)	3.0 (1)	1.0 (1)	2.3 (10)	2.4 (12)	2.6 (7)	2.2 (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	2.1 (7)	2.5 (4)	3.0 (1)	1.0 (1)	2.2 (9)	2.2 (9)	3.0 (3)	2.5 (2)
Dairy	3.0 (1)	2.0 (1)			3.0 (1)	3.0 (3)	2.3 (4)	2.0 (3)

Mpumalanga								
Bethal, Bethal Dierekliniek								
Beef: 1								
Ermelo, Moregloed Veterinere Spreekkamer								
Beef: 2								
Several small outbreaks in beef cattle.								
Grootvlei, Grootvlei Dierekliniek								
Beef: 1								
Middelburg (M), Middelburg Dierehospitaal								
Beef: 3								
This month some of the worst mortalities seen in herds that were not vaccinated								
Piet Retief, Petsvet								
Beef: 2								
Standerton, Econovet								
Beef: 3								
Standerton, Standerton Dierehospitaal								
Beef: 3								
Severe infections with numerous mortalities and hundreds of affected animals.								
Dairy: 3								
Severe infections with many mortalities.								
Gauteng								
Nigel, Nigel								
Beef: 2								
Seven young calves that were brought into the area from Morgenzon died from African redwater.								
Pretoria, Hanneke Pienaar								
Beef: 3								
Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic								
Beef: 2, Dairy: 2								
Rivonia, Feedlot vets								
Beef: 3								
Mortalities in calves due to redwater occurred in numerous feedlots.								
Limpopo								
Machado, Blouberg Dierekliniek								
Beef: 3								
North West								
Brits, Brits Dierekliniek								
Beef: 1								
Free State								
Clocolan, Clocolan Dierekliniek								
Beef: 2								
Ficksburg, Woody Kotze								
Beef: 1								
Frankfort, Frankfort Dierekliniek								
Beef: 3								
Harrismith, Harrismith Dierehospitaal								
Beef: 2, Dairy: 3								
Memel, Memel Veterinary Clinic								
Beef: 3								

Viljoenskroon, Viljoenskroon Dierekliniek
Beef: 2
Blue tick numbers increased and with it the incidence of redwater
Villiers, Wilgepoort Dierekliniek
Beef: 2
Vrede, Saulshoek Dierpraktik
Beef: 2
Winburg, Winburg Dierekliniek
Beef: 3
Kwazulu-Natal
Camperdown, Camperdown Vet Clinic
Beef: 1
Bergville, Tugela Vet Clinic
Beef: 1
Dundee, Endumeni Herd health
Beef: 3
Estcourt, Estcourt Vet Clinic
Beef: 3
Outbreaks associated with blue tick numbers
Ingogo, Ingogo Vet
Beef: 1
Mtubatuba, Mtubatuba Animal Clinic
Beef: 2, Dairy: 3
Pietermaritzburg, Richmond Veterinay Clinic
Beef: 3
Perennial
Underberg, Underberg Veterinary Surgery
Beef: 3, Dairy: 3
Vryheid, Vryheid Veterinary Clinic
Beef: 3, Dairy: 3
Eastern Cape
Alexandria, Alexandria Platteland Spreekkamer
Dairy: 1
Humansdorp, Humansdorp Veterinary Clinic
Beef: 3
Jeffreys Bay, Cape Cross Veterinary Hospital
Dairy: 2
Somerset East, Bosberg Vet Clinic
Beef: 3
Cattle moved from coastal areas to Somerset East. Local naive cattle were infected with ticks, carrying redwater parasites, that came in with the cattle. Seven and 12 cattle died on 2 farms respectively.
Dairy: 3
Uitenhage, Uitenhage Dierehospitaal
Beef: 3, Dairy: 3
Western Cape
George, George Animal Hospital
Beef: 3
The rain that fell every 2 weeks led to large tick burdens causing many redwater cases
Dairy: 3
Heidelberg WC, Heidelberg Dierekliniek
Beef: 2
Malmesbury, Bergzicht Dierehospitaal
Dairy: 1
Malmesbury, Otto Kriek

Dairy: 2

Anaplasmosis									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.5 (6)	2.3 (3)	1.0 (1)	2.3 (4)	2.1 (16)	2.0 (6)	2.0 (7)	2.4 (8)	

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

Beef	2.3 (4)	2.5 (2)	1.0 (1)	2.3 (4)	2.2 (12)	2.0 (6)	1.8 (4)	2.3 (3)	
Dairy	3.0 (2)	2.0 (1)			2.0 (4)		2.3 (3)	2.4 (5)	

Mpumalanga									
Grootvlei, Grootvlei Dierekliniek									
Beef: 2									
Middelburg (M), Middelburg Dierehospitaal									
Beef: 1									
Standerton, Standerton Dierehospitaal									
Beef: 3, Dairy: 3									
Huge problem in dairy cattle									
Volksrust, Volksrust Dierehospitaal									
Beef: 3, Dairy: 3									
Gauteng									
Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic									
Beef: 2, Dairy: 2									
Rivonia, Feedlot vets									
Beef: 3									
Mortalities in calves due to anaplasmosis occurred in numerous feedlots.									
Limpopo									
Mokopane, Henk Visser									
Beef: 1									
North West									
Christiana, Christiana Dierehospitaal									
Beef: 3									
Schweizer- Reneke, NJ Heyns									
Beef: 1									
Swartruggens, Swartruggens Veterinary Clinic									
Beef: 2									
Ventersdorp, Buffelsvlei Dierekliniek									
Beef: 3									
Free State									
Bothaville, Cape Cross Bothaville Veterinary Hospital									
Beef: 1, Dairy: 1									
Clocolan, Clocolan Dierekliniek									
Beef: 3									
Ficksburg, Woody Kotze									
Beef: 1									
Frankfort, Frankfort Dierekliniek									
Beef: 3									
Harrismith, Harrismith Dierehospitaal									

Beef: 2, Dairy: 3
Hoopstad, Hoopstad Dierekliniek
Beef: 1
Bloemfontein, Langenhovenpark Dierekliniek
Beef: 3
Numerous cases of anaplasmosis occurred in all areas during the last 3 weeks
Dairy: 2
Memel, Memel Veterinary Clinic
Beef: 3
Parys, Parys Dierehospitaal
Beef: 2
Reitz, Riemland Dierekliniek
Beef: 2, Dairy: 2
Villiers, Wilgepoort Dierekliniek
Beef: 2
Winburg, Winburg Dierekliniek
Beef: 3
Kwazulu-Natal
Dundee, Mpati Veterinary Clinic
Beef: 2
Estcourt, Estcourt Vet Clinic
Beef: 2
Ingogo, Ingogo Vet
Beef: 2
Mtubatuba, Mtubatuba Animal Clinic
Beef: 2
Pietermaritzburg, Richmond Veterinary Clinic
Beef: 2
Perennial outbreaks
Underberg, Underberg Veterinary Surgery
Beef: 2
Eastern Cape
Aliwal North, Uitspan C Troskie
Beef: 1
Graaff-Reinet, Camdeboo Veterinary Clinic
Beef: 1
Jeffreys Bay, Cape Cross Veterinary Hospital
Dairy: 2
Somerset East, Bosberg Vet Clinic
Beef: 2, Dairy: 2
Uitenhage, Uitenhage Dierehospitaal
Beef: 3, Dairy: 3
Western Cape
Ceres, Ceres Veterinary Hospital
Beef: 2
George, George Animal Hospital
Beef: 3
The rain that fell every 2 weeks led to large tick burdens causing many redwater cases
Dairy: 3
Malmesbury, Bergzicht Dierehospitaal
Dairy: 1
Malmesbury, Malmesbury Dierehospitaal
Dairy: 3
Malmesbury, Otto Kriek

Dairy: 2									
Plettenberg Bay, André Reitz									
Beef: 2									
Stellenbosch, Stellenbosch Animal Hospital									
Dairy: 3									
Asiatic Redwater									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.6 (10)	2.2 (5)	2.5 (4)		1.8 (9)	2.5 (14)	2.2 (5)	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	2.5 (8)	2.3 (3)	2.5 (4)		1.6 (8)	2.5 (12)	2.3 (3)	2.0 (2)	
Dairy	3.0 (2)	2.0 (2)			3.0 (1)	3.0 (2)	2.0 (2)	3.0 (1)	
Mpumalanga									
Bethal, Bethal Dierekliniek									
Beef: 2									
Ermelo, Moregloed Veterinere Spreekkamer									
Beef: 2									
Several small outbreaks in beef cattle.									
Lydenburg, Lydenburg Dieresprekkamer									
Beef: 2									
Middelburg (M), Middelburg Dierehospitaal									
Beef: 3									
This month some of the worst mortalities seen in herds that were not vaccinated									
Piet Retief: Petsvet									
Beef: 2									
Standerton, Econovet									
Beef: 3									
Standerton, Standerton Dierehospitaal									
Beef: 3									
Severe redwater outbreaks with numerous mortalities and hundreds of affected animals.									
Dairy: 3									
Severe outbreaks with numerous mortalities.									
Volkswater, Volkswater Dierehospitaal									
Beef: 3, Dairy: 3									
Gauteng									
Bronkhorstspuit, Kerkstraat Dierekliniek									
Beef: 2, Dairy: 2									
Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic									
Beef: 2, Dairy: 2									
Rivonia, Feedlot vets									
Beef: 3									
Mortalities in calves due to redwater occurred in numerous feedlots.									
Limpopo									
Machado, Blouberg Dierekliniek									
Beef: 2									
Mokopane, Henk Visser									
Beef: 2									
Polokwane, Pietersburg Veterinary Clinic									

Beef: 3
Outbreaks associated with blue tick population explosion
Tzaneen, Tzaneen animal clinic
Beef: 3
Free State
Bethlehem, Bethlehem Animal Hospital
Beef: 2
Frankfort, Frankfort Dierekliniek
Beef: 3
Harrismith, Harrismith Dierehospitaal
Beef: 2
Especially African redwater but a few cases of Asiatic redwater
Dairy: 3
Heilbron, Heilbron Dierekliniek
Beef: 1
Parys, Parys Dierehospitaal
Beef: 1
Reitz, Riemland Dierekliniek
Beef: 1
Villiers, Wilgepoort Dierekliniek
Beef: 2
Vrede, Saulshoek Dierepraktyk
Beef: 1
Kwazulu-Natal
Bergville, Tugela Vet Clinic
Beef: 2
Still many cases
Dundee, Endumeni Herd health
Beef: 3
High mortality rate, very short duration of illness before death, many have just been found dead. I have had quite a few abortions post redwater
Dundee, Mpati Veterinary Clinic
Beef: 2
7 oxen in a herd of 140 treated, 1 died . Blocked the herd
Estcourt, Estcourt Vet Clinic
Beef: 2
Greytown, Greytown Veterinary Hospital
Beef: 2
This disease is becoming an increasing problem.
Howick, Howick Veterinary Clinic
Beef: 3
Mtubatuba, Mtubatuba Animal Clinic
Beef: 2
Mooi River, Mooi Rivier Vet Clinic
Beef: 3
Large outbreaks
Pietermaritzburg, Richmond Veterinary Clinic
Beef: 2
Perennial occurrence
Pietermaritzburg, Rick Mapham
Beef: 2
Underberg, Underberg Veterinary Surgery
Beef: 3, Dairy: 3
Vryheid, Vryheid Veterinary Clinic

Beef: 3, Dairy: 3									
Eastern Cape									
Humansdorp, Humansdorp Veterinary Clinic									
Beef: 3									
Somerset East, Bosberg Vet Clinic									
Beef: 1, Dairy: 1									
Uitenhage, Uitenhage Dierehospitaal									
Beef: 3, Dairy: 3									
Western Cape									
George, George Animal Hospital									
Beef: 3									
The rain that fell every 2 weeks led to large tick burdens leading to many red water cases									
Dairy: 3									
Swellendam, Swellendam Dierehospitaal									
Beef: 1									
Heartwater									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)	1.7 (3)	2.3 (11)	2.8 (4)		2.6 (16)	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	1.0 (1)	1.0 (1)	2.0 (5)	2.7 (3)		2.6 (5)			
Dairy						2.7 (3)	1.5 (2)		
Sheep		2.0 (2)	2.5 (4)	3.0 (1)		2.7 (3)			
Goat			2.5 (2)			2.6 (5)	1.0 (1)		
Mpumalanga									
Volksrust, Volksrust Dierehospitaal									
Beef: 1									
Gauteng									
Bronkhorstspuit, Kerkstraat Dierkliniek									
Beef: 1									
Pretoria, Hanneke Pienaar									
Sheep: 1									
Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic									
Sheep: 3									
Limpopo									
Machado, Blouberg Dierkliniek									
Beef: 3, Sheep: 2									
Mokopane, Henk Visser									
Beef: 1, Sheep: 2, Goat: 2									
Modimolle, Kranskop Dierkliniek									
Beef: 3, Sheep: 3									
Tzaneen, Tzaneen animal clinic									
Beef: 3, Sheep 3, Goats 3									
Vaalwater, Vaalwater Dieresprekkamer									
Beef: 1									
North West									
Brits, Brits Dierkliniek									
Beef: 3									

Several cases reported in the Hartebeestpoort dam, Skeerpoort and Hekpoort areas. Success to treatment varies.

