Monthly report on livestock disease trends as informally reported by veterinarians belonging to the Ruminant Veterinary Association of South Africa (RuVASA), a group of the South African Veterinary Association

June 2015

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

Click on Disease Reports

The following practices and laboratories (116) submitted reports during May 2015:

Mpumalanga (10)

Balfour - Dr. Louis van Jaarsveld

Bethal - Dr. Hardus Pieters

Ermelo – Drs. Potgieter and Steinberg

Grootvlei – Dr. Neels van Wyk

Lydenburg – Drs. Trümpelmann and Steyn

Nelspruit – Dr. André Beytell

Middelburg – Drs. Fourie and Erasmus

Piet Retief - Drs. Niebuhr and Weber

Standerton - Dr. Kobie Kroon

Volksrust – Dr. André Visser

Gauteng (5)

Bapsfontein -

Bronkhorstspruit - Drs. De Bruin, De Bruin, Rudolph and Slabber

Krugersdorp – Drs. Jeffery, Van Eeden and Walker

Nigel - Dr. Cindy van der Westhuizen

Onderstepoort Veterinary Academic Hospital – proff. Annandale, Prozesky, Shakespear, Holm and

drs. Blignaut, Carrington, Gratwick, Grobler, Harmse and O'Dell

Pretoria – Dr. Hanneke Pienaar

Limpopo (6)

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

Lephalale (Ellisras) – Dr. Brigitte Luck

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

Mokopane (Potgietersrus) - Dr. Henk Visser

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

Cremona

Vaalwater - Dr. Hampie van Staden

North West (18)

Christiana - Dr. Pieter Nel

Klerksdorp – Drs. Van den Berg and Theron

Leeudoringstad - Dr. Ian Jonker

Schweizer - Reneke - Dr. N.J. Heyns

Stella - Dr. Magdaleen Vosser

Swartruggens - Dr. Roselle Hartwigsen

Ventersdorp - Drs. Marais and Benade

Vryburg – Dr. Jurie Kritzinger

Free State (20)

Bethlehem – Drs. Strydom and Strydom

Bothaville - Dr. Johan Blaauw

Bultfontein – Dr. Santjie Pieterse

Clocolan - Dr. Wasserman

Dewetsdorp – Dr. Marike Badenhorst

Ficksburg – Dr.Kotze and Coetzer

Frankfort - Drs. Lessing, Cilliers and Janse van Rensburg

Harrismith - Drs. Thirion, Pretorius and Nel

Hertzogville – Dr. Nico Hendrikz

Hoopstad - Dr. Kobus Pretorius

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

Ladybrand/Excelsior - Drs. De Vos and Nel

Memel – Drs. Nixon and Nixon

Parys – Drs. Wessels and Wessels

Reitz - Dr. Murray Smith

Viljoenskroon - Dr. Johan Kahts

Villiers – Drs. Hattingh en Hauptfleisch

Vrede - Drs. Myburgh and Bester-Cloete

Wesselsbron – Dr. Johan Jacobs

Zastron – Dr. Phillip Brand

KwaZulu-Natal (18)

Bergville - Dr. Ariena Shepherd

Bergville – Dr. Jubie Muller

Camperdown – Dr. Anthony van Tonder

Dundee - Dr. Tony Grace

Dundee – Drs. Marais and Fynn

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

Greytown - Dr. Mike Caldicott

Ingogo – Dr. Trish Oglesby

Kokstad- Drs. Clowes and Shrives

Mooi River - Drs. Fowler, Hartley, Waterman and Mallet

Mtubatuba – Dr. Trever Viljoen

Newcastle – Dr. Barry Rafferty

Pietermaritzburg – Dr. Rick Mapham

Pietermaritzburg – Dr. Phillip Kretzmann

Pongola – Dr. Heinz Kohrs

Underberg - Drs. Collins, King and Delaney

Underberg – Dr. Pete Dommett

Vryheid – Drs.Theron and Theron

Eastern Cape (12)

Alexandria - Drs. Olivier and Dreyer

Alexandria - Dr. Thys Potgieter

Aliwal North - Drs. Troskie and Strauss

Cradock - Dr. Frans Erasmus

Graaff- Reinet - Dr. Roland Larson

Graaff – Reinet – Drs. Hobson, Strydom and Henessey

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

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

Port Alfred - Dr. Leon de Bruyn

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

Stutterheim - Dr. Dave Waterman

Uitenhage - Drs. Mulder and Krüger

Western Cape (14)

Beaufort West - Drs. Pienaar and Grobler

Caledon - Drs.Retief and Rissik

Darling – Drs. V.d. Merwe, Adam and Senekal

George - Drs. Strydom, Truter, and Pettifer

Heidelberg – Dr. Albert van Zyl

Malmesbury – Dr. Otto Kriek

Malmesbury – Dr. Markus Fourie

Oudtshoorn - Dr. Glen Carlisle

Oudtshoorn – Dr. Adriaan Olivier

Plettenberg Bay - Dr. André Reitz

Stellenbosch – Dr. Alfred Kidd

Swellendam – Dr. Jacques Malan

Vredenburg - Dr. Izak Rust

Wellington – Dr. William van Zyl

Northern Cape (6)