Stella, Stella Dierekliniek

Beef: 3, Sheep: 3

Swartruggens, Swartruggens Veterinary Clinic

Beef: 2

Kwazulu-Natal

Dundee, Endumeni Herd health

Beef: 3

Mortality rate have been high in animals treated too late

Sheep: 3, Goat: 3

Mortality rate have been high in animals treated too late

Estcourt, Estcourt Vet Clinic

Beef: 2

Mtubatuba, Mtubatuba Animal Clinic

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

Pongola, Pongola Animal Clinic

Dairy: 2, Goat: 2

Pietermaritzburg, Richmond Veterinay Clinic

Beef: 2

Perennial

Sheep: 2

Perennial

Goat: 2

Vryheid, Vryheid Veterinary Clinic

Beef: 3, Dairy: 3, Goat: 3

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Dairy: 1

Normal for this time of year

Graaff-Reinet, Camdeboo Veterinary Clinic

Goat: 1

Jansenville

Jeffreys Bay, Cape Cross Veterinary Hospital

Dairy: 2

Sweating Sickness

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average		2.0 (3)	1.7 (3)	1.9 (7)	2.0 (2)	2.3 (3)			2.0 (1)

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

Beef		2.0 (2)	1.7 (3)	1.9 (7)	2.0 (2)	2.0 (2)			2.0 (1)
Dairy		2.0 (1)				3.0 (1)			

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 2, Dairy: 2

Pretoria, Hanneke Pienaar

Beef: 2

Limpopo

Machado, Blouberg Dierekliniek

Beef: 2
Polokwane, Pietersburg Veterinary Clinic
Beef: 1
Tzaneen, Tzaneen animal clinic
Beef: 2
North West
Christiana, Christiana Dierehospitaal
Beef: 1
Leeudoringstad, Leeudoringstad Dierekliniek
Beef: 3
Rustenburg, Protea Dierekliniek
Beef: 2
Schweizer-Reneke, NJ Heyns
Beef: 2
Stella, Stella Dierekliniek
Beef: 3
Swartruggens, Swartruggens Veterinary Clinic
Beef: 1
Ventersdorp, Buffelsvlei Dierekliniek
Beef: 1
Free State
Hoopstad, Hoopstad Dierekliniek
Beef: 1
Parys, Parys Dierehospitaal
Beef: 3
Kwazulu-Natal
Pongola, Pongola Animal Clinic
Beef: 1
Vryheid, Vryheid Veterinary Clinic
Beef: 3, Dairy: 3
Northern Cape
Kimberley, Kimberley Dierekliniek
Beef: 2

Insect Transmittable Diseases

Blue Tongue									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.2 (7)	3.0 (2)	2.0 (2)	1.5 (4)	2.4 (12)	2.5 (4)	2.3 (4)	2.3 (7)	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	2.2 (7)	3.0 (2)	2.0 (2)	1.5 (4)	2.4 (12)	2.5 (4)	2.3 (4)	2.1 (6)	2.5 (2)
Goat	3.0 (1)								

Mpumalanga
Bethal, Bethal Dierekliniek
Sheep: 2
Ermelo, Moregloed Veterinêre Spreekkamer

Sheep: 2
Middelburg (M), Middelburg Dierehospitaal
Sheep: 3
Nelspruit, Nelspruit Animal Hospital
Sheep: 1
Piet Retief: Petsvet
Sheep: 3
Standerton, Standerton Dierehospitaal
Sheep: 1
Volksrust, Volksrust Dierehospitaal
Sheep: 2
Gauteng
Bronkhorstspuit, Kerkstraat Dierekliniek
Sheep: 3
Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic
Sheep: 3
Lots of cases but rare mortality
Limpopo
Machado, Blouberg Dierekliniek
Sheep: 3
Modimolle, Kranskop Dierekliniek
Sheep: 1
North West
Brits, Brits Dierekliniek
Sheep: 1
Christiana, Christiana Dierehospitaal
Sheep: 2
Rustenburg, Protea Dierekliniek
Sheep: 2
Swartruggens, Swartruggens Veterinary Clinic
Sheep: 1
Blue tongue occurred in unvaccinated herds, and was confirmed at the Agricultural Research Council
Free State
Bultfontein, Greylingrust Dierspreekkamer
Sheep: 2
Clocolan, Clocolan Dierekliniek
Sheep: 3
Dewetsdorp, Platkop Dierekliniek
Sheep: 3
Ficksburg, Woody Kotze
Sheep: 3
Heilbron, Heilbron Dierekliniek
Sheep: 3
Hoopstad, Hoopstad Dierekliniek
Sheep: 3
First blue tongue cases of the season
Bloemfontein, Langenhovenpark Dierekliniek
Sheep: 3
Reitz, Riemland Dierekliniek
Sheep: 2
Villiers, Wilgepoort Dierekliniek
Sheep: 2
Vrede, Saulshoek Dierpraktijk

Sheep: 1
Winburg, Winburg Dierekliniek
Sheep: 3
Zastron, Zastron Dierekliniek
Sheep: 1
Kwazulu-Natal
Bergville, Tugela Vet Clinic
Sheep: 3
Many flocks affected. If sheep were vaccinated properly they were protected, non vaccinated flocks are struggling
Dundee, Endumeni Herd health
Sheep: 1
Mooi River, Mooi Rivier Vet Clinic
Sheep: 3
Two deaths due to blue tongue
Vryheid, Vryheid Veterinary Clinic
Sheep: 3
Eastern Cape
Aliwal North, Uitspan C Troskie
Sheep: 1
Graaff-Reinet, Graaff-Reinet Veterinary Clinic
Sheep: 3
Up to 3% of flocks are affected
Somerset East, Bosberg Vet Clinic
Sheep: 3
Stutterheim, Stutterheim Veterinary Clinic
Sheep: 2
Introduced hamels from Karoo areas. Highly susceptible. Young lambs not fully vaccinated caught early.
Western Cape
Beaufort West, Beaufort West State Vet
Sheep: 3
Very good rains in the Karoo has led to the early outbreak of Bluetongue virus. The areas of the outbreaks are more concentrated in the Laingsburg district in the west and the Murraysburg district in the east. The BT type/types involved does not seem to be very aggressive as there are only a few mortalities. Lack of good vaccination programs also influence the outbreak.
Goat: 3
Very good rains in the Karoo has led to the early outbreak of Bluetongue virus. The areas of the outbreaks are more concentrated in the Laingsburg district in the west and the Murraysburg district in the east. The BT type/types involved does not seem to be very aggressive as there are only a few mortalities. Lack of good vaccination programs also influence the outbreak.
Caledon, Overberg Veterinary Hospital
Sheep: 2
Heidelberg WC, Heidelberg Dierekliniek
Sheep: 3
Malmesbury, Bergzicht Dierehospitaal
Sheep: 1
Swellendam, Swellendam Dierehospitaal
Sheep: 2
Vredenburg, Vredenburg Dierehospitaal
Sheep: 2
3 flocks, 2-3 sheep with blue tongue in each flock.
Northern Cape
De Aar, De Aar Veterinary Clinic
Sheep: 2
Upington, Veeartsenykliniek Upington

Sheep: 3

Outbreaks in sheep flocks, less than 6% in a flock and mortalities of 1% in a flock.

Lumpy Skin Disease									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.8 (10)	1.3 (3)	2.8 (4)	2.0 (2)	2.3 (15)	2.7 (16)	2.3 (3)	2.7 (12)	3(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	2.9 (7)	1.5 (2)	2.7 (3)	2.0 (2)	2.2 (10)	2.6 (9)	2.0(1)	2.7 (6)	3 (1)
Dairy	2.3 (3)	1.0 (1)	3.0 (1)		2.4 (5)	2.9 (7)	2.5 (2)	2.7 (6)	

Mpumalanga
Bethal, Bethal Dierekliniek
Beef: 2, Dairy: 1
Many requests for medication and treatment
Ermelo, Joubertstraat Dierekliniek
Beef: 3
Ermelo, Moregloed Veterinere Spreekkamer
Beef: 3
Widespread disease occurrence
Piet Retief, Petsvet
Beef: 3
Standerton, Econovet
Beef: 3
Standerton, Standerton Dierehospitaal
Beef: 3
Mostly young animals affected
Dairy: 3
Volksrust, Volksrust Dierehospitaal
Beef: 3, Dairy: 3
Gauteng
Bronkhorstspuit, Kerkstraat Dierekliniek
Beef: 1, Dairy: 1
Rivonia, Feedlot vets
Beef: 2
Limpopo
Bela-Bela, Warmbad Dierekliniek
Beef: 2
Machado, Blouberg Dierekliniek
Beef: 3, Dairy: 3
Tzaneen, Tzaneen animal clinic
Beef: 3
North West
Leeudoringstad, Leeudoringstad Dierekliniek
Beef: 2
Rustenburg, Protea Dierekliniek
Beef: 2
Free State

Bothaville, Cape Cross Bothaville Veterinary Hospital
Beef: 1, Dairy: 1
Frankfort, Frankfort Dierekliniek
Beef: 2, Dairy: 2
Harrismith, Harrismith Dierehospitaal
Beef: 3
Acute and severe outbreaks – some farms have lost up to 7 animals in spite of supportive treatment
Dairy: 3
Hoopstad, Hoopstad Dierekliniek
Beef: 3
Bloemfontein, Langenhovenpark Dierekliniek
Beef: 3
Parys, Parys Dierehospitaal
Beef: 1
Reitz, Riemland Dierekliniek
Beef: 2
Villiers, Wilgepoort Dierekliniek
Beef: 3, Dairy: 3
Vrede, Saulshoek Dierepraktyk
Beef: 2
Winburg, Winburg Dierekliniek
Beef: 2, Dairy: 3
Kwazulu-Natal
Dundee, Endumeni Herd health
Beef: 3
High incidence in unvaccinated herds
Dairy: 3
High incidence in unvaccinated herds
Dundee, Mpati Veterinary Clinic
Beef: 2
Mild cases in vaccinated cattle – Allerton strain. Severe, sporadic cases in mainly young cattle in non-immunised herds
Estcourt, Estcourt Vet Clinic
Beef: 2, Dairy: 2
Howick, Howick Veterinary Clinic
Beef: 3, Dairy: 3
Mtubatuba, Mtubatuba Animal Clinic
Beef: 3
Cattle in the communal grazing area have a large outbreak, commercial farmers that vaccinated have had no cases
Dairy: 3
Mooi River, Mooi Rivier Vet Clinic
Beef: 1
Pongola, Pongola Animal Clinic
Beef: 3
Continuing to be the most prevalent problem
Dairy: 3
Underberg, Underberg Veterinary Surgery
Beef: 3, Dairy: 3
Vryheid, Vryheid Veterinary Clinic
Beef: 3, Dairy: 3
Eastern Cape
Jeffreys Bay, Cape Cross Veterinary Hospital
Dairy: 3

Somerset East, Bosberg Vet Clinic
Beef: 2, Dairy: 2
Western Cape
Ceres, Ceres Veterinary Hospital
Beef: 3
George, George Animal Hospital
Beef: 2
LSD even occurred on farms where animals were vaccinated but symptoms were not so serious.
Dairy: 2
Heidelberg WC, Heidelberg Dierekliniek
Beef: 3
Malmesbury, Bergzicht Dierehospitaal
Dairy: 3
Malmesbury, Malmesbury Dierehospitaal
Dairy: 3
Malmesbury, Otto Kriek
Dairy: 2
Riversdal, Riversdal Dierekliniek
Beef: 3, Dairy: 3
Swellendam, Swellendam Dierehospitaal
Beef: 3, Dairy: 3
Vredenburg, Vredenburg Dierehospitaal
Beef: 2
LSD occurred in cattle of small scale farmers that were not vaccinated
Northern Cape
Calvinia, Calvinia Veeartskliniek
Beef: 3

Nagana									^
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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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Kwazulu-Natal
Mtubatuba, Mtubatuba Animal Clinic
Beef: 3

Three-day-stiffsickness									^
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PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average	2.8 (14)	2.0 (4)	2.7 (8)	2.0 (7)	2.3 (17)	2.4 (18)	2.0 (3)	2.4 (5)	
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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	2.8 (10)	2.0 (2)	2.6 (7)	2.0 (6)	2.3	2.4 (12)	2.0 (1)	2.3 (3)	
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					(10)			
Dairy	2.8 (4)	2.0 (2)	3.0 (1)	2.0 (1)	2.3 (7)	2.7 (6)	2.0 (2)	2.5 (2)

Mpumalanga								
Bethal, Bethal Dierekliniek								
Beef: 2								
Many requests for medication and treatment								
Dairy: 2								
Many requests for medication and treatment								
Delmas, Delmas								
Dairy: 3								
Ermelo, Joubertstraat Dierekliniek								
Beef: 3								
Ermelo, Moregloed Veterinêre Spreekkamer								
Beef: 3								
The unavailability of three-day-stiff sickness vaccine should be addressed urgently.								
Lydenburg, Lydenburg Dieresprekkamer								
Beef: 2								
Middelburg (M), Middelburg Dierehospitaal								
Beef: 2								
This insect transmitted disease increased dramatically								
Nelspruit, Nelspruit Animal Hospital								
Beef: 3								
Piet Retief, Petsvet								
Beef: 3								
Standerton, Econovet								
Beef: 3								
Standerton, Standerton Dierehospitaal								
Beef: 3, Dairy: 3								
Huge milk losses occurred.								
Volksrust, Volksrust Dierehospitaal								
Beef: 3, Dairy: 3								
Gauteng								
Bronkhorstspuit, Kerkstraat Dierekliniek								
Beef: 2, Dairy: 2								
Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic								
Beef: 2, Dairy: 2								
Some severe cases occurred								
Limpopo								
Bela-Bela, Warmbad Dierekliniek								
Beef: 3								
Bulls severely affected								
Machado, Blouberg Dierekliniek								
Beef: 3, Dairy: 3								
Mokopane, Henk Visser								
Beef: 1								
Modimolle, Kranskop Dierekliniek								
Beef: 3								
Polokwane, Pietersburg Veterinary Clinic								
Beef: 3								
Many cases seen recently – heavier animals appear to be most severely affected.								
Tzaneen, Tzaneen animal clinic								
Beef: 3								
Vaalwater, Vaalwater Dieresprekkamer								

Beef: 2
North West
Brits, Brits Dierekliniek
Beef: 3
Widespread outbreak of Three Day Stiff Sickness in Brits – Hekpoort Area. Most cattle farms report cases
Christiana, Christiana Dierehospitaal
Beef: 1
Leeudoringstad, Leeudoringstad Dierekliniek
Beef: 2
Rustenburg, Protea Dierekliniek
Beef: 2
Several cases after rains
Schweizer-Reneke, NJ Heyns
Beef: 2, Dairy: 2
Swartruggens, Swartruggens Veterinary Clinic
Beef: 2
Free State
Bultfontein, Greylingrust Dierspreekkamer
Beef: 2
Ficksburg, Woody Kotze
Beef: 1, Dairy: 1
Frankfort, Frankfort Dierekliniek
Beef: 2, Dairy: 2
Heilbron, Heilbron Dierekliniek
Beef: 2, Dairy: 2
Bloemfontein, Langenhovenpark Dierekliniek
Beef: 3
Twenty cows with three day stiff sickness in the Dewetsdorp area
Dairy: 3
Memel, Memel Veterinary Clinic
Beef: 3
Reitz, Riemland Dierekliniek
Beef: 3, Dairy: 3
Viljoenskroon, Viljoenskroon Dierekliniek
Beef: 2
Villiers, Wilgepoort Dierekliniek
Beef: 2, Dairy: 2
Winburg, Winburg Dierekliniek
Beef: 3, Dairy: 3
Kwazulu-Natal
Camperdown, Camperdown Vet Clinic
Beef: 2
Bergville, Tugela Vet Clinic
Beef: 1
Dundee, Endumeni Herd health
Beef: 3
Mostly fairly mild cases.
Dairy: 3
Estcourt, Estcourt Vet Clinic
Beef: 1, Dairy: 1
Howick, Howick Veterinary Clinic
Beef: 3, Dairy: 3
Ingogo, Ingogo Vet
Beef: 1