Calvinia – Dr. Bertus Nel

De Aar - Dr. Donald Anderson

Kathu – Dr. Jan Vorster

Kimberley – Drs. Van Heerden and Swart

Kuruman – Dr. Gerhard van der Wesrhuizen

Upington – Drs. Vorster and Visser

Feedlots (2)

Drs. Morris and Du Preez

Dr. Andy Hentzen

Laboratory reports (5)

Dr. Marijke Henton - Idexx SA Johannesburg

Dr. Liza du Plessis – Idexx SA Onderstepoort

Dr. Annelize Jonker – Provicial Vet Lab, Stellenbosch

Dr. Rick Last - Vetdiagnostix, Pietermaritzburg

Dr. Lucy Lange - Pathcare Vetlab, Cape Town

Summary of disease report for June 2015

116 Reports from veterinary practices and laboratories were received (Mpumalanga (MP)10; Gauteng (G) 5; Limpopo (L) 6; North West (NW)18; Free State (FS) 20; KwaZulu-Natal (KZN) 18; Eastern Cape (EC) 12; Western Cape (WC) 14; Northern Cape (NC) 6; Feedlots (FL)2 and Laboratories (Lab) 5).

Take home message:

Winter is setting in and in many areas the nutritional value of grazing is poor. Animals are losing condition and immune levels drop. Supplementary nutrition should be given in time to prevent animals from losing too much condition as this will lead to disease, lower conception rates, resorbtions and abortions.

On many farms animals are grazed in views and farmers should be aware of liver and conical fluke infestations.

The venereal transmitted disease trichomonosis is causing serious reproduction losses and the zoonotic disease, bovine brucellosis, needs all our attention in controlling this terrible disease!

Contact your veterinarian to help you update your vaccination and management programmes for production animals.

Internal parasites

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

Internal parasites	MP	G	L	NW	FS	KZN	EC	WC	NC
Roundworms	Х	х	х	Х	Х	Х	Х	Х	
Wireworm	х				Х	Х			
Brown stomach-worm							Х		

Tapeworms	Х		х	Х	Х	Х		Х	
Liver fluke	Х	х	х		Х	Х		Х	
Conical fluke	Х				Х	Х	Х	Х	
Cysticercosis (measles)	Х	х			Х	Х			
Schistosomiasis (bilharzia)	х								
Coccidiosis	Х	х			Х	Х	Х	Х	Х

Although there is a perception that parasite infestation is not a problem in the winter months, always be aware of clinical signs such as anaemia, bottle jaw, weight loss and diarrhoea that are signs of parasitism. Faecal egg counts can be done to assess whether there are problems.

Water sources are the habitat of snails, the intermediate hosts of liver and conical fluke worms and bilharzia. Beware of infestation when animals are moved into areas where snails are present. Regularly update control programmes with the help of your veterinarian.

Visit the following website for the classification and action of the various anthelmintics

http://landbou.com/kundiges/vra-vir-faffa/klassifikasie-en-werking-van-verkillende-wurmmiddels/

External parasites

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

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

In some areas tick infestations are still exceptionally high. Remember that immature stages of the multi-host ticks are present on animals in the winter. Check the inner ear and spot treat if they are present.

Visit the following website for information on the various chemical groups that are available for the control of external parasites and update your control programme:

http://landbou.com/kundiges/vra-vir-faffa/chemiese-beheer-van-bosluise/

Tick borne diseases

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

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

Vacccines are available to protect animals against these diseases. Visit the following website for more information on these vaccines and how to use them:

http://landbou.com/kundiges/vra-vir-faffa/entstowwe-teen-bosluisoorgedraagde-siektes-in-beeste/

Insect transmittable diseases

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

Insect transmittable diseases	MP	G	L	NW	FS	KZN	EC	WC	NC
Lumpy skin disease	Х	х	х		Х	Х		Х	
Ephemeral fever (Three day stiff sickness)					Х				
Blue tongue							Х		
Rift Valley Fever									
Wesselsbron									

As the insect population is declining in winter, the incidence of these diseases also declines except for lumpy skin disease which is also transmitted by ticks. Vaccines are available to immunize animals against these diseases. As vaccine against blue tongue becomes available, especially vaccinate sheep that have not been vaccinated before.

Venerial diseases

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

Venereal diseases	MP	G	L	NW	FS	KZN	EC	WC	NC
Trichomonosis	Х			X	Х	Х	х		
Vibriosis			х				х		
Pizzle disease							Х	Х	Х

These diseases cause huge economic losses to farmers. Discuss tests and biosecurity measures with your veterinarian.

Bacterial diseases

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

Bacterial diseases	MP	G	L	NW	FS	KZN	EC	WC	NC
Blackquarter	х			Х	х	Х	х	х	х
Botulism								Х	Х
Pulpy kidney				Х	х	Х	Х	х	Х
Lamb dysentry					х				
Swelled head	Х	х	х						
Red gut (cattle)					х	x			
Blood gut (sheep)	X				х	Х		Х	
Tetanus					х	Х			
Salmonellosis	X				х	Х			Х
Bovine brucellosis	X		х	X	х		х		
Ovine brucellosis									Х
Johne's					х	Х	Х	х	
Pseudomonas						Х			
Septicaemia					х		Х	х	
E. coli	Х	х		Х	х	х	Х		
Enzootic abortion		х			х				
Lumpy wool							х		
Intrauterine gangrene	х								

Vaccines exist for many of these diseases. Many farmers feed their animals chicken litter, hopefully animals have been vaccinated against botulism and a booster given as well!

According to law all heifers have to be vaccinated with Strain 19 brucellosis vaccine between 4 to 8 months of age. Has this been done?

Update your vaccination programme and order vaccines and booster doses in advance!

Viral diseases

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

Viral diseases	MP	G	L	NW	FS	KZN	EC	WC	NC
BMC (snotsiekte)			х	Х	х	Х	х		
Rabies						Х			
BVD					х	Х		х	
IBR		х			х		x		
PI3		х		Х		Х	х		
Enzootic bovine leucosis (EBL)		х		Х		Х	х		
Jaagsiekte				Х		Х	х		
Orf	х		х	Х	х	Х	х	х	
Warts	х		х	X	X	X	х	х	
Sheep leucosis							х		

The incidence of snotsiekte is increasing due to game farming. As there is no vaccine against this disease at present, this disease has to be managed. Discuss measures with your veterinarian.

The same can be said for EBL –this debilitating disease is costing the dairy farmer huge amounts of money. See the information below supplied by Dr. François van Niekerk from Humansdorp.

BOVINE LEUKAEMIA VIRUS / ENZOOTIC BOVINE LEUKOSIS [EBL]

Some information and statistics from the USA [Hoards Dairyman]:

Surveys in the USA show that 87% of herds are infected with EBL and that 33% of cows in those herds are carrying the virus.

For every 10 percent increase in EBL prevalence, a herd experiences a drop in milk of 100 lites per cow per year. If a herd has a 40 percent infection rate, that is equivalent to 400 litres of milk lost per cow per year, thus in South African terms in a 1000 cow herd receiving R4.50/litre, the loss is R1.8m per annum!

A study at Michigan State University found that milk losses were more apparent in older cows [which is logical as the virus has a greater effect on immunity and the cancerous lesions get bigger with age]. Besides milk production, EBL can affect cow longevity, cause genetic losses [from early culling], lower immune response and, in general, negatively impact cow health.

While EBL can be difficult to eliminate from a herd, the following practices can help reduce the risk:

- Single-use palpation sleeves [plastic gloves] or at least new sleeves after palpating known
 EBL positive cows
- Single use of needles
- Heat- or freeze-treated colostrum or milk fed to calves
- Good fly control
- Avoiding natural breeding with infected bulls
- Testing purchased animals prior to introduction to the herd

Toxicities

The following toxicities were reported by practices in the provinces:

Toxicities	MP	G	L	NW	FS	KZN	EC	wc	NC
Cardiac glycoside					х				
Cestrum (ink berry)		х			х				
Cynanchum (bobbejaantou)				Х					
Facial eczema					х				
Lantana						Х	Х		
Nitrate					Х				
Prussic acid					Х	X	X		
Senecio						Х			
Tulip					х	Х	Х		
Vermeersiekte				Х					
Mycotoxicosis								Х	
Diplodiosis					х				

Kraalbos						Х	
Crotolaria							Х
Water contamination	х		Х	Х	Х		
Urea			х	X			
Snake bite			Х				
Blue green algae				Х			
Copper					Х	Х	
Selenium						Х	

Nutritional deficiencies

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

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

Due to winter and drought conditions the energy and protein values of grazing are decreasing. Additional licks and supplementation are therefore needed.

Micro-nutritional deficiencies

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

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

Multifactorial diseases and other conditions

The following conditions were reported by practices in the provinces

Multifactorial diseases and other conditions	MP	G	L	NW	FS	KZN	EC	WC	NC
Abortions	х	х	х	Х	х	х	х	Х	
Stillbirths					х	Х		Х	
Abscesses	Х	х		Х	х	Х	х		
Bladder stones					х			Х	
Blindness					х	Х			
Bloat					х				
Blood gut					х				
Blue udder				Х	Х		х	Х	

Diarrhoea	х	х	х	х	Х		х	
Eye cancer				х	Х	х	х	
Eye infections		х	х	х	Х	х	х	
Joint ill	х		Х	х			х	
Lameness/foot problems	х	х	Х	х	Х	х	х	
Lung infection	х	х	х	х	Х	х	х	х
Mastitis	х			х	Х		х	
Navel ill					Х	х		
Red gut				х				
Trauma		х						
Downer				x	Х		х	

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

Metabolic diseases

The following diseases were reported by practices in the provinces:

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

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

Reproductive diseases

Reproductive diseases	MP	G	L	NW	FS	KZN	EC	wc	NC
Dystocia (difficult calving)		х	Х	Х	х	Х	Х	Х	Х
Endometritis					х				
Metritis	х	х	х		х	Х		Х	
Poor conception	Х			Х	х	Х	Х		
Retained afterbirth	х	х			х	Х	Х	Х	
Sheath prolapse					х				
Uterus prolapse	х	х		х	х	Х		Х	
Vaginal prolapse	Х	х			х	Х			

Environmental conditions

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

Comment:

In the CODE OF CONDUCT of the RPO the following standard operating procedures are documented. The local veterinarian should be your partner to help you achieve the necessary standards. http://www.rpo.co.za/BestPractices/English.aspx

PRECAUTIONARY MEASURES TO SUPPORT BIO-SECURITY.