Mtubatuba, Mtubatuba Animal Clinic									
Beef: 3									
Started getting cases especially in the communal grazing areas.									
Dairy: 3									
Mtunzini, Peter Ardington									
Beef: 3									
Numerous three day stiff sickness cases were seen in cattle as far inland as Vryheid. Nguni's recover fast but other breeds have several mortalities or downer cows that have to be euthanased after 2 weeks.									
Newcastle, Ncandovet Newcastle									
Beef: 3									
Number of herds affected – young unvaccinated animals. Other insect borne viral conditions unusually quiet for this time of year									
Dairy: 3									
Pongola, Pongola Animal Clinic									
Beef: 3									
Dairy: 3									
Pietermaritzburg, Richmond Veterinary Clinic									
Beef: 2									
Vryheid, Vryheid Veterinary Clinic									
Beef: 3									
Eastern Cape									
Alexandria, Alexandria Platteland Spreekkamer									
Dairy: 2									
Somerset East, Bosberg Vet Clinic									
Beef: 2, Dairy: 2									
Western Cape									
Ceres, Ceres Veterinary Hospital									
Beef: 2									
George, George Animal Hospital									
Beef: 3									
Large outbreaks where animals were not vaccinated									
Dairy: 3									
Large outbreaks where animals were not vaccinated									
Swellendam, Swellendam Dierehospitaal									
Beef: 2, Dairy: 2									
Venereal Diseases									
Pizzle rot									^
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)
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)	3.0 (1)	3.0 (1)
Eastern Cape									
Graaff-Reinet, Camdeboo Veterinary Clinic									
Sheep: 1									
Western Cape									
Beaufort West, Beaufort West State Vet									

Sheep: 3

Several areas are affected with peestersiekte. There is very little known about the epidemiology of the disease and early detection before an outbreak seems to be impossible. The current treatment regime with tulathromycin and Acriflavine/Glycerine seem to produce the most promising results

Northern Cape

De Aar, De Aar Veterinary Clinic

Sheep: 3

Trichomonosis

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.3 (4)		2.5 (2)	1.5 (2)	2.5 (4)	1.0 (2)	1.0 (1)	1.0 (1)	1.0 (1)

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

Beef	1.3 (4)		2.5 (2)	1.5 (2)	2.5 (4)	1.0 (2)	1.0 (1)	1.0 (1)	1.0 (1)
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Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Ermelo, Joubertstraat Dierekliniek

Beef: 2

Five out of 12 bulls tested positive

Standerton, Standerton Dierehospitaal

Beef: 1

Volksrust, Volksrust Dierehospitaal

Beef: 1

Limpopo

Machado, Blouberg Dierekliniek

Beef: 2

Polokwane, Pietersburg Veterinary Clinic

Beef: 3

North West

Rustenburg, Protea Dierekliniek

Beef: 1

Schweizer-Reneke, NJ Heyns

Beef: 2

Free State

Frankfort, Frankfort Dierekliniek

Beef: 3

Hoopstad, Hoopstad Dierekliniek

Beef: 3

Still a problem in the area

Reitz, Riemland Dierekliniek

Beef: 1

Villiers, Wilgepoort Dierekliniek

Beef: 3

Kwazulu-Natal

Bergville, Tugela Vet Clinic

Beef: 1

Mtubatuba, Mtubatuba Animal Clinic

Beef: 1

Eastern Cape									
Graaff-Reinet, Graaff-Reinet Veterinary Clinic									
Beef: 1									
Western Cape									
Stellenbosch, Provincial Veterinary Laboratory									
Beef: 1									
Eastern Cape: <i>Trichostrongylus axei</i> was isolated from a sheath wash.									
Northern Cape									
Kimberley, Kimberley Diereklinië									
Beef: 1									

Vibriosis									^
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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)

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)
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Limpopo									
Machado, Blouberg Diereklinië									
Beef: 1									
Free State									
Clocolan, Clocolan Diereklinië									
Beef: 1									
Winburg, Winburg Diereklinië									
Beef: 1									
Northern Cape									
Kimberley, Kimberley Diereklinië									
Beef: 1									

Bacterial Diseases (other)									
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Blackquarter (Quarter Evil)									^
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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 (7)	1.8 (5)	2.3 (4)	2.0 (1)	

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

Beef	3.0 (1)	3.0 (1)		1.0 (1)	2.0 (6)	1.7 (3)	2.3 (3)	2.0 (1)	
Dairy						2.0 (2)	2.0 (1)		
Sheep					2.0 (1)				

Mpumalanga									
Volksrust, Volksrust Dierehospitaal									
Beef: 3									
Gauteng									
Rivonia, Feedlot vets									

Beef: 3
North West
Ventersdorp, Buffelsvlei Dierekliniek
Beef: 1
Free State
Clocolan, Clocolan Dierekliniek
Beef: 3
Frankfort, Frankfort Dierekliniek
Beef: 2
Memel, Memel Veterinary Clinic
Beef: 1
Reitz, Riemland Dierekliniek
Beef: 2
Villiers, Wilgepoort Dierekliniek
Beef: 2
Vrede, Saulshoek Dierepraktyk
Sheep: 2
Winburg, Winburg Dierekliniek
Beef: 2
Kwazulu-Natal
Estcourt, Estcourt Vet Clinic
Beef: 2, Dairy: 2
Newcastle, Ncandovet Newcastle
Beef: 1
Underberg, Underberg Veterinary Surgery
Beef: 2, Dairy: 2
Eastern Cape
Aliwal North, Uitspan C Troskie
Beef: 2
Jeffreys Bay, Cape Cross Veterinary Hospital
Dairy: 2
Middelburg (EC), Steynsburg Dierehospitaal
Beef: 3
Somerset East, Bosberg Vet Clinic
Beef: 2
Western Cape
Plettenberg Bay, André Reitz
Beef: 2

Botulism									^
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PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average				1.0 (1)	1.5 (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

Beef				1.0 (1)	1.5 (2)				
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North West
Christiana, Christiana Dierehospitaal
Beef: 1
Free State

Bultfontein, Greylingrust Dieresprekkamer									
Beef: 2									
Heifers were only vaccinated once in October 2013. A booster vaccination was not given, 3 heifers died. Animals drink water in vleis, open standing water and water troughs.									
Hoopstad, Hoopstad Dierekliniek									
Beef: 1									
<i>Brucella abortus</i> (Bovine brucellosis) and <i>B. ovis</i> (Ram's disease)									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (2)		2.7 (3)	3.0 (1)	2.0 (9)		2.0 (2)	2.5 (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	1.0 (1)		2.7 (3)	3.0 (1)	2.3 (7)		1.0 (1)	2.0 (1)	1.0 (1)
Dairy	3.0 (1)				1.0 (2)				
Sheep							3.0 (1)	3.0 (1)	
Mpumalanga									
Delmas, Delmas									
Dairy: 3									
Standerton, Standerton Dierehospitaal									
Beef: 1									
Limpopo									
Machado, Blouberg Dierekliniek									
Beef: 3									
Polokwane, Pietersburg Veterinary Clinic									
Beef: 3									
Tzaneen, Tzaneen animal clinic									
Beef: 2									
2 positive cases									
North West									
Lichtenburg, CM Kruger-Rall									
Beef: 3									
41 animals tested positive									
Free State									
Bethlehem, Bethlehem Animal Hospital									
Beef: 1									
Herd tested negative, now again positive									
Dairy: 1									
Ficksburg, Woody Kotze									
Beef: 2									
Five positive herds									
Hoopstad, Hoopstad Dierekliniek									
Beef: 3									
Still a problem in the area									
Reitz, Riemland Dierekliniek									
Beef: 1, Dairy: 1									
Viljoenskroon, Viljoenskroon Dierekliniek									
Beef: 3									
Villiers, Wilgepoort Dierekliniek									
Beef: 3									

Vrede, Saulshoek Dierepraktyk									
Beef: 3									
Clinical cases as well as vaccination reactions from Strain 19 that were given too late									
Eastern Cape									
Somerset East, Bosberg Vet Clinic									
Beef: 1, Sheep: 3									
28 out of 40 rams tested positive.									
Western Cape									
Beaufort West, Beaufort West State Vet									
Sheep: 3									
Large numbers of rams infected with <i>Brucella ovis</i> (mainly Dorper rams) are still being detected. The reasons being vaccination of young rams are not done or not done correctly, rams are not tested for breeding soundness on a regular basis and poor biosecurity with regards to new rams that are brought in.									
George, George Animal Hospital									
Beef: 2									
Northern Cape									
Kimberley, Kimberley Dierekliniek									
Beef: 1									
Dermatophilosis (Lumpy Wool)									
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)				
Free State									
Reitz, Riemland Dierekliniek									
Sheep: 2									
E.coli									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.3 (6)				2.0 (2)	2.3 (4)	1.0 (1)	2.5 (4)	3.0 (1)
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	2.0 (3)				2.0 (2)	3.0 (1)	1.0 (1)	2.3 (3)	
Dairy	3.0 (2)					2.0 (3)		3.0 (1)	
Sheep	2.0 (1)								3.0 (1)
Mpumalanga									
Balfour, Balfour Dierekliniek									
Beef: 2									
Delmas, Delmas									
Dairy: 3									
Grootvlei, Grootvlei Dierekliniek									
Beef: 2									

Standerton, Econovet
Beef: 2, Sheep: 2
Volksrust, Volksrust Dierehospitaal
Dairy: 3
Free State
Clocolan, Clocolan Dierekliniek
Beef: 3
Heilbron, Heilbron Dierekliniek
Beef: 1
Kwazulu-Natal
Estcourt, Estcourt Vet Clinic
Dairy: 1
Howick, Howick Veterinary Clinic
Beef: 3, Dairy: 3
Underberg, Underberg Veterinary Surgery
Dairy: 2
Eastern Cape
Humansdorp, Humansdorp Veterinary Clinic
Beef: 1
Western Cape
George, George Animal Hospital
Beef: 3
Riversdal, Riversdal Dierekliniek
Beef: 3, Dairy: 3
Stellenbosch, Provincial Veterinary Laboratory
Beef: 1
A swab from a carcass of a calf that presented with purulent omphalophlebitis yielded a heavy, pure growth of <i>E. coli</i> .
Northern Cape
Calvinia, Calvinia Veeartskliniek
Sheep: 3

Gangrene of the uterus ^

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
Middelburg (EC), Steynsburg Dierehospitaal
Sheep: 2
Uterine gangrene in ewes lambing in lambing pens.

Johnes` 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
Darling, Darling Dierkliniek
 Sheep: 2
 Confirmed in sheep

Pseudomonas ^
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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

Beef	2.0 (1)
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Western Cape
Stellenbosch, Provincial Veterinary Laboratory
 Beef: 2

Paarl area: *Pseudomonas aeruginosa* was isolated from lung and liver samples from a calf carcass. The calf had been treated with several antibiotics for more than two weeks without improvement. The isolate was only sensitive to gentamicin, sulphonamides and colistin.

Pulpy Kidney ^
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PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average	1.6 (5)	2.5 (2)	1.0 (1)	1.0 (2)	2.4 (8)		1.7 (3)	1.8 (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			1.0 (1)	1.0 (1)					
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Sheep	1.6 (5)	2.5 (2)		1.0 (1)	2.4 (8)		1.7 (3)	1.8 (4)	3.0 (1)
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Mpumalanga
Balfour, Balfour Dierkliniek
 Sheep: 1
Ermelo, Joubertstraat Dierkliniek
 Sheep: 3
Piet Retief, Petsvet
 Sheep: 1
Standerton, Econovet
 Sheep: 2
Standerton, Standerton Dierhospitaal
 Sheep: 1
Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek
Sheep: 2
Rivonia, Feedlot vets
Sheep: 3
Mortalities due to pulpy kidney are always present. Losses could be curbed if lambs are vaccinated once with pulpy kidney vaccine with an oil adjuvant at 2 to 3 months of age
Limpopo
Polokwane, Pietersburg Veterinary Clinic
Beef: 1
North West
Christiana, Christiana Dierehospitaal
Beef: 1, Sheep: 1
Free State
Bethlehem, Bethlehem Animal Hospital
Sheep: 3
Clocolan, Clocolan Dierekliniek
Sheep: 1
Ficksburg, Woody Kotze
Sheep: 3
Frankfort, Frankfort Dierekliniek
Sheep: 2
Reitz, Riemland Dierekliniek
Sheep: 3
Villiers, Wilgepoort Dierekliniek
Sheep: 3
Winburg, Winburg Dierekliniek
Sheep: 3
In young lambs
Zastron, Zastron Dierekliniek
Sheep: 1
Eastern Cape
Aliwal North, Casper Troskie
Sheep: 1
Graaff-Reinet, Graaff-Reinet Veterinary Clinic
Sheep: 2
Somerset Oos, Bosberg Vet Clinic
Sheep: 2
Western Cape
Beaufort West, Beaufort West State Vet
Sheep: 2
Ceres, Ceres Veterinary Hospital
Sheep: 1
Oudtshoorn, Oudtshoorn Dierekliniek
Sheep: 2
Been very hot with intermittent good falls of rain (10-25mm), grazing is lush and usual pastures are fast growing and green. Lambs seem to have high wireworm burdens which seem to predispose to higher incidence of pulpy kidney where 5-10 die from the same age group approximately 4 months old.
Riversdal, Riversdal Dierekliniek
Sheep: 2
Northern Cape
Kimberley, Kimberley Dierekliniek
Sheep: 3
Redgut (Cattle), Bloodgut (Sheep)

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (3)	3.0 (1)		2.0 (1)	1.5 (4)	1.3 (3)	1.8 (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		3.0 (1)		2.0 (1)	1.5 (2)	1.5 (2)	2.0 (1)		
Dairy						1.0 (1)	2.0 (1)		
Sheep	2.5 (2)				1.5 (2)		2.0 (1)	2.0 (1)	
Goat	1.0 (1)						1.0 (1)		

Mpumalanga

Ermelo, Joubertstraat Dierekliniek

Sheep: 3

Nelspruit, Nelspruit Animal Hospital

Goat: 1

Standerton, Econovet

Sheep: 2

Gauteng

Rivonia, Feedlot vets

Beef: 3

Mortalities due to acidosis coupled with bloat and red gut are ascribed to feeding patterns that were hampered due to rainy conditions

North West

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 2

Bulls on full ration. Due to excessive rain they did not eat well. When rain stopped they over ate the ration and 3 out of 20 bulls died due to acidosis and frothy bloat.

Free State

Parys, Parys Dierehospitaal

Beef: 1

Reitz, Riemland Dierekliniek

Sheep: 1

Villiers, Wilgepoort Dierekliniek

Beef: 2, Sheep: 2

Kwazulu-Natal

Dundee, Endumeni Herd health

Beef: 1, Dairy: 1

Mooi River, Mooi Rivier Vet Clinic

Beef: 2

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Dairy: 2

Graaff Reinet, Camdeboo Veterinary Clinic

Goat: 1

Fort Beaufort

Graaff-Reinet, Graaf- Reinet Veterinary Clinic

Sheep: 2

Somerset East, Bosberg Vet Clinic

Beef: 2

Western Cape

Riversdal, Riversdal Dierekliniek

Sheep: 2

Salmonellosis ^

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)	2.3 (3)			3.0 (1)	1.0 (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	1.0 (1)	2.0 (1)			3.0 (1)	1.0 (1)		3.0 (1)	
Dairy		2.0 (1)						3.0 (1)	
Sheep		3.0 (1)							

Mpumalanga

Standerton, Standerton Dierehospitaal
Beef: 1

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek
Beef: 2

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Dairy: 2

Rivonia, Feedlot vets

Sheep: 3

An outbreak of *Salmonella* Typhimurium caused serious losses in a feedlot. The sheep were infected on the farm of origin as mortalities commenced a day after arrival. It is suspected that the infection was picked up while sheep were kraaled before transported. Especially in wet conditions infection can spread rapidly.