Precautionary measures are required to protect the herd against diseases acquired because of external contact. The following categories are of concern:

1. DIRECT LIVESTOCK PURCHASES (and own animals returning):

The following should be *verified* before importing new animals into the herd:

- How long animals have resided at the purchase or previous location?
- Have there been any recent disease outbreaks in the location?
- Do brand marks clearly confirm ownership?
- Was a vaccination program followed (need paper or veterinarian proof). What are the local prevalent external parasites and the routinely implemented control program?
- Is a veterinarian supported control program against transmittable diseases followed?
- Dates and sufficient number of tests for reproductive diseases of both male and female
- Dates and tests for zoonotic diseases

The above should also be verified with the purchaser's own veterinarian.

2. PURCHASES FROM SALES OR SPECULATORS

- Purchase only in areas which are not in close proximity to scheduled areas
- Visually inspect the animals before purchasing for:
- * brand marks

3. TRANSPORT TO THE FARM

- Use only reputable transporters
- Has the truck been cleaned and disinfected?
- Truck to follow the shortest uninterrupted route
- Truck to take the shortest route to the handling facilities
- Do not allow the truck personnel to get in contact with the farm herd

4 ARRIVAL ON THE FARM

- Off-load the livestock to limit stress and to be visually evaluated for any unnatural conditions
 - Isolate them from the farm herd and shared facilities for at least 21 days (quarantine)
 - Retest for diseases of concern if needed, before mixing with the rest of the herd
 - Process new arrivals within 24 hrs after arrival (unique ID tag brand, dip, dose, vaccinate)
 - Inspect regularly

5. FEED PURCHASES

- Ensure bales of hay are sourced from areas that are not bordering scheduled areas
- Purchase feed from reputable dealers only
- Avoid buying feed in second hand bags
- Ensure feed trucks are also disinfected and cleaned, especially if also used to transport animals to abattoirs

6. VISITORS

^{*} parasite infestation

- Do not allow strangers or their vehicles amongst the livestock
- Ensure fences are well maintained and preferably jackal and warthog proof

7. EMPLOYEES

- Do not allow the employees to eat in feed stores
- Supply employees with sufficient ablution facilities
- Regularly arrange to let employees be medicated for tape worm and have health check-ups
- Keep record of all employee livestock on the property
- Treat employee livestock with separate but dedicated health programs
- Ensure employees understand the reason behind the implemented bio-security measures to help ensure compliance.

GENERAL AND REPRODUCTION MANAGEMENT

- Record keeping: All animals are individually identified and recorded.
- To prove ownership: All animals are marked with the registered brand mark according to the Animal Identification Act, No 6 of 2002.
- A defined breeding season is the basis of effective management: The breeding season coincides with the rainy season, i.e. the period when nutritive value of the pasture is at its best.
- Sufficient energy reserves in the herd as measured by condition scoring are vital, especially
 for effective breeding, and when inadequate the herd is supplemented in consultation with
 a nutritionist: Condition scoring of bulls and cows are regularly done, particularly at the
 onset of the breeding season and supplemented if necessary.
- Bull cow ratios are maintained: A ratio of 1 to 25 is maintained in every separate herd.
- Fertility of breeding bulls: All breeding bulls are tested for mating ability and semen quality before the breeding season.
- Sexually transferable diseases: Sheath washes or scrapes on bulls are performed annually.
- Diseases that can cause poor conception, abortion or weak calves: Cows are vaccinated against such diseases in consultation with the veterinarian.
- Breeding success monitored by a veterinarian: Rectal pregnancy or scan diagnosis is done by the veterinarian 8 weeks after the breeding season.
- Twenty percent of cows or more not pregnant: Further tests are done to determine cause of low pregnancy rate.
- Culling of non-pregnant cows: Non-pregnant cows are removed from the herd and considered a necessary bonus to supporting herd income.

HERD HEALTH AND BIO-SECURITY

- Maintenance of herd health is key to a successful enterprise: A veterinarian should visit the farm bi-annually at least.
- Calf mortality before 3 months of age is an important reason for poor weaning percentage: Good management practices are applied to limit early calf deaths.
- Some diseases and parasites (internal and external) are more often encountered in specific areas: Annual vaccinations and a parasite control program should be applied according to regional requirements and in liaison with the veterinarian.
- Farmers selling weaned calves to feedlots may want to have a market advantage compared to others: A specific vaccination program is applied before weaning for that purpose.
- Herds may be at risk of being exposed to CA and TB: The herd is tested annually for CA and all heifers are vaccinated against CA between 4 and 8 months of age with an efficient, approved remedy. The herd is tested at least every 5 years for TB

- Precautionary measures are required to prevent diseases being imported into the herd: A
 quarantine program to keep incoming animals separate is followed. All incoming animals
 have a suitable certificate of negative test results or are of a certified clean, closed herd.
- Stock remedies and medicines should be registered, correctly stored and used before the transpire date: All medicines and stock remedies are registered, stored and applied according to prescription.
- Prescribed medicines with a specific application are under the control of the veterinary profession: All prescription medicines are obtained and applied under prescription from a veterinarian.

Reports were also received from practices regarding ostriches, horses and game. These reports as well as the feedlot and laboratory reports are to be seen below the Disease distribution report as reported by veterinarians.

DISEASE DISTRIBUTION REPORT AS REPORTED BY VETERINARIANS

	Table of Contents					
<u>Internal Parasites</u>	Roundworms in general, Resistant Round Worms, Wireworm, Brown stomach-worm, Nodular worm, Tape Worms, Liver fluke, Conical Flukes, Cysticercosis, Other					
External Parasites	Blue ticks, Resistant blue Ticks, Heartwater (Bont) ticks, Brown ear-ticks, Bont-legged ticks, Red-legged ticks, Paralysis ticks, Biting lice (red lice), Sucking lice (blue lice), Scab mites, Mange Mites, Nuisance Flies, Blowflies, Screw-worm, Nasal bot larvae, Midges, Itch mite					
<u>Tick-borne Diseases</u>	African red water, Asiatic red water, Anaplasmosis, Heartwater					
Insect Transmittable Diseases	Lumpy skin disease, Three-day-stiffsickness, Blue tongue					
Venereal Diseases	Trichomonosis, Vibriosis, Pizzle disease					
Bacterial Disease (other)	Blackquarter, Botulism, Pulpy Kidney, Lamb dysentry, Swelled head disease, Redgut (cattle), Blood gut (Sheep), Tetanus, Salmonellosis, Brucella abortus, Brucella ovis, Johne's disease, Pseudomonas, Septicaemia, E. coli, Enzootic Abortion, Dermatophilosis (Lumpy Wool), Intrauterine Gangrene, Other					
Protozoal diseases (other)	<u>Coccidiosis</u>					
<u>Fungal diseases</u>	Ringworm					
<u>Viral Diseases (other)</u>	BMC, Rabies, BVD (Bovine viral diarrhoea), IBR (Infectious bovine rhinotracheitis), PI3, Enzootic Bovine Leucosis (EBL), Jaagsiekte, Orf, Warts, Sheep leucosis					
Poisonings (Plant) and Fungal	Cardiac glycoside poisoning, <i>Cestrum</i> , <i>Cynanchum</i> poisoning, Facial eczema, <i>Lantana</i> , Nitrate poisoning, Prussic acid poisoning, Seneciosis,					

			Tulip	Poisonir	ng, <u>Verm</u>	neersiekte (<i>G</i> Diplodiosis,		o.), Mycotox	icosis,		
	<u>Poisonings</u>		Water co	ontamina		ea Poisoning pper Poisonii		e, <u>Blue-gre</u>	en algae ,		
Macro N	lutritional Pro	<u>blems</u>	<u>Energy</u>	deficienc	y, <u>Prote</u>	in deficiency, deficien		e deficiency	, <u>Calcium</u>		
Micro N	utritional Prol	<u>blems</u>				oper deficiency, <u>V</u> deficiency, <u>V</u> deficien	itamin A d				
<u>Multi-facto</u>	rial Disease Co	onditions	Blindness, Cancer, Ey	Bloat, Blee infection	lood gut ons, Joir	cesses, Absce (sheep and at III, Lamene avel III, Redgi	goat), Blue ess/Foot Pr	e udder, <u>Dia</u> oblems, Lur	rrhoea, Eye		
<u>Met</u>	abolic Disease	e <u>s</u>		Acidosis	s, <u>Displa</u>	ced abomasu	ım, Ketosis	s, <u>Milk Fever</u>	:		
Repro	oductive disea	<u>ses</u>				s), <u>Endometr</u> th Prolaps, <u>U</u> prolaps	terus prola				
Cli	imatical Cause	2			Cold e	exposure, Fro	zen to dea	<u>th</u>			
	Residues					Drug resid	<u>lues</u>				
Non:	specific diseas	ses es	Cause of	ot estab	lished, <u>Predit</u>	ors, <u>Sabot</u>	ation - Thef	t, <u>Trauma</u>			
Internal Parasites											
		Rou	ndworm	s in ge	eneral				^		
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Average	3.0 (1)	3.0 (1)	2.0 (2)	2.0 (3)	1.9 (11)	1.4 (9)	1.6 (5)	1.9 (7)			
Level of imp	ortance scale: 1	= one cas	e, 2 = more	e than or reporte		but less than	ten and 3	= more tha	in 10 cases		
Beef				2.0 (1)	` '	` '		1.5 (2)			
Sheep Goat	3.0 (1)	3.0 (1)	2.0 (1)	2.0 (2)	2.0 (8)	1.3 (3) 1.5 (4)	1.8 (4)	2.0 (4)			
GUAL			. ,	1pumala	anga	1.5 (4)	1.0 (1)	2.0 (1)			
				lerton, l		et					
				Sheep:							
		Pretoria	a, Anima V	Gaute eterina		sulting Rooi	ms				
			,	Sheep:	3	J					
			Maler	Limpo							
			Mokopa	ne, Dr I	ienk Vi	sser					