Free State

Winburg, Winburg Dierekliniek

Beef: 3

Outbreak in a feedlot, acute deaths, diarrhoea and about 30 animals died

Kwazulu-Natal

Estcourt, Estcourt Vet Clinic

Beef: 1

Pietermaritzburg, Rick Mapham

Beef: 2

Multiple drug resistance in a herd

Western Cape

Malmesbury, Malmesbury Dierehospitaal

Dairy: 3

Stellenbosch, Provincial Veterinary Laboratory

Beef: 3

Northern Cape: A Group I *Salmonella* was isolated from faecal samples from calves with severe diarrhoea

Septicaemia ^

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)						
Gauteng									
Nigel, Nigel									
Goat: 1									
One goat died of septicaemia									
Swelled Head Disease (<i>Clostridium novyi</i>)									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (2)	2.0 (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	2.0 (1)	2.0 (2)	1.0 (1)		1.0 (1)				
Sheep	2.0 (1)								
Mpumalanga									
Piet Retief, Petsvet									
Beef: 2; Sheep: 2									
Gauteng									
Bronkhorstspuit, Kerkstraat Dierekliniek									
Beef: 2									
Rivonia, Feedlot vets									
Beef: 2									
Limpopo									
Mokopane, Henk Visser									
Beef: 1									
Free State									
Parys, Parys Dierehospitaal									
Beef: 1									
Tetanus									^
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 (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 (1)		2.0 (1)		1.0 (2)				
Mpumalanga									
Volkstrust, Volkstrust Dierehospitaal									
Sheep: 1									
Limpopo									
Tzaneen, Tzaneen animal clinic									
Sheep: 2									
Free State									
Bothaville, Cape Cross Bothaville Veterinary Hospital									

Sheep: 1									
Hoopstad, Hoopstad Dierekliniek									
Beef: 1, Sheep: 1									
Protozoal diseases (other)									
Coccidiosis									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.8 (4)	2.3 (3)			1.7 (3)	2.0 (7)	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	3.0 (1)				2.0 (1)	2.0 (3)			
Dairy	3.0 (1)								
Sheep	3.0 (1)	2.0 (2)			1.5 (2)	2.0 (1)	2.0 (1)		
Goat	2.0 (1)	3.0 (1)				2.0 (3)	1.5 (2)		
Mpumalanga									
Nelspruit, Nelspruit Animal Hospital									
Goat: 2									
Wet conditions ideal for coccidiosis									
Standerton, Econovet									
Sheep: 3									
Standerton, Standerton Dierhospitaal									
Beef: 3, Dairy: 3									
Gauteng									
Pretoria, Hanneke Pienaar									
Sheep: 1									
Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic									
Goat: 3									
Rivonia, Feedlot vets									
Sheep: 3									
The incidence of coccidiosis infestation increased due to the wet weather conditions									
Free State									
Reitz, Riemland Dierekliniek									
Beef: 2, Sheep: 2									
Villiers, Wilgepoort Dierekliniek									
Sheep: 1									
Kwazulu-Natal									
Dundee, Mpati Veterinary Clinic									
Sheep: 2, Goat: 2									
Mtubatuba, Mtubatuba Animal Clinic									
Beef: 2, Goat: 2									
Mooi River, Mooirivier Vet Clinic									
Beef: 2									
Pietermaritzburg, Richmond Veterinay Clinic									
Beef: 2, Goat: 2									
Eastern Cape									
Graaff Reinet, Camdeboo Veterinary Clinic									
Goat: 1									
Steytlerville									

Graaff-Reinet, Graaf- Reinet Veterinary Clinic									
Goat: 2									
Humansdorp, Humansdorp Veterinary Clinic									
Sheep: 2									
Fungal diseases									
Ringworm									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (2)	3.0 (1)		1.5 (2)	2.0 (2)	2.0 (3)	1.0 (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	1.0 (1)	3.0 (1)		1.5 (2)	2.0 (2)	1.5 (2)		3.0 (1)	
Dairy	3.0 (1)					3.0 (1)	1.0 (1)		
Mpumalanga									
Delmas, Delmas									
Dairy: 3									
Volksrust, Volksrust Dierehospitaal									
Beef: 1									
Gauteng									
Rivonia, Feedlot vets									
Beef: 3									
Numerous cases of ringworm were seen in calves with lower body weights									
North West									
Christiana, Christiana Dierehospitaal									
Beef: 2									
Swartruggens, Swartruggens Veterinary Clinic									
Beef: 1									
Free State									
Memel, Memel Veterinary Clinic									
Beef: 1									
Villiers, Wilgepoort Dierekliniek									
Beef: 3									
Kwazulu-Natal									
Estcourt, Estcourt Vet Clinic									
Beef: 1									
Maubatuba, Mtubatuba Animal Clinic									
Beef: 2									
Underberg, Underberg Veterinary Surgery									
Dairy: 3									
Eastern Cape									
Jeffreys Bay, Cape Cross Veterinary Hospital									
Dairy: 1									
Western Cape									
Ceres, Ceres Veterinary Hospital									
Beef: 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 (2)	1.5 (2)	1.5 (6)				1.0 (1)

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

Beef			1.0 (2)	1.5 (2)	1.5 (6)				1.0 (1)
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Limpopo

Machado, Blouberg Dierekliniek

Beef: 1

Vaalwater, Vaalwater Dieresprekkamer

Beef: 1

North West

Lichtenburg, CM Kruger-Rall

Beef: 2

Stella, Stella Dierekliniek

Beef: 1

Free State

Bethlehem, Bethlehem Animal Hospital

Beef: 2

Two farms, 3 mortalities on one farm – wildebeest associated, BMC and one death on another farm - suspected sheep associated form.

Clocolan, Clocolan Dierekliniek

Beef: 2

Ficksburg, Woody Kotze

Beef: 2

Two farms- wildebeest associated bovine malignant catarrh.

Harrismith, Harrismith Dierehospitaal

Beef: 1

Memel, Memel Veterinary Clinic

Beef: 1

Villiers, Wilgepoort Dierekliniek

Beef: 1

Northern Cape

Kimberley, Kimberley Dierekliniek

Beef: 1

BVD ^

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)	
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Gauteng

Rivonia, Feedlot vets
Beef: 2
Permanent infected BVD calves were diagnosed in animals in poor condition, diarrhoea and some animals died. Severe damage was seen in the intestinal tract especially in the large intestine.
Kwazulu-Natal
Estcourt, Estcourt Vet Clinic
Beef: 1
Western Cape
Malmesbury, Otto Kriek
Beef: 2
Some owners of indigenous breeds don't believe in vaccinating their animals because of the claim that these animals are very resistant to diseases due to natural selection. Two heifers aborted and tested positive for Bovine Viral Diarrhoea Virus. Apparently BVD doesn't believe in this claim!!

Enzootic Bovine Leucosis (EBL)										^
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PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	3.0 (1)					1.0 (1)	2.0 (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)		
Dairy	3.0 (1)					1.0 (1)	2.0 (1)		

Mpumalanga
Delmas, Delmas
Dairy: 3
Kwazulu-Natal
Underberg, Underberg Veterinary Surgery
Dairy: 1
Eastern Cape
Humansdorp, Humansdorp Veterinary Clinic
Beef: 2
Jeffreys Bay, Cape Cross Veterinary Hospital
Dairy: 2

IBR										^
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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

Beef	2.0 (1)					1.0 (1)			
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Mpumalanga
Standerton, Standerton Dierehospitaal
Beef: 2
Kwazulu-Natal
Ingogo, Ingogo Vet

Beef: 1

Orf (Vuilbek)									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (2)			3.0 (1)	1.7 (3)	1.8 (4)	2.5 (2)		3.0 (1)

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

Sheep	2.0 (1)			3.0 (1)	1.0 (2)	2.0 (2)	2.0 (1)		
Goat	2.0 (1)				3.0 (1)	1.5 (2)	3.0 (1)		3.0 (1)

Mpumalanga									
Nelspruit, Nelspruit Animal Hospital									
Sheep: 2, Goat: 2									
North West									
Schweizer-Reneke, NJ Heyns									
Sheep: 3									
Free State									
Hoopstad, Hoopstad Dierekliniek									
Sheep: 1									
Parys, Parys Dierehospitaal									
Goat: 3									
Reitz, Riemland Dierekliniek									
Sheep: 1									
Kwazulu-Natal									
Estcourt, Estcourt Vet Clinic									
Sheep: 1, Goat: 1									
Mtubatuba, Mtubatuba Animal Clinic									
Goat: 2									
Underberg, Underberg Veterinary Surgery									
Sheep: 3									
Eastern Cape									
Graaff-Reinet, Graaff-Reinet Veterinary Clinic									
Sheep: 2									
Somerset East, Bosberg Vet Clinic									
Goat: 3									
Northern Cape									
Upington, Veeartsenykliniek Upington									
Goat: 3									

Rabies									
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)			2.0 (1)					
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Mpumalanga									
Volksrust, Volksrust Dierehospitaal									
Beef: 1									
North West									
Rustenburg, Protea Dierekliniek									
Beef: 2									
Two confirmed cases in cattle									
Warts									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (3)		1.3 (3)	2.0 (2)	1.8 (4)	2.3 (3)	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									
Beef	1.5 (2)		1.3 (3)	2.0 (2)	1.8 (4)	2.0 (2)	2.0 (1)	2.0 (2)	
Dairy	3.0 (1)					3.0 (1)	2.0 (1)		
Mpumalanga									
Balfour, Balfour Dierekliniek									
Beef: 1									
Delmas, Delmas									
Dairy: 3									
Lydenburg, Lydenburg Dieresprekkamer									
Beef: 2									
Limpopo									
Mokopane, Henk Visser									
Beef: 1									
Modimolle, Kranskop Dierekliniek									
Beef: 1									
Polokwane, Pietersburg Veterinary Clinic									
Beef: 2									
North West									
Christiana, Christiana Dierehospitaal									
Beef: 2									
Schweizer-Reneke, NJ Heyns									
Beef: 2									
Free State									
Bultfontein, Greylingrust Dieresprekkamer									
Beef: 2									
Harrismith, Harrismith Dierehospitaal									
Beef: 2									
Bloemfontein, Langenhovenpark Dierekliniek									
Beef: 2									
Reitz, Riemland Dierekliniek									
Beef: 1									
Kwazulu-Natal									
Mtubatuba, Mtubatuba Animal Clinic									
Beef: 2									
Underberg, Underberg Veterinary Surgery									
Dairy: 3									
Vryheid, Vryheid Veterinary Clinic									

Beef: 2
Eastern Cape
Somerset East, Bosberg Vet Clinic
Beef: 2, Dairy: 2
Western Cape
George, George Animal Hospital
Beef: 2
Malmesbury, Otto Kriek
Beef: 2

Poisonings (Plant)

Cardiac Glycoside 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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Eastern Cape
Calvinia, Calvinia Veeartskliniek
Sheep: 3

Cestrum (Ink berry) ^

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)				

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)	3.0 (1)				
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Gauteng
Bronkhorstspuit, Kerkstraat Dierekliniek
Beef: 1

North West
Leeudoringstad, Leeudoringstad Dierekliniek
Beef: 3

Cestrum plants along rivers, leaves sprouting and eaten by cattle. Mortalities occurred

Free State
Bultfontein, Greylingrust Dierespreekkamer
Beef: 3

Farmer moved cattle into new camp and mortalities occurred. Encroachment of ink berries taking place. Difficult to eradicate

Cynanchum poisoning (klimop, bobbejaantou) ^

PROVINCE	Mpumalanga	Gauteng	Limpopo	North	Free	Kwazulu-	Eastern	Western	Northern
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				West	State	Natal	Cape	Cape	Cape
Average								2.0 (2)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef								2.0 (1)	
Goat								2.0 (1)	
Western Cape									
Riversdal, Riversdal Dierekliniek									
Beef: 2, Goat: 2									
Facial eczema									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.0 (2)				
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Sheep					2.0 (2)				
Free State									
Reitz, Riemland Dierekliniek									
Sheep: 2									
Vrede, Saulshoek Dierepraktyk									
Sheep: 2									
Geeldikkop/Dikoor									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average				3.0 (1)					3.0 (1)
Level of 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)					3.0 (1)
North West									
Leeudoringstad, Leeudoringstad Dierekliniek									
Sheep: 3									
Northern Cape									
Kimberley, Kimberley Dierekliniek									
Sheep: 3									
Kikuyu Poisoning									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape

Average

3.0 (4)

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

Dairy

3.0 (4)

Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Dairy: 3

2 outbreaks, fortunately only about 10 animals affected in each outbreak – 4 deaths confirmed in total. Was a perfect year for poisonings, but farmers prevented poisoning in general by adhering to grazing advice and feeding enough dry roughage.

Humansdorp, Humansdorp Veterinary Clinic

Dairy: 3

Commando Worm associated kikuyu poisoning – hot, dry weather followed by rain – acute death – some cows showed symptoms of dehydration and large fluid filled rumens. Most effective treatment was removal of animals from pastures and making sure their feed is supplemented with good quality silage/hay

COMMANDO WORMS AND KIKUYU TOXICITY

It is well known that factors predisposing to kikuyu poisoning include commando worms, high nitrogen fertilizer applications and rain followed by hot weather after drought, but despite intensive research the specific cause of kikuyu toxicity has **NOT** been identified.

To refresh your memory as to the cause of kikuyu poisoning after commando worm infestation:

the poisonous principle is unknown as the worms themselves are not toxic; kikuyu grass in itself appears to be non-toxic, but a combination of these two results in toxicity through an unknown mechanism. The worm faecal pellets have even been dosed to a sheep with negative results. It takes approximately 10 days for the grass to become toxic after army-worm infestation. The grass retains its toxicity for 4 to 6 weeks after the army worms have gone. In the case of army worm-associated kikuyu poisoning, prevention of infestation of the pasture and chemical control of the worms with insecticides might prevent an outbreak. After kikuyu poisoning has been diagnosed the best advice is to withdraw the animals from pasture for at least 40 days as the pasture remains toxic for 4 – 6 weeks. Before re-introducing the herd, test for toxicity by using sentinel/tracer cattle (less valuable animals) and allow them to graze on the suspect pasture for 4 days before allowing the rest of the herd back onto the incriminated pasture.

Treatment

1. Remove cattle from the pasture
2. Dose rumen acidifiers eg vinegar
3. Metabolic stimulants eg. Kyroligo, Kyrophos, Kyro B+liver, Catasol
4. Dry cow pellets (cation/anion ratio)
5. Calcium

Prevention in heifers and dry cows (not fed in parlour)

1. Feed hay
2. Feed concentrates
3. Reduce time on kikuyu

This information comes from the February Newsletter of the Humansdorp Veterinary clinic.

Jeffreys Bay, Cape Cross Veterinary Hospital									
Dairy: 3									
Uitenhage, Uitenhage Dierehospitaal									
Dairy: 3									
Army worm outbreak on kikuyu grazing									
Lantana									^ -
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average			2.5 (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			2.5 (2)	2.0 (1)		2.0 (1)			
Limpopo									
Bela-Bela, Warmbad Dierekliniek									
Beef: 3									
Cattle brought into the area									
Modimolle, Kranskop Dierekliniek									
Beef: 2									
North West									
Brits, Brits Dierekliniek									
Beef: 2									
Kwazulu-Natal									
Dundee, Endumeni Herd health									
Beef: 2									
Other plant poisonings									^ -
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average								2.0 (2)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef								3.0 (1)	
Sheep								1.0 (1)	
Western Cape									
Vredenburg, Vredenburg Dierehospitaal									
Beef: 3									
Cattle broke into onion field and ate onions. 15 animals affected showed signs such as red urine and "madness".									
Beaufort West, Beaufort West State Vet									
Sheep: 1									
This syndrome usually affects C-grade carcasses. It is only seen in a certain part of the Karoo. The connective tissue in the carcass turns black. A certain succulent plant is suspected to be the culprit. Further investigation is needed.									

Prussic Acid 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)	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							3.0 (1)	2.0 (1)	
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Eastern Cape

Graaff-Reinet, Graaff-Reinet Veterinary Clinic

Sheep: 3

Western Cape

Caledon, Overberg Veterinary Hospital

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								2.5 (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

Beef								2.0 (1)	
Dairy								3.0 (1)	

Western Cape

Ceres, Ceres Veterinary Hospital

Beef: 2

Malmesbury, Malmesbury Dierehospitaal

Dairy: 3

Tulip Poisoning ^

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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Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1

Poisonings

Chemical Products									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average			3.0 (1)			1.0 (1)			
Level of 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)			
Limpopo									
Polokwane, Pietersburg Veterinary Clinic									
Beef: 3									
Amitraz: Toxicity seen as a result of the vigorous dipping in an attempt to control ticks.									
Kwazulu-Natal									
Camperdown, Camperdown Vet Clinic									
Beef: 1									
Amitraz overstrength dip									
Hypo									
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)	
Western Cape									
Stellenbosch, Stellenbosch Animal Hospital									
Beef: 2									
3 out off 32 cows died due too high levels of sodium-thiosulphate (hypo) added to drinking water									
Snake Bite									
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)				
Free State									
Winburg, Winburg Dierekliniek									
Beef: 2									
One animal got cobra venom in the eye and another bitten by a puff adder									
Urea Poisoning									

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

Mpumalanga									
Grootvlei, Grootvlei Dierekliniek									
Beef: 1									
Nelspruit, Nelspruit Animal Hospital									
Beef: 1									
North West									
Christiana, Christiana Dierehospitaal									
Beef: 1									
Free State									
Ficksburg, Woody Kotze									
Beef: 1									
Urea in a shed got wet due to rain and animal drank the urea that had dissolved in the water									
Kwazulu-Natal									
Dundee, Endumeni Herd health									
Beef: 1									
Howick, Howick Veterinary Clinic									
Beef: 3, Dairy: 3									

Water Contamination ^

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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Kwazulu-Natal									
Howick, Howick Veterinary Clinic									
Beef: 3									

Macro Nutritional Problems

Calcium deficiency ^

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (2)				1.5 (2)	2.0 (2)	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	1.0 (2)			1.5 (2)	2.0 (2)	3.0 (1)			1.0 (1)
Mpumalanga									
Balfour, Balfour Dierekliniek									
Beef: 1									
Bethal, Bethal Dierekliniek									
Beef: 1									
Free State									
Reitz, Riemland Dierekliniek									
Beef: 2									
Villiers, Wilgepoort Dierekliniek									
Beef: 1									
Kwazulu-Natal									
Dundee, Endumeni Herd health									
Beef: 1									
Howick, Howick Veterinary Clinic									
Beef: 3									
Eastern Cape									
Humansdorp, Humansdorp Veterinary Clinic									
Beef: 3									
Northern Cape									
Beaufort West, Beaufort West State Vet									
Beef: 1									
Energy deficiency									^ -
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (3)			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	2.0 (1)			2.0 (1)					
Sheep	2.0 (1)				1.5 (2)				
Goat	2.0 (1)								
Mpumalanga									
Balfour, Balfour Dierekliniek									
Beef: 2, Sheep: 2, Goat: 2									
North West									
Swartruggens, Swartruggens Veterinary Clinic									
Beef: 2									
Free State									
Reitz, Riemland Dierekliniek									
Sheep: 2									
Villiers, Wilgepoort Dierekliniek									
Sheep: 1									
Phosphate deficiency									^ -
PROVINCE	Mpumalanga	Gauteng	Limpopo	North	Free	Kwazulu-	Eastern	Western	Northern

				West	State	Natal	Cape	Cape	Cape
Average	3.0 (1)			2.0 (1)	2.0 (2)		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)	2.0 (2)		2.0 (1)		3.0 (1)
Dairy	3.0 (1)								



Mpumalanga

Delmas, Delmas

Dairy: 3

North West

Christiana, Christiana Dierehospitaal

Beef: 2

Free State

Parys, Parys Dierehospitaal

Beef: 2

Villiers, Wilgepoort Dierekliniek

Beef: 2

Eastern Cape

Humansdorp, Humansdorp Veterinary Clinic

Beef: 2

Northern Cape

Upington, Veeartsenykliniek Upington

Beef: 3

Severe phosphate deficiency in cattle. Animals unable to walk and pathological fractures of ribs were seen. Farmers are giving sub standard licks. Animals show severe pica . A big worry is that thousands (maybe millions) of animals are transported to abattoirs from the Karoo and Kalahari with minerals inside them and these minerals are then not replaced. In the past animal numbers were limited by the lack of water. As water sources were made animal numbers increased.

Protein deficiency



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

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

Beef	2.0 (1)			2.0 (1)					
Sheep	2.0 (1)								
Goat	2.0 (1)								



Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 2, Sheep: 2, Goat: 2

North West

Swartruggens, Swartruggens Veterinary Clinic

Beef: 2

Micro Nutritional Problems

Copper deficiency									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average				3.0 (1)	2.0 (1)			2.7 (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									
Beef					2.0 (1)			3.0 (2)	
Sheep				3.0 (1)				2.0 (1)	1.5 (2)

North West									
Lichtenburg, CM Kruger-Rall									
Sheep: 3									
Accidental use of Multimun CU in sheep, 42 lambs died									
Free State									
Heilbron, Heilbron Direkliniek									
Beef: 2									
Western Cape									
Malmesbury, Otto Kriek									
Beef: 3									
Liver samples were analysed and Cu,Se,Mn deficiencies diagnosed. An excess of Fe was also present.									
Riversdal, Riversdal Direkliniek									
Beef: 3, Sheep: 2									
Northern Cape									
Beaufort West, Beaufort West State Vet									
Sheep: 1									
De Aar, De Aar Veterinary Clinic									
Sheep: 2									
Copper Poisoning									

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

Free State									
Ficksburg, Woody Kotze									
Beef: 1									
Magnesium deficiency after calving									

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

Average	2.0 (1)	2.3 (3)	2.7 (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)	3.0 (2)
Dairy	2.0 (1)		
Sheep			2.0 (1)
Goat		2.0 (1)	

Mpumalanga									
Delmas, Delmas									
Dairy: 2									
Kwazulu-Natal									
Estcourt, Estcourt Vet Clinic									
Beef: 3									
Pietermaritzburg, Richmond Veterinay Clinic									
Beef: 2									
White muscle disease in calves.									
Goat: 2									
Immunodeficiency in goats									
Western Cape									
Malmesbury, Otto Kriek									
Beef: 3									
Riversdal, Riversdal Dierekliniek									
Beef: 3, Sheep: 2									

Vitamin A deficiency									^
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PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average				3.0 (1)	1.0 (1)	2.0 (1)		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)	1.0 (1)				
Sheep								2.0 (1)	
Goat						2.0 (1)			

North West									
Christiana, Christiana Dierehospitaal									
Beef: 3									
Free State									
Villiers, Wilgepoort Dierekliniek									
Beef: 1									
Kwazulu-Natal									
Camperdown, Camperdown Vet Clinic									
Goat: 2									

Vitamin B 1 Deficiency									^
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PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average	3.0 (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

Sheep	3.0 (1)	2.0 (1)
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North West

Stella, Stella Dierekliniek

Sheep: 3

Western Cape

Vredenburg, Vredenburg Dierehospitaal

Sheep: 2

Deficiency in flocks grazing on oat and wheat stubble. The deficiency occurs annually on certain fields. Some antagonist could be present

Zinc deficiency

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

Alexandria, Alexandria Platteland Spreekkamer

Dairy: 2

Western Cape

Malmesbury, Otto Kriek

Beef: 3

Multi-factorial Disease Conditions

Abortions

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average	3.0 (1)	1.0 (1)			1.9 (10)	2.4 (9)	2.7 (3)	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					1.8 (5)	2.4 (5)		2.5 (2)	
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Dairy	3.0 (1)	1.0 (1)				2.7 (3)	2.5 (2)	1.5 (2)	
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Sheep					2.0 (5)	2.0 (1)	3.0 (1)		
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Mpumalanga

Standerton, Standerton Dierehospitaal

Dairy: 3

Gauteng									
Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic									
Dairy: 1									
Free State									
Clocolan, Clocolan Dierekliniek									
Beef: 1									
Frankfort, Frankfort Dierekliniek									
Beef: 3, Sheep: 3									
Hoopstad, Hoopstad Dierekliniek									
Beef: 2, Sheep: 2									
Bloemfontein, Langenhovenpark Dierekliniek									
Sheep: 3									
Reitz, Riemland Dierekliniek									
Beef: 2, Sheep: 1									
Villiers, Wilgepoort Dierekliniek									
Beef: 1, Sheep: 1									
Kwazulu-Natal									
Bergville, Tugela Vet Clinic									
Beef: 2									
Redwater - Fevers									
Sheep: 2									
Bluetongue - Fevers									
Dundee, Endumeni Herd health									
Beef: 3, Dairy: 3									
Howick, Howick Veterinary Clinic									
Beef: 3, Dairy: 3									
Mtubatuba, Mtubatuba Animal Clinic									
Beef: 2									
Pietermaritzburg, Richmond Veterinay Clinic									
Beef: 2									
Underberg, Underberg Veterinary Surgery									
Dairy: 2									
Eastern Cape									
Alexandria, Alexandria Platteland Spreekkamer									
Dairy: 3									
Calvinia, Calvinia Veeartskliniek									
Sheep: 3									
Jeffreys Bay, Cape Cross Veterinary Hospital									
Dairy: 2									
Western Cape									
George, George Animal Hospital									
Beef: 2, Dairy: 2									
Malmesbury, Otto Kriek									
Beef: 3									
Stellenbosch, Stellenbosch Animal Hospital									
Dairy: 1									
Abscesses									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.5 (6)	2.3 (3)	2.4 (7)	2.0 (3)	2.0 (7)	1.9 (12)	2.7 (3)	2.7 (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	2.5 (2)	2.0 (1)	2.0 (4)	2.0 (3)	2.3 (4)	1.9 (7)		3.0 (1)
Dairy	2.5 (2)				1.0 (1)	2.0 (2)		3.0 (1)
Sheep	2.5 (2)	2.0 (1)	3.0 (2)		1.0 (1)	2.0 (1)	2.0 (1)	3.0 (1)
Goat		3.0 (1)	3.0 (1)		3.0 (1)	2.0 (2)	3.0 (2)	2.0 (1)

Mpumalanga

Delmas, Delmas

Dairy: 3

Grootvlei, Grootvlei Dierkliniek

Beef: 2, Sheep: 2

Standerton, Standerton Dierehospitaal

Beef: 3, Dairy: 2, Sheep: 3

Gauteng

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 2, Sheep: 2, Goat: 3

Limpopo

Bela-Bela, Warmbad Dierkliniek

Beef: 3, Sheep: 3

Mokopane, Henk Visser

Beef: 1

Modimolle, Kranskop Dierkliniek

Beef: 1

Polokwane, Pietersburg Veterinary Clinic

Beef: 3, Sheep: 3, Goat: 3

North West

Brits, Brits Dierkliniek

Beef: 3

Schweizer-Reneke, NJ Heyns

Beef: 1

Abscesses in spleen due to wire protruding through the reticulum into the spleen

Swartruggens, Swartruggens Veterinary Clinic

Beef: 2

Multiple cases of abscesses on the prepuce, most likely caused by tick bites

Free State

Bultfontein, Greylingrust Diersprekkamer

Beef: 2

Hoopstad, Hoopstad Dierkliniek

Beef: 3, Goat: 3

Memel, Memel Veterinary Clinic

Sheep: 1

Parys, Parys Dierehospitaal

Beef: 3

Villiers, Wilgepoort Dierkliniek

Beef: 1, Dairy: 1

Kwazulu-Natal

Camperdown, Camperdown Vet Clinic

Beef: 2

Dundee, Endumeni Herd health

Beef: 3

Estcourt, Estcourt Vet Clinic

Beef: 1

Ingogo, Ingogo Vet									
Beef: 1									
Mtubatuba, Mtubatuba Animal Clinic									
Beef: 2									
Pongola, Pongola Animal Clinic									
Beef: 2, Dairy: 2, Goat: 2									
Pietermaritzburg, Richmond Veterinary Clinic									
Beef: 2, Sheep: 2, Goat: 2									
Underberg, Underberg Veterinary Surgery									
Dairy: 2									
Eastern Cape									
Graaff-Reinet, Graaff-Reinet Veterinary Clinic									
Sheep: 2, Goat: 3									
Somerset East, Bosberg Vet Clinic									
Goat: 3									
Western Cape									
Malmesbury, Otto Kriek									
Beef: 3, Dairy: 3									
Stellenbosch, Provincial Veterinary Laboratory									
Goat: 2									
Tulbach area: <i>Corynebacterium pseudotuberculosis</i> was isolated from abscess swabs from boer goats									
Northern Cape									
De Aar, De Aar Veterinary Clinic									
Sheep: 3									
Abscesses in general									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average				3.0 (1)	2.5 (2)	2.2 (6)	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)	2.7 (3)			
Dairy							2.0 (1)		
Sheep					3.0 (1)	1.5 (2)			
Goat				3.0 (1)		2.0 (1)			
North West									
Lichtenburg, CM Kruger-Rall									
Goat: 3									
Free State									
Hoopstad, Hoopstad Dierekliniek									
Sheep: 3									
Parys, Parys Dierehospitaal									
Beef: 2									
Kwazulu-Natal									
Bergville, Tugela Vet Clinic									
Beef: 2, Sheep: 1									
Howick, Howick Veterinary Clinic									
Beef: 3									
Mtubatuba, Mtubatuba Animal Clinic									
Sheep: 2, Goat: 2									