Shooni 2 Goati 2
Sheep: 2, Goat: 2 North West
Christiana, Christiana Dierehospitaal
Sheep: 2
Klerksdorp, Klerksdorp Dierehospitaal
Beef: 2, Sheep: 2
Free State
Bethlehem, Bethlehem Animal Hospital
Beef: 1
Clocolan, Clocolan Dierekliniek
Sheep: 2
Frankfort, Frankfort Dierekliniek
Sheep: 2
Harrismith, Harrismith Dierehospitaal
Sheep: 3
Hoopstad, Hoopstad Dierekliniek
Sheep: 2
Kroonstad, Kroonstad Dierehospitaal
Sheep: 2
Ladybrand, Ladybrand / Excelsior Dierekliniek
Beef: 2
Memel, Memel Veterinary Clinic
Sheep: 2
Viljoenskroon, Viljoenskroon Dierekliniek
Sheep: 2
Villiers, Wilgepoort Dierekliniek Vennootskap
Sheep: 1
Vrede, Vrede Dierehospitaal
Beef: 2
Kwazulu-Natal
Bergville, Tugela Vet Clinic
Beef: 1, Sheep: 1, Goat: 1
Estcourt, Estcourt Vet Clinic
Goat: 2
Mooi River, Mooirivier Vet Clinic
Mooi River, Mooirivier Vet Clinic Sheep: 1, Goat: 1
·
Sheep: 1, Goat: 1 Mtubatuba, Mtubatuba Animal Clinic Beef: 2, Goat: 2
Sheep: 1, Goat: 1 Mtubatuba, Mtubatuba Animal Clinic Beef: 2, Goat: 2 Pietermaritzburg, Richmond Veterinay Clinic
Sheep: 1, Goat: 1 Mtubatuba, Mtubatuba Animal Clinic Beef: 2, Goat: 2 Pietermaritzburg, Richmond Veterinay Clinic Sheep: 2
Sheep: 1, Goat: 1 Mtubatuba, Mtubatuba Animal Clinic Beef: 2, Goat: 2 Pietermaritzburg, Richmond Veterinay Clinic Sheep: 2 Eastern Cape
Sheep: 1, Goat: 1 Mtubatuba, Mtubatuba Animal Clinic Beef: 2, Goat: 2 Pietermaritzburg, Richmond Veterinay Clinic Sheep: 2 Eastern Cape Graaff-Reinet, Camdeboo Veterinary Clinic
Sheep: 1, Goat: 1 Mtubatuba, Mtubatuba Animal Clinic Beef: 2, Goat: 2 Pietermaritzburg, Richmond Veterinay Clinic Sheep: 2 Eastern Cape Graaff-Reinet, Camdeboo Veterinary Clinic Sheep: 1, Goat: 1
Sheep: 1, Goat: 1 Mtubatuba, Mtubatuba Animal Clinic Beef: 2, Goat: 2 Pietermaritzburg, Richmond Veterinay Clinic Sheep: 2 Eastern Cape Graaff-Reinet, Camdeboo Veterinary Clinic Sheep: 1, Goat: 1 Humansdorp, Humansdorp Veterinary Clinic
Sheep: 1, Goat: 1 Mtubatuba, Mtubatuba Animal Clinic Beef: 2, Goat: 2 Pietermaritzburg, Richmond Veterinay Clinic Sheep: 2 Eastern Cape Graaff-Reinet, Camdeboo Veterinary Clinic Sheep: 1, Goat: 1 Humansdorp, Humansdorp Veterinary Clinic Sheep: 2
Sheep: 1, Goat: 1 Mtubatuba, Mtubatuba Animal Clinic Beef: 2, Goat: 2 Pietermaritzburg, Richmond Veterinay Clinic Sheep: 2 Eastern Cape Graaff-Reinet, Camdeboo Veterinary Clinic Sheep: 1, Goat: 1 Humansdorp, Humansdorp Veterinary Clinic Sheep: 2 Middelburg (EC), Steynsburg Dierehospitaal
Sheep: 1, Goat: 1 Mtubatuba, Mtubatuba Animal Clinic Beef: 2, Goat: 2 Pietermaritzburg, Richmond Veterinay Clinic Sheep: 2 Eastern Cape Graaff-Reinet, Camdeboo Veterinary Clinic Sheep: 1, Goat: 1 Humansdorp, Humansdorp Veterinary Clinic Sheep: 2 Middelburg (EC), Steynsburg Dierehospitaal Sheep: 2
Sheep: 1, Goat: 1 Mtubatuba, Mtubatuba Animal Clinic Beef: 2, Goat: 2 Pietermaritzburg, Richmond Veterinay Clinic Sheep: 2 Eastern Cape Graaff-Reinet, Camdeboo Veterinary Clinic Sheep: 1, Goat: 1 Humansdorp, Humansdorp Veterinary Clinic Sheep: 2 Middelburg (EC), Steynsburg Dierehospitaal Sheep: 2 Queenstown, Queenstown Veterinary Clinic
Sheep: 1, Goat: 1 Mtubatuba, Mtubatuba Animal Clinic Beef: 2, Goat: 2 Pietermaritzburg, Richmond Veterinay Clinic Sheep: 2 Eastern Cape Graaff-Reinet, Camdeboo Veterinary Clinic Sheep: 1, Goat: 1 Humansdorp, Humansdorp Veterinary Clinic Sheep: 2 Middelburg (EC), Steynsburg Dierehospitaal Sheep: 2 Queenstown, Queenstown Veterinary clinic Sheep: 2
Sheep: 1, Goat: 1 Mtubatuba, Mtubatuba Animal Clinic Beef: 2, Goat: 2 Pietermaritzburg, Richmond Veterinay Clinic Sheep: 2 Eastern Cape Graaff-Reinet, Camdeboo Veterinary Clinic Sheep: 1, Goat: 1 Humansdorp, Humansdorp Veterinary Clinic Sheep: 2 Middelburg (EC), Steynsburg Dierehospitaal Sheep: 2 Queenstown, Queenstown Veterinary Clinic Sheep: 2 Western Cape
Sheep: 1, Goat: 1 Mtubatuba, Mtubatuba Animal Clinic Beef: 2, Goat: 2 Pietermaritzburg, Richmond Veterinay Clinic Sheep: 2 Eastern Cape Graaff-Reinet, Camdeboo Veterinary Clinic Sheep: 1, Goat: 1 Humansdorp, Humansdorp Veterinary Clinic Sheep: 2 Middelburg (EC), Steynsburg Dierehospitaal Sheep: 2 Queenstown, Queenstown Veterinary clinic Sheep: 2 Western Cape Beaufort West, Beaufort West State Vet
Sheep: 1, Goat: 1 Mtubatuba, Mtubatuba Animal Clinic Beef: 2, Goat: 2 Pietermaritzburg, Richmond Veterinay Clinic Sheep: 2 Eastern Cape Graaff-Reinet, Camdeboo Veterinary Clinic Sheep: 1, Goat: 1 Humansdorp, Humansdorp Veterinary Clinic Sheep: 2 Middelburg (EC), Steynsburg Dierehospitaal Sheep: 2 Queenstown, Queenstown Veterinary clinic Sheep: 2 Western Cape Beaufort West, Beaufort West State Vet Sheep: 2
Sheep: 1, Goat: 1 Mtubatuba, Mtubatuba Animal Clinic Beef: 2, Goat: 2 Pietermaritzburg, Richmond Veterinay Clinic Sheep: 2 Eastern Cape Graaff-Reinet, Camdeboo Veterinary Clinic Sheep: 1, Goat: 1 Humansdorp, Humansdorp Veterinary Clinic Sheep: 2 Middelburg (EC), Steynsburg Dierehospitaal Sheep: 2 Queenstown, Queenstown Veterinary clinic Sheep: 2 Western Cape Beaufort West, Beaufort West State Vet

		0	George, Ge	eorae Ai	nimal H	lospital						
				, Sheep:								
		Steller				mal Hospita	al					
			<u> </u>	Sheep:	2							
		Swell	endam, Sv	wellend	am Die	rehospitaal						
				Beef:	1							
		Resi	stant Ro	ound V	Vorms	;			^			
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape			
Average		2.0 (1)			2.0 (3)		1.0 (1)	1.0 (1)				
Level of imp	Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported											
Sheep		2.0 (1)			2.0 (3)			1.0 (1)				
Goat							1.0 (1)					
				Gaute	na		. ,					
		Pretoria	a, Anima V			sulting Roo	ms					
			,	Sheep:		<u> </u>						
				Free St								
	Clocolan, Clocolan Dierekliniek											
Sheep: 2												
Hoopstad, Hoopstad Dierekliniek												
Sheep: 3												
Villiers, Wilgepoort Dierekliniek Vennootskap												
Sheep: 1 Eastern Cape												
		Graaff			_	erinary Clini	<u> </u>					
		Graari	Remey C	Goat:		annary Cinn						
			W	estern								
		(George, Ge			lospital						
				Sheep:								
			Wirev	worm					^			
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape			
Average	2.0 (2)				1.7 (6)	1.7 (3)						
Level of imp	ortance scale: 1	= one cas	e, 2 = more	e than or reporte		but less than	ten and 3	= more tha	an 10 cases			
Sheep	2.0 (1)				1.7 (6)	2.0 (1)						
Goat	2.0 (1)					1.5 (2)						
			M	1pumala	anga							
		G	Grootvlei, (-		ekliniek						
			•	Sheep:								
		Ne	Ispruit, Ne			Hospital						
				Goat:								
				Free St								
			Clocolan, (kliniek						
				Sheep:	2							

Average Limpopo West State Natal Cape Cape 3.0 (1) Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 1 reported										
Frankfort, Frankfort Dierekliniek Sheep: 2 Hoopstad, Hoopstad Dierekliniek Sheep: 2 Reitz, Riemland Dierekliniek Sheep: 2 Reitz, Riemland Dierekliniek Sheep: 2 Villiers, Wilgepoort Dierekliniek Vennootskap Sheep: 1 Kwazulu-Natal Estcourt, Estcourt Vet Clinic Goat: 2 Kokstad, E.G.Veterinary Services Sheep: 2 Mooi River, Mooirivier Vet Clinic Goat: 1 Brown stomach-worm PROVINCE Mpumalanga Gauteng Limpopo North Free West State Kwazulu-Cape Cape Average Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 11 reported										
Sheep: 2 Hoopstad, Hoopstad Dierekliniek Sheep: 2 Reitz, Riemland Dierekliniek Sheep: 2 Villiers, Wilgepoort Dierekliniek Vennootskap Sheep: 1 Kwazulu-Natal Estcourt, Estcourt Vet Clinic Goat: 2 Kokstad, E.G.Veterinary Services Sheep: 2 Mooi River, Mooirivier Vet Clinic Goat: 1 Brown stomach-worm PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu-Natal Eastern Cape 3.0 (1) Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 1 reported										
Sheep: 2 Reitz, Riemland Dierekliniek Sheep: 2 Villiers, Wilgepoort Dierekliniek Vennootskap Sheep: 1 Kwazulu-Natal Estcourt, Estcourt Vet Clinic Goat: 2 Kokstad, E.G.Veterinary Services Sheep: 2 Mooi River, Mooirivier Vet Clinic Goat: 1 Brown stomach-worm PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu-Natal Cape Average Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 1 reported										
Sheep: 2 Reitz, Riemland Dierekliniek Sheep: 2 Villiers, Wilgepoort Dierekliniek Vennootskap Sheep: 1 Kwazulu-Natal Estcourt, Estcourt Vet Clinic Goat: 2 Kokstad, E.G.Veterinary Services Sheep: 2 Mooi River, Mooirivier Vet Clinic Goat: 1 Brown stomach-worm PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu-Cape Cape Average Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 1 in reported	^									
Sheep: 2 Villiers, Wilgepoort Dierekliniek Vennootskap Sheep: 1 Kwazulu-Natal Estcourt, Estcourt Vet Clinic Goat: 2 Kokstad, E.G.Veterinary Services Sheep: 2 Mooi River, Mooirivier Vet Clinic Goat: 1 Brown stomach-worm PROVINCE Mpumalanga Gauteng Limpopo North West State Natal Cape Cape Average Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 16 reported										
Villiers, Wilgepoort Dierekliniek Vennootskap Sheep: 1 Kwazulu-Natal Estcourt, Estcourt Vet Clinic Goat: 2 Kokstad, E.G.Veterinary Services Sheep: 2 Mooi River, Mooirivier Vet Clinic Goat: 1 Brown stomach-worm PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu-Natal Cape Cape Average Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 14 reported	^									
Sheep: 1 Kwazulu-Natal Estcourt, Estcourt Vet Clinic Goat: 2 Kokstad, E.G.Veterinary Services Sheep: 2 Mooi River, Mooirivier Vet Clinic Goat: 1 Brown stomach-worm PROVINCE Mpumalanga Gauteng Limpopo North West State Natal Cape Cape Average Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 1 in reported	^									
Estcourt, Estcourt Vet Clinic	^									
Estcourt, Estcourt Vet Clinic Goat: 2 Kokstad, E.G.Veterinary Services Sheep: 2 Mooi River, Mooirivier Vet Clinic Goat: 1 Brown stomach-worm PROVINCE Mpumalanga Gauteng Limpopo North West State Wazulu-Natal Cape Cape Average Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 1 reported	^									
Kokstad, E.G.Veterinary Services Sheep: 2 Mooi River, Mooirivier Vet Clinic Goat: 1 Brown stomach-worm PROVINCE Mpumalanga Gauteng Limpopo North West State Natal Average Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 16 reported	^									
Kokstad, E.G.Veterinary Services Sheep: 2 Mooi River, Mooirivier Vet Clinic Goat: 1 Brown stomach-worm PROVINCE Mpumalanga Gauteng Limpopo North West State Natal Cape Cape Average Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 16 reported	^									
Sheep: 2 Mooi River, Mooirivier Vet Clinic Goat: 1 Brown stomach-worm PROVINCE Mpumalanga Gauteng Limpopo North West State Natal Cape Cape Average Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 16 reported	_									
Mooi River, Mooirivier Vet Clinic Goat: 1 Brown stomach-worm PROVINCE Mpumalanga Gauteng Limpopo North West State Natal Cape 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 16 reported	^									
PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu- Cape Cape North Cape State Natal State Natal State Natal State Natal Cape North Cape North Cape North Cape North Cape North Natal State	^									
PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu- Cape Cape Average Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 16 reported	^									
PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu- Rastern Cape State Notate State State Notate State Stat	^									
Average Limpopo West State Natal Cape Cape 3.0 (1) Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 1 reported										
Average Limpopo West State Natal Cape Cape 3.0 (1) Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 1 reported	orthern									
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 reported	Cape									
reported										
<u></u>	Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases									
<u> </u>										
Goat 3.0 (1)										
Eastern Cape										
Graaff-Reinet, Camdeboo Veterinary Clinic										
Goat: 3										
Swelsiekte										
Nodular worm	^									
PROVINCE Mnumalanda Gautend Limnono	orthern 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 $1 = $ reported	10 cases									
Sheep 2.0 (1)										
Eastern Cape										
Middelburg (EC), Steynsburg Dierehospitaal										
Sheep: 2										
Tape Worms