Vryheid, Vryheid Veterinary Clinic									
Beef: 3									
Due to massive ear tick infestation.									
Eastern Cape									
Jeffreys Bay, Cape Cross Veterinary Hospital									
Dairy: 2									
Bladder stones									^ -
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									
Sheep								1.0 (1)	
Western Cape									
Ceres, Ceres Veterinary Hospital									
Sheep: 1									
Bloat									^ -
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									
Dairy								3.0 (1)	
Western Cape									
Malmesbury, Otto Kriek									
Dairy: 3									
Abomasitis and bloat in 1-2 week old calves. A variation in the temperature and concentration of the milk replacer played a role in this problem. Nothing can replace a good quality milk replacer with a lower osmolality and with lower quantities of carbohydrates (the latter is responsible for excessive fermentation and gas production). The higher osmolality slows down the rate of emptying of the abomasum and thus allows more time for fermentation and thus bloat to develop.									
Blue udder									^ -
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)				
Free State									

Reitz, Riemland Dierekliniek									
Sheep: 2									
Diarrhoea									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (4)	3.0 (1)	2.3 (3)	3.0 (2)	1.9 (9)	2.0 (9)	2.5 (2)	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 (2)	3.0 (1)	2.3 (3)	3.0 (2)	2.0 (8)	2.0 (3)		2.7 (3)	
Dairy	2.0 (2)				1.0 (1)	3.0 (1)	3.0 (1)	3.0 (2)	
Sheep						1.7 (3)	2.0 (1)	3.0 (1)	
Goat						2.0 (2)			
Mpumalanga									
Balfour, Balfour Dierekliniek									
Beef: 2									
Delmas, Delmas									
Dairy: 2									
Grootvlei, Grootvlei Dierekliniek									
Beef: 2									
Standerton, Standerton Dierehospitaal									
Dairy: 2									
Gauteng									
Bronkhorstspuit, Kerkstraat Dierekliniek									
Beef: 3									
Limpopo									
Machado, Blouberg Dierekliniek									
Beef: 3									
Modimolle, Kranskop Dierekliniek									
Beef: 1									
Polokwane, Pietersburg Veterinary Clinic									
Beef: 3									
North West									
Christiana, Christiana Dierehospitaal									
Beef: 3									
Schweizer-Reneke, NJ Heyns									
Beef: 3									
Free State									
Bothaville, Cape Cross Bothaville Veterinary Hospital									
Beef: 2									
Bultfontein, Greylingsrust Dieresprekkamer									
Beef: 2									
Clocolan, Clocolan Dierekliniek									
Beef: 3									
Frankfort, Frankfort Dierekliniek									
Beef: 2									
Harrismith, Harrismith Dierehospitaal									
Beef: 3									
Regular outbreaks of diarrhoea in calves younger than 3 months of age.									
Parys, Parys Dierehospitaal									

Beef: 1
Villiers, Wilgepoort Dierekliniek
Beef: 1, Dairy: 1
Vrede, Saulshoek Dierepraktik
Beef: 2
Kwazulu-Natal
Bergville, Tugela Vet Clinic
Beef: 1, Sheep: 1
Estcourt, Estcourt Vet Clinic
Beef: 2, Sheep: 2, Goat: 2
Howick, Howick Veterinary Clinic
Beef: 3, Dairy: 3
Mtubatuba, Mtubatuba Animal Clinic
Sheep: 2, Goat: 2
Eastern Cape
Aliwal North, Casper Troskie
Sheep: 2
Stutterheim, Stutterheim Veterinary Clinic
Dairy: 3
Acute profuse watery diarrhoea with dehydration and death. Autolysis sets in very quickly. Cause still to be established
Western Cape
Ceres, Ceres Veterinary Hospital
Beef: 2
calves
George, George Animal Hospital
Beef: 3, Dairy: 3, Sheep: 3
Malmesbury, Malmesbury Dierehospitaal
Dairy: 3
Rota and Corona viruses in calves
Malmesbury, Otto Kriek
Beef: 3

Epididymitis ^

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

Sheep					1.0 (1)				
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Free State
Parys, Parys Dierehospitaal
Sheep: 1

Eye Cancer ^

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)	
Dairy		1.0 (1)	
Sheep			2.0 (1)

Free State

Reitz, Riemland Dierekliniek

Beef: 1, Dairy: 1

Eastern Cape

Aliwal North, Casper Troskie

Sheep: 2

Eye infections

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.3 (12)	1.8 (6)	1.5 (2)	2.6 (5)	2.7 (27)	2.4 (16)	2.6 (8)	2.7 (10)	1.0 (1)

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

Beef	2.3 (6)	1.7 (3)	2.0 (1)	2.5 (4)	2.7 (16)	2.4 (8)	2.7 (3)	3.0 (3)	1.0 (1)
Dairy	2.5 (2)	2.0 (1)			2.7 (3)	3.0 (1)	2.5 (2)	2.5 (6)	
Sheep	2.3 (3)	2.0 (2)		3.0 (1)	2.8 (8)	2.3 (3)	3.0 (2)	3.0 (1)	
Goat	1.0 (1)		1.0 (1)			2.5 (4)	2.0 (1)		

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1, Sheep: 1, Goat: 1

Delmas, Delmas

Dairy: 3

Ermelo, Joubertstraat Dierekliniek

Beef: 3

Grootvlei, Grootvlei Dierekliniek

Beef: 2

Lydenburg, Lydenburg Diersprekkamer

Beef: 2

Standerton, Econovet

Beef: 3, Sheep: 3

Volksrust, Volksrust Dierehospitaal

Beef: 3, Dairy: 2, Sheep: 3

Gauteng

Bronkhorstspuit, Kerkstraat Dierekliniek

Beef: 2, Sheep: 2

Pretoria, Hanneke Pienaar

Beef: 1

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Beef: 2, Dairy: 2, Sheep: 2

Limpopo

Modimolle, Kranskop Dierekliniek

Goat: 1
Polokwane, Pietersburg Veterinary Clinic
Beef: 2
North West
Christiana, Christiana Dierehospitaal
Beef: 3
Ophthalmia is a problem and worse when compared to other years. In spite of improved gazing conditions the problem has not improved. Vitamin A injections and vaccination against <i>Moraxella bovis</i> did not improved the infections.
Lichtenburg, CM Kruger-Rall
Beef: 2
Rustenburg, Protea Dierekliniek
Beef: 2
Schweizer-Reneke, NJ Heyns
Beef: 3, Sheep: 3
Free State
Bothaville, Cape Cross Bothaville Veterinary Hospital
Beef: 1
Bultfontein, Greylingrust Dierspreekkamer
Beef: 3
Clocolan, Clocolan Dierekliniek
Beef: 3, Sheep: 3
Ficksburg, Woody Kotze
Beef: 3, Dairy: 3
Frankfort, Frankfort Dierekliniek
Beef: 2
Harrismith, Harrismith Dierehospitaal
Beef: 3, Sheep: 3
Heilbron, Heilbron Dierekliniek
Beef: 2
Hoopstad, Hoopstad Dierekliniek
Beef: 3, Sheep: 3
Bloemfontein, Langenhovenpark Dierekliniek
Beef: 3
Many sore eyes in beef cattle. Flies transmit <i>Moraxella bovis</i> to healthy eyes
Memel, Memel Veterinary Clinic
Beef: 3
Parys, Parys Dierehospitaal
Beef: 3, Sheep: 2
Reitz, Riemland Dierekliniek
Beef: 3, Dairy: 2, Sheep: 3
Viljoenskroon, Viljoenskroon Dierekliniek
Beef: 3
Villiers, Wilgepoort Dierekliniek
Beef: 3, Dairy: 3, Sheep: 3
Vrede, Saulshoek Dierpraktyk
Beef: 2, Sheep: 2
Winburg, Winburg Dierekliniek
Beef: 3, Sheep: 3
Kwazulu-Natal
Bergville, Tugela Vet Clinic
Beef: 2
Loads of rain, many midges, most ophthalmias respond well to treatment
Sheep: 2

Loads of rain, many midges, most ophthalmias respond well to treatment
Dundee, Endumeni Herd health
Beef: 3
Dundee, Mpati Veterinary Clinic
Beef: 3
Flies seem to be contributing factor and the response to treatment depends on the delay before treatment commenced. Good response to inoculation.
Sheep: 3
Flies seem to be contributing factor and the response to treatment depends on the delay before treatment commenced. Good response to inoculation
Goat: 3
Estcourt, Estcourt Vet Clinic
Beef: 2, Sheep: 2, Goat: 2
Mtubatuba, Mtubatuba Animal Clinic
Beef: 3
Localised outbreak of ophthalmia in Nyala with a lot of them being culled for blindness. Other species on these game farms are not affected
Goat: 3
Newcastle, Ncandovet Newcastle
Beef: 2
Pongola, Pongola Animal Clinic
Beef: 2, Goat: 2
Pietermaritzburg, Richmond Veterinary Clinic
Beef: 2
Underberg, Underberg Veterinary Surgery
Dairy: 3
Eastern Cape
Alexandria, Alexandria Platteland Spreekkamer
Dairy: 2
Aliwal North, Uitspan C Troskie
Beef: 2
Graaff Reinet, Graaff Reinet Veterinary Clinic
Beef: 3
This problem is a major headache for stock farmers. Numerous conventional and unconventional treatments have been employed with poor results by farmers. Vaccines have been administered with disappointing results.
Sheep: 3
This problem is a major headache for stock farmers. Numerous conventional and unconventional treatments have been employed with poor results by farmers. Vaccines have been administered with disappointing results.
Goat: 2
This problem is a major headache for stock farmers. Numerous conventional and unconventional treatments have been employed with poor results by farmers. Vaccines have been administered with disappointing results.
Somerset East, Bosberg Vet Clinic
Beef: 3
Lots of nuisance flies. Animals vaccinated against <i>Moraxella bovis</i> had less problems.
Dairy: 3, Sheep: 3
Western Cape
Darling, Darling Dierekliniek
Sheep: 3
George, George Animal Hospital
Beef: 3, Dairy: 3
Malmesbury, Bergzicht Dierehospitaal
Dairy: 2
Malmesbury, Malmesbury Dierehospitaal
Dairy: 1
Malmesbury, Otto Kriek

Beef: 3, Dairy: 3
Stellenbosch, Stellenbosch Animal Hospital
Dairy: 3
Swellendam, Swellendam Dierehospitaal
Beef: 3, Dairy: 3
Northern Cape
Kathu, Kathu Dierekliniek
Beef: 1
Due to the good rains that started in February, fly numbers increased and lead to an increase in transmission of infectious conjunctivitis amongs cattle.

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

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

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

Mpumalanga
Balfour, Balfour Dierekliniek
Beef: 1
Standerton, Standerton Dierehospitaal
Beef: 1
Gauteng
Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic
Dairy: 1
Free State
Parys, Parys Dierehospitaal
Goat: 1
Reitz, Riemland Dierekliniek
Beef: 2
Kwazulu-Natal
Pongola, Pongola Animal Clinic
Dairy: 2
Vryheid, Vryheid Veterinary Clinic
Beef: 2
Northern Cape
Kimberley, Kimberley Dierekliniek
Beef: 1

Lameness/Foot Problems										^
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PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.3 (9)	2.8 (6)	2.3 (5)	2.5 (8)	2.4 (26)	2.2 (18)	2.6 (8)	2.6 (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	2.3 (3)	3.0 (1)	2.5 (2)	3.0 (4)	2.2 (13)	2.0 (9)	2.5 (2)	2.3 (3)
Dairy	3.0 (2)	3.0 (1)	3.0 (1)		2.3 (3)	2.6 (5)	3.0 (2)	2.5 (4)
Sheep	2.0 (3)	2.7 (3)	3.0 (1)	2.0 (4)	2.7 (10)	2.0 (4)	2.0 (2)	3.0 (2)
Goat	2.0 (1)	3.0 (1)	2.0 (1)				3.0 (2)	

Mpumalanga

Bethal, Bethal Dierekliniek

Sheep: 2

Many requests for medication and treatment

Goat: 2

Many requests for medication and treatment

Delmas, Delmas

Dairy: 3

Ermelo, Joubertstraat Dierekliniek

Sheep: 3

Ermelo, Moregloed Veterinere Spreekkamer

Sheep: 1

Strawberry footrot

Lydenburg, Lydenburg Dieresprekkamer

Beef: 1

Nelspruit, Nelspruit Animal Hospital

Beef: 3

Standerton, Standerton Dierehospitaal

Beef: 3, Dairy: 3

Gauteng

Pretoria, Hanneke Pienaar

Sheep: 2

Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic

Dairy: 3, Sheep: 3, Goat: 3

Rivonia, Feedlot vets

Beef: 3

Foot rot cases increased due to wet conditions in kraals

Sheep: 3

The incidence of foot rot infestation increased due to the wet weather conditions

Limpopo

Machado, Blouberg Dierekliniek

Beef: 3, Dairy: 3, Sheep: 3

Tzaneen, Tzaneen animal clinic

Beef: 2, Goats: 2

North West

Christiana, Christiana Dierehospitaal

Beef: 3

Leeudoringstad, Leeudoringstad Dierekliniek

Beef: 3

Calves with lame front legs. Suspect calves are injured by the neck clamp of the crushpen.

Sheep: 3

Lichtenburg, CM Kruger-Rall

Beef: 3, Sheep: 3

Ticks & Dubbeltjies

Stella, Stella Dierekliniek
Beef: 3
Swartruggens, Swartruggens Veterinary Clinic
Sheep: 1
Ventersdorp, Buffelsvlei Dierekliniek
Sheep: 1
Free State
Bothaville, Cape Cross Bothaville Veterinary Hospital
Beef: 1
Bultfontein, Greylingrust Dieresprekkamer
Beef: 2
Clocolan, Clocolan Dierekliniek
Beef: 3, Sheep: 3
Ficksburg, Woody Kotze
Dairy: 3, Sheep: 3
Frankfort, Frankfort Dierekliniek
Beef: 2
Heilbron, Heilbron Dierekliniek
Sheep: 3
Hoopstad, Hoopstad Dierekliniek
Beef: 3
Feet problems due to wet conditions
Sheep: 3
Bloemfontein, Langenhovenpark Dierekliniek
Beef: 3, Sheep: 3
Seen in sheep in all areas but especially in sheep kraaled at night
Memel, Memel Veterinary Clinic
Beef: 1, Sheep: 1
Parys, Parys Dierehospitaal
Beef: 2, Dairy: 1, Sheep: 2
Reitz, Riemland Dierekliniek
Beef: 3, Dairy: 3, Sheep: 3
Viljoenskroon, Viljoenskroon Dierekliniek
Beef: 1
Villiers, Wilgepoort Dierekliniek
Beef: 3, Sheep: 3
Winburg, Winburg Dierekliniek
Beef: 3, Sheep: 3
Zastron, Zastron Dierekliniek
Beef: 1
Kwazulu-Natal
Bergville, Tugela Vet Clinic
Beef: 1, Sheep: 1
Dundee, Endumeni Herd health
Beef: 2, Dairy: 2, Sheep: 2
Estcourt, Estcourt Vet Clinic
Beef: 2
Howick, Howick Veterinary Clinic
Beef: 3, Dairy: 3
Ingogo, Ingogo Vet
Beef: 1
Mtubatuba, Mtubatuba Animal Clinic
Beef: 2
Mooi River, Mooi River Vet Clinic

Beef: 3, Dairy: 3, Sheep: 3

Pongola, Pongola Animal Clinic

Beef: 2, Dairy: 2

Pietermaritburg, Richmond Veterinay Clinic

Beef: 2, Sheep: 2

Underberg, Peter Dommert

Dairy: 3

Numerous hoof infections due to mud build up on cow walk ways. We have had 43 days with rain in last 62 days.

Eastern Cape

Adelaide, Adelaide Veterinary Clinic

Goat: 3

Foot rot in goats

Alexandria, Alexandria Platteland Spreekkamer

Dairy: 3

Aliwal North, Uitspan C Troskie

Beef: 2, Sheep: 2

Graaff-Reinet, Graaf- Reinet Veterinary Clinic

Sheep: 2

A problem particularly where game are frequenting the same camps

Goat: 3

Foot abscesses: A problem particularly where game are frequenting the same camps

Somerset Oos, Bosberg Vet Clinic

Beef: 3

Sole abscesses caused by stones along walk ways. Laminitis due to acidosis.

Dairy: 3

Sole abscesses caused by stones along walk ways. Laminitis due to acidosis.

Western Cape

Malmesbury, Bergzicht Dierehospitaal

Dairy: 2

Malmesbury, Otto Kriek

Beef: 2, Dairy: 3

Riversdal, Riversdal Dierekliniek

Beef: 2, Dairy: 2, Sheep: 3

Swellendam, Swellendam Dierehospitaal

Beef: 3, Dairy: 3, Sheep: 3

Lung infection

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.1 (12)	2.7 (5)	2.0 (3)	2.2 (5)	2.4 (14)	2.1 (8)	2.8 (4)	2.4 (8)	2.2 (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	1.7 (3)	3.0 (2)	2.0 (1)	2.3 (3)	2.3 (7)	2.3 (3)	3.0 (1)	2.5 (2)	2.0 (1)
Dairy	2.5 (2)	3.0 (1)				3.0 (1)	3.0 (1)	2.5 (2)	
Sheep	2.0 (4)	3.0 (2)	2.0 (1)	2.0 (1)	2.6 (7)	1.5 (2)	2.5 (2)	2.3 (3)	2.0 (2)
Goat	2.3 (3)		2.0 (1)	2.0 (1)		2.0 (2)		2.0 (1)	2.5 (2)

Mpumalanga

Balfour, Balfour Dierekliniek

Beef: 1, Sheep: 1

Delmas, Delmas
Dairy: 3
Ermelo, Joubertstraat Dierekliniek
Beef: 2, Sheep: 2, Goat: 2
Grootvlei, Grootvlei Dierekliniek
Beef: 2
Middelburg (M), Middelburg Dierehospitaal
Sheep: 3
Pneumonia is not only a winter disease. Wet weather caused heavy mortalities due to this disease in sheep and goats.
Goat: 3
Pneumonia is not only a winter disease. Wet weather caused heavy mortalities due to this disease in sheep and goats.
Standerton, Standerton Dierehospitaal
Dairy: 2, Sheep: 2
Gauteng
Nigel, Nigel
Goat: 2
Three young goats died of pneumonia
Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic
Beef: 3, Dairy: 3, Sheep: 3
Rivonia, Feedlot vets
Beef: 3
Lung health of cattle have been relatively good in February. In areas where it had been very wet pneumonia cases increased
Sheep: 3
The incidence of pneumonia infestation increased due to the wet weather conditions
Limpopo
Modimolle, Kranskop Dierekliniek
Beef: 2, Sheep: 2
Tzaneen, Tzaneen animal clinic
Goats: 2
North West
Christiana, Christiana Dierehospitaal
Beef: 3
Leeudoringstad, Leeudoringstad Dierekliniek
Beef: 3
Respiratory disease in young calves, 5 died.
Lichtenburg, CM Kruger-Rall
Beef: 1
Swartruggens, Swartruggens Veterinary Clinic
Sheep: 2, Goat: 2
Free State
Bultfontein, Greylingrust Dieresprekkamer
Beef: 2
Clocolan, Clocolan Dierekliniek
Beef: 3, Sheep: 3
Heilbron, Heilbron Dierekliniek
Beef: 3
Hoopstad, Hoopstad Dierekliniek
Beef: 3
Due to wet conditions and lots of rain
Sheep: 3
Bloemfontein, Langenhovenpark Dierekliniek

Beef: 1
In cattle mainly seen in calves.
Sheep: 3
Pasteurellosis diagnosed in adult sheep and lambs
Parys, Parys Dierehospitaal
Beef: 2, Sheep: 2
Reitz, Riemland Dierekliniek
Beef: 2, Sheep: 2
Villiers, Wilgepoort Dierekliniek
Sheep: 2
Winburg, Winburg Dierekliniek
Sheep: 3
Kwazulu-Natal
Bergville, Tugela Vet Clinic
Sheep: 1
Estcourt, Estcourt Vet Clinic
Beef: 2, Goat: 2
Mtubatuba, Mtubatuba Animal Clinic
Beef: 2, Goat: 2
Mooi River, Mooi Rivier Vet Clinic
Beef: 3, Dairy: 3
Underberg, Underberg Veterinary Surgery
Sheep: 2
Eastern Cape
Alexandria, Alexandria Platteland Spreekkamer
Dairy: 3
Aliwal North, Uitspan C Troskie
Sheep: 2
Humansdorp, Humansdorp Veterinary Clinic
Beef: 3
Western Cape
Beaufort West, Beaufort West State Vet
Sheep: 2, Goat: 2
Caledon, Overberg Veterinary Hospital
Sheep: 3
George, George Animal Hospital
Beef: 2, Dairy: 2, Sheep: 2
Malmesbury, Otto Kriek
Beef: 3, Dairy: 3
Stellenbosch, Provincial Veterinary Laboratory
Sheep: 2
Stellenbosch area: On two occasions <i>Mannheimia haemolytica</i> was isolated from a lung samples from a carcasses that presented with pneumonia. Northern Cape: A foetus tested positive for <i>Chlamydophila pecorum</i> by PCR at the ARC-OVI.
Goat: 2
Rietbron area: <i>Mannheimia haemolytica</i> was isolated from a lung sample from an Angora goat.
Northern Cape
De Aar, De Aar Veterinary Clinic
Sheep: 2
Kimberley, Kimberley Dierekliniek
Beef: 2
Upington, Veeartsenykliniek Upington
Goat: 3
Pasteurellosis in goats

Mastitis									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.3 (3)	3.0 (1)	3.0 (1)		2.3 (7)	2.4 (8)	3.0 (2)	2.8 (8)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef					3.0 (1)	2.0 (3)		2.7 (3)	
Dairy	2.3 (3)	3.0 (1)	3.0 (1)		2.4 (5)	2.8 (4)	3.0 (2)	2.8 (5)	
Sheep					1.0 (1)				
Goat						2.0 (1)			
Mpumalanga									
Balfour, Balfour Dierekliniek									
Dairy: 1									
Delmas, Delmas									
Dairy: 3									
Standerton, Standerton Dierehospitaal									
Dairy: 3									
Gauteng									
Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic									
Dairy: 3									
Limpopo									
Machado, Blouberg Dierekliniek									
Dairy: 3									
Free State									
Bethlehem, Bethlehem Animal Hospital									
Dairy: 3									
Bacterial mastitis, resistant to drugs.									
Ficksburg, Woody Kotze									
Dairy: 3									
Bloemfontein, Langenhovenpark Dierekliniek									
Beef: 3									
Parys, Parys Dierehospitaal									
Dairy: 3									
Reitz, Riemland Dierekliniek									
Dairy: 2									
Villiers, Wilgepoort Dierekliniek									
Dairy: 1, Sheep: 1									
Kwazulu-Natal									
Camperdown, Camperdown Vet Clinic									
Beef: 1									
Dundee, Endumeni Herd health									
Beef: 3									
Estcourt, Estcourt Vet Clinic									
Dairy: 2									
Howick, Howick Veterinary Clinic									
Dairy: 3									
Mtubatuba, Mtubatuba Animal Clinic									
Beef: 2, Goat: 2									
Mooi River, Mooi River Vet Clinic									

Dairy: 3									
Underberg, Underberg Veterinary Surgery									
Dairy: 3									
Eastern Cape									
Jeffreys Bay, Cape Cross Veterinary Hospital									
Dairy: 3									
Somerset East, Bosberg Vet Clinic									
Dairy: 3									
Mostly mastitis caused by environmental conditions such as mud stress									
Western Cape									
George, George Animal Hospital									
Beef: 3, Dairy: 3									
Malmesbury, Bergzicht Dierehospitaal									
Dairy: 2									
Malmesbury, Malmesbury Dierehospitaal									
Dairy: 3									
Malmesbury, Otto Kriek									
Beef: 3									
Riversdal, Riversdal Dierekliniek									
Dairy: 3									
Numerous <i>Staphylococcus aureus</i> cases									
Stellenbosch, Provincial Veterinary Laboratory									
Beef: 2									
Stellenbosch area: A heavy mixed culture of haemolytic <i>E. coli</i> , <i>Streptococcus uberis</i> and <i>Pseudomonas aeruginosa</i> was isolated from a swab taken from udder tissue of a carcass that had macroscopic lesions of a severe, acute, purulent mastitis.									
Swellendam, Swellendam Dierehospitaal									
Dairy: 3									
Navel Ill									
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (3)	1.0 (1)			1.0 (2)	1.0 (1)		1.8 (4)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	2.0 (2)	1.0 (1)			1.0 (1)	1.0 (1)		2.0 (1)	
Dairy	2.0 (1)							1.5 (2)	
Sheep								2.0 (1)	
Goat					1.0 (1)				
Mpumalanga									
Grootvlei, Grootvlei Dierekliniek									
Beef: 2									
Standerton, Standerton Dierehospitaal									
Beef: 2, Dairy: 2									
Gauteng									
Bronkhorstspuit, Kerkstraat Dierekliniek									
Beef: 1									
Free State									
Clocolan, Clocolan Dierekliniek									
Beef: 1									

Parys, Parys Dierehospitaal
Goat: 1
Kwazulu-Natal
Estcourt, Estcourt Vet Clinic
Beef: 1
Western Cape
George, George Animal Hospital
Beef: 2, Dairy: 2, Sheep: 2
Stellenbosch, Stellenbosch Animal Hospital
Dairy: 1

Metabolic Diseases

Acidosis ^

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

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

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

Gauteng
Pretoria, Hanneke Pienaar
Beef:1
Limpopo
Machado, Blouberg Dierekliniek
Sheep: 2
Eastern Cape
Jeffreys Bay, Cape Cross Veterinary Hospital
Dairy: 2
Western Cape
Darling, Darling Dierekliniek
Sheep: 3
Acidosis developed in sheep grazing on stubble lands

Displaced Abomasum ^

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

Dairy								3.0 (1)	
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Western Cape
Malmesbury, Malmesbury Dierehospitaal
Dairy: 3

Ketosis ^

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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Free State

Parys, Parys Dierehospitaal

Sheep: 1

Reitz, Riemland Dierekliniek

Sheep: 2

Milk Fever ^

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

Dairy	2.0 (1) 3.0 (1)								
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Sheep	3.0 (1)								
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Free State

Reitz, Riemland Dierekliniek

Dairy: 2, Sheep: 3

Eastern Cape

Jeffreysbaai, Cape Cross Veterinary Hospital

Dairy: 3

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 (6)	1.0 (1)		2.7 (3)	2.0 (8)	2.1 (13)	2.3 (3)	2.2 (9)	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	1.8 (4)			2.7 (3)	2.4 (5)	2.0 (7)	2.0 (1)	2.4 (5)	3.0 (1)
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Dairy	2.5 (2)				1.5 (2)	2.5 (4)	2.5 (2)	2.0 (4)	
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Sheep		1.0 (1)			1.0 (1)	2.0 (1)			
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Goat						1.0 (1)			
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Mpumalanga

Balfour, Balfour Dierekliniek
Beef: 1, Dairy: 2
Bethal, Bethal Dierekliniek
Beef: 1
Standerton, Standerton Dierehospitaal
Beef: 3, Dairy: 3
Volksrust, Volksrust Dierehospitaal
Beef: 2
Gauteng
Pretoria, Hanneke Pienaar
Sheep: 1
North West
Christiana, Christiana Dierehospitaal
Beef: 3
Rustenburg, Protea Dierekliniek
Beef: 2
Swartruggens, Swartruggens Veterinary Clinic
Beef: 3
Free State
Clocolan, Clocolan Dierekliniek
Beef: 3
Frankfort, Frankfort Dierekliniek
Beef: 2
Heilbron, Heilbron Dierekliniek
Beef: 3
Bloemfontein, Langenhovenpark Dierekliniek
Beef: 2
Parys, Parys Dierehospitaal
Dairy: 1
Reitz, Riemland Dierekliniek
Beef: 2, Dairy: 2, Sheep: 1
Kwazulu-Natal
Camperdown, Camperdown Vet Clinic
Goat: 1
Dundee, Endumeni Herd health
Beef: 2, Dairy: 2
Dundee, Mpati Veterinary Clinic
Beef: 1
Greytown, Greytown Veterinary Hospital
Beef: 1
Howick, Howick Veterinary Clinic
Beef: 3, Dairy: 3
Mtubatuba, Mtubatuba Animal Clinic
Beef: 2
Newcastle, Ncandovet Newcastle
Beef: 3, Dairy: 3
Pietermaritzburg, Richmond Veterinary Clinic
Beef: 2
Underberg, Underberg Veterinary Surgery
Dairy: 2, Sheep: 2
Eastern Cape
Alexandria, Alexandria Platteland Spreekkamer
Dairy: 2
Aliwal North, Uitspan C Troskie

Beef: 2
Jeffreys Bay, Cape Cross Veterinary Hospital
Dairy: 3
Western Cape
Ceres, Ceres Veterinary Hospital
Beef: 2
George, George Animal Hospital
Beef: 2, Dairy: 2
Malmesbury, Bergzicht Dierehospitaal
Dairy: 1
Malmesbury, Otto Kriek
Beef: 3
Riversdal, Riversdal Dierekliniek
Beef: 3, Dairy: 3
Swellendam, Swellendam Dierehospitaal
Beef: 2, Dairy: 2
Northern Cape
Kimberley, Kimberley Dierekliniek
Beef: 3

Endometritis										^
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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)	
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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)	
Dairy					2.0 (1)				

Free State									
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Parys, Parys Dierehospitaal
Dairy: 2

Western Cape									
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Ceres, Ceres Veterinary Hospital
Beef: 1
vaginitis/Perinitis

Metritis										^
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PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
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Average	2.4 (5)			1.0 (1)	2.0 (4)	2.2 (6)		2.7 (6)	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

Beef	2.0 (2)			1.0 (1)	2.0 (3)	2.3 (4)		2.7 (3)	1.5 (2)
Dairy	2.7 (3)				2.0 (1)	2.0 (2)		2.7 (3)	

Mpumalanga									
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Balfour, Balfour Dierekliniek

Beef: 1, Dairy: 2
Delmas, Delmas
Dairy: 3
Standerton, Standerton Dierehospitaal
Beef: 3, Dairy: 3
North West
Swartruggens, Swartruggens Veterinary Clinic
Beef: 1
Free State
Clocolan, Clocolan Dierekliniek
Beef: 2
Bloemfontein, Langenhovenpark Dierekliniek
Beef: 2
Reitz, Riemland Dierekliniek
Beef: 2, Dairy: 2
Kwazulu-Natal
Dundee, Endumeni Herd health
Beef: 2, Dairy: 2
Estcourt, Estcourt Vet Clinic
Beef: 2, Dairy: 2
Howick, Howick Veterinary Clinic
Beef: 3
Mtubatuba, Mtubatuba Animal Clinic
Beef: 2
Western Cape
Malmesbury, Malmesbury Dierehospitaal
Dairy: 3
Malmesbury, Otto Kriek
Beef: 3
Riversdal, Riversdal Dierekliniek
Beef: 2, Dairy: 2
Swellendam, Swellendam Dierehospitaal
Beef: 3, Dairy: 3
Northern Cape
Beaufort West, Beaufort West State Vet
Beef: 1
Kimberley, Kimberley Dierekliniek
Beef: 2

Poor Conception									^
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PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.5 (2)			3.0 (1)	2.1 (7)	2.5 (4)	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)	2.0 (3)	2.5 (2)	2.0 (1)		3.0 (1)
Dairy	3.0 (1)				2.5 (2)	2.5 (2)			
Sheep					2.0 (1)				
Goat					2.0 (1)				

Mpumalanga

Balfour, Balfour Dierekliniek									
Beef: 2									
Delmas, Delmas									
Dairy: 3									
North West									
Christiana, Christiana Dierehospitaal									
Beef: 3									
Due to drought conditions. Grazing conditions have improved after good rains but January and February were very hot									
Free State									
Frankfort, Frankfort Dierekliniek									
Beef: 2									
Memel, Memel Veterinary Clinic									
Beef: 1									
Parys, Parys Dierehospitaal									
Beef: 3, Dairy: 2, Sheep: 2, Goat: 2									
Reitz, Riemland Dierekliniek									
Dairy: 3									
Kwazulu-Natal									
Estcourt, Estcourt Vet Clinic									
Beef: 2, Dairy: 2									
Howick, Howick Veterinary Clinic									
Beef: 3, Dairy: 3									
Eastern Cape									
Aliwal North, Uitspan C Troskie									
Beef: 2									
Northern Cape									
Kathu, Kathu Dierekliniek									
Beef: 3									
Retained Afterbirth									^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.7 (3)				1.3 (3)	2.4 (5)		2.2 (6)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	3.0 (1)				1.3 (3)	2.5 (2)		2.5 (2)	
Dairy	2.5 (2)					2.3 (3)		2.0 (4)	
Mpumalanga									
Delmas, Delmas									
Dairy: 2									
Standerton, Standerton Dierehospitaal									
Beef: 3, Dairy: 3									
Free State									
Bultfontein, Greylingrust Dierspreekkamer									
Beef: 1									
Clocolan, Clocolan Dierekliniek									
Beef: 2									
Villiers, Wilgepoort Dierekliniek									
Beef: 1									

Kwazulu-Natal
Dundee, Endumeni Herd health
Beef: 2, Dairy: 2
Howick, Howick Veterinary Clinic
Beef: 3, Dairy: 3
Underberg, Underberg Veterinary Surgery
Dairy: 2
Western Cape
George, George Animal Hospital
Dairy: 2
Malmesbury, Bergzicht Dierehospitaal
Dairy: 1
Malmesbury, Malmesbury Dierehospitaal
Dairy: 3
Malmesbury, Otto Kriek
Beef: 3
On 2 farms there were problems with the palatability of the prepartum rations due to the anion/cation salts. Consequently feed intake was extremely low. This resulted in high urine pH and cows appeared to have subclinical milkfever. Cases of retained afterbirths and endometritis were seen. It really does help to add something to sweeten up prepartum meal.
Riversdal, Riversdal Dierekliniek
Beef: 2, Dairy: 2

Uterine Prolaps										^
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PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu-Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)				1.2 (5)			2.0 (2)	

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

Beef	1.0 (1)				1.3 (3)			2.0 (1)	
Dairy								2.0 (1)	
Sheep					1.0 (2)				

Mpumalanga
Bethal, Bethal Dierekliniek
Beef: 1
Free State
Parys, Parys Dierehospitaal
Beef: 1
Reitz, Riemland Dierekliniek
Beef: 2, Sheep: 1
Villiers, Wilgepoort Dierekliniek
Beef: 1, Sheep: 1
Western Cape
Swellendam, Swellendam Dierehospitaal
Beef: 2, Dairy: 2

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

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



North West

Brits, Brits Dierekliniek

Beef: 2

Free State

Reitz, Riemland Dierekliniek

Beef: 2, Sheep: 2

Climatical Cause

Heat Stress

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

Dairy							3.0 (1)		
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Eastern Cape

Alexandria, Alexandria Platteland Spreekkamer

Dairy: 3

At least 6 to 10 deaths due to high temperatures plus humidity. General loss of milk production and embrionic losses

Residues

Drug, residues

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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Northern Cape

Upington, Veeartsenykliniek Upington

Beef: 1

Phenylbutazone: The importance of record keeping is emphasized. Phenylbutazone traces were found in a carcass at an abattoir. As all records of invoices were kept it could be shown that samples taken were possibly exchanged.

Game

Mpumalanga

Nelspruit: dr. Derik Venter

Intestinal roundworms (Sable 3)

Tapeworms (Sable 1)

Cysticercosis (Sable 1)

Brown ear-ticks (Zebra 3)

Bont-legged ticks (Zebra 3, Giraffe 3)

Ringworm (Buffalo 1)

Coccidiosis (Klipspringer 2, Sable 2)

Warts (Zebra 1)

Poor condition (Buffalo 1)

Dystocia (Giraffe 1)

Ophthalmia (Nyala 3) During a capture and translocation operation in the Kwazulu-Natal region it was observed that high percentages of Nyala had corneal lesions which varied from sub-clinical to severe (to the extent that the eye is lost). From what I've heard, a lot of farmers will not even consider treatment and rather cull the affected animals. Interestingly; the most cases I've seen was on farms that haven't introduced new bulls for quite some time. Could there be a genetic association that inbreeding make them more prone to eye infections?

Gauteng

Onderstepoort: dr. Jacques O'Dell

Limpopo

Bela-Bela: dr. Marius du Toit

Severe intestinal parasite infestations in sable and roans.

Machado: drs. Harris, Klopper and Jacobs

Severe wireworm infestations in sable in small camps.

Modimolle: drs. Huber, Bredell and Barnard

North West

KwaZulu-Natal

Mtubatuba: dr. Trever Viljoen

Brown ear-ticks in game (3)

Ophthalmia (3) Localised outbreak of ophthalmia in Nyala with a lot of these animals culled due to blindness. Other species on the same farms are not affected.

Northern Cape

Kimberley: drs. Van Heerden and Swart

Upington: dr. Ian Vorster

Horses

Mpumalanga

Nelspruit: dr. André Beytell

African Horse sickness (AHS) cases reported and confirmed from large areas of the southern Lowveld. Most of these cases were vaccinated against AHS. There was a high mortality rate especially in young foals less than 2 years of age. The question is whether immunity in these foals was still incomplete.

Gauteng

Bronkhorstspuit: dr. Herman de Bruin

Ophthalmia in horses (2)

North West

Brits: drs. Boshoff and Hahn

Theileriosis (Babesiosis) in the Brits and Hartebeestpoort dam areas. At least 10 cases were reported and treated.

Free State

Dewetsdorp: dr. Marike Badenhorst

Theileriosis (Babesiosis) (2)

KwaZulu-Natal

Camperdown: Anthony van Tonder

Hoof abscesses (1)

Ophthalmia (1)

Underberg: dr. Pete Dommett

Six cases of Middelberg virus infection in 18 month old horses. Since 2009 this disease had been present in our 18 month old group.

Sweet itch is present in horses.

Northern Cape

Kimberley: drs. Van Heerden and Swart

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Pigs

KwaZulu-Natal

Camperdown: Anthony van Tonder

E. coli (1)

Eastern Cape

Humansdorp: drs. Van Niekerk, Jansen van Vuuren, Barker and Kotzé

Western Cape

George: drs. Strydom, Truter and Pettifer

Nuisance flies (3)

E. coli (3)

Navell ill (2)

Diarrhoea (3)

Stellenbosch: dr. Annelize Jonker

Caledon area: *Streptococcus dysgalactiae* subspecies *equisimilis* and *Pasteurella multocida* was isolated from a lung sample from a carcass that presented with severe pneumonia.

Cape Town area: *Staphylococcus hyicus* was isolated from skin scrapings from a carcass of a pre-wean piglet with multifocal skin lesions. The isolate was sensitive to oxacillin, but resistant to penicillin, ampicillin and amoxicillin/clavulanic acid. It was also sensitive to cephalothin, tetracycline, sulphonamides, potentiated sulphonamides, enrofloxacin and erythromycin.

Haemolytic *E. coli* was isolated from small intestine samples from carcasses of piglets. The farm had a history of post weaning diarrhoea.

Eastern Cape: Haemolytic *E. coli* was isolated from an ileum sample from a weaner piglet.

Riversdal: drs. Du Plessis, Taylor and de Bruyn

Nitrate poisoning in 25 pigs of which 8 died. Suspect whey was poisoned.

Practices that had nothing to report

North West

Vryburg – drs. Labuschagne and De Jager

Feedlot report

Feed lot report for February 2014: drs. Shaun Morris and Eben du Preez

Sheep feedlots

The incidence of pneumonia, foot rot, coccidiosis and wireworm infestation increased due to the wet weather conditions.

An outbreak of *Salmonella* Typhimurium caused serious losses in a feedlot. The sheep were infected on the farm of origin as mortalities commenced a day after arrival. It is suspected that the infection was picked up while sheep were kraaled before transported. Especially in wet conditions infection can spread rapidly.

Mortalities due to pulpy kidney are always present. Losses could be curbed if lambs are vaccinated once with pulpy kidney vaccine with an oil adjuvant at 2 to 3 months of age.

Cattle feed lots

Lung health of cattle have been relatively good in February. In areas where it had been very wet pneumonia cases increased.

Foot rot cases increased due to wet conditions in kraals.

Lumpy skin cases occurred.

Mortalities due to acidosis coupled with bloat and red gut are ascribed to feeding patterns that were hampered due to rainy conditions.

Blackquarter cases occurred and a few cases of swelled head were diagnosed.

Numerous cases of ringworm were seen in calves with lower body weights.

Permanent infected BVD calves were diagnosed in animals in poor condition, diarrhoea and which died. Severe damage was seen in the intestinal tract especially in the large intestine.

Mortalities in calves due to red water and anaplasmosis occurred in numerous feedlots.

A few loads of calves arriving at feedlots had severe blue tick infestations.

Laboratory reports

Monthly report from dr. Marijke Henton, Idexx SA – Johannesburg

February was a quiet month regarding farm animal bacterial disease, except for samples from pigs. Paratyphoid, caused by *Salmonella* Typhimurium, caused deaths in feedlot sheep. It must be remembered that paratyphoid is a zoonosis, and as recovered animals may remain carriers, such an outbreak can have implications after the outbreak has ceased. *Salmonella* Typhimurium is the second most common *Salmonella* infecting man in South Africa, and so contaminated meat would be a real threat to human health.

Clostridium novyi was isolated from a case of bovine clostridial myositis, and it was typed as type B. Type B is included in imported clostridial vaccines, whereas the Onderstepoort vaccines contain type A. Although not proven, there appears to be little or no cross-protection between the Types A and B.

Apart from colibacillosis in 3 pigs, *Klebsiella pneumoniae* caused septicaemia in one pig. *Streptococcus dysgalactiae*, previously *Streptococcus equisimilis*, caused arthritis in one pig, and pneumonia in another. Smears from suspect abattoir pigs were negative for anthrax, illustrating the fact that it is not so easy to diagnose anthrax from smears alone.

Monthly report from the Provincial Veterinary Laboratory in Stellenbosch – dr. Annelize Jonker

Specie affected	Describe the conditions and the severity of the disease or problem
Bovine	<p><u>Stellenbosch area:</u> A heavy mixed culture of haemolytic <i>E. coli</i>, <i>Streptococcus uberis</i> and <i>Pseudomonas aeruginosa</i> was isolated from a swab taken from udder tissue of a carcass that had macroscopic lesions of a severe, acute, purulent mastitis.</p> <p>A swab from a carcass of a calf that presented with purulent omphalophlebitis yielded a heavy, pure growth of <i>E. coli</i>.</p> <p><u>Paarl area:</u> <i>Pseudomonas aeruginosa</i> was isolated from lung and liver samples from a calf carcass. The calf had been treated with several antibiotics for more than two weeks without improvement. The isolate was only sensitive to gentamicin, sulphonamides and colistin.</p> <p><u>Eastern Cape:</u> <i>Tritrichomonas foetus</i> was isolated from a sheath wash.</p> <p><u>Northern Cape:</u> A Group I <i>Salmonella</i> was isolated from faecal samples from calves with severe diarrhoea.</p>

Porcine	<p><u>Caledon area</u>: <i>Streptococcus dysgalactiae</i> subspecies equisimilis and <i>Pasteurella multocida</i> was isolated from a lung sample from a carcass that presented with severe pneumonia.</p> <p><u>Cape Town area</u>: <i>Staphylococcus hyicus</i> was isolated from skin scrapings from a carcass of a pre-wean piglet with multifocal skin lesions. The isolate was sensitive to oxacillin, but resistant to penicillin, ampicillin and amoxicillin/clavulanic acid. It was also sensitive to cephalothin, tetracycline, sulphonamides, potentiated sulphonamides, enrofloxacin and erythromycin.</p> <p>Haemolytic <i>E. coli</i> was isolated from small intestine samples from carcasses of piglets. The farm had a history of post weaning diarrhoea.</p> <p><u>Eastern Cape</u>: Haemolytic <i>E. coli</i> was isolated from an ileum sample from a weaner piglet.</p>
Ovine	<p><u>Stellenbosch area</u>: On two occasions <i>Mannheimia haemolytica</i> was isolated from a lung samples from a carcasses that presented with pneumonia.</p> <p><u>Northern Cape</u>: A foetus tested positive for <i>Chlamydophila pecorum</i> by PCR at the ARC-OVI.</p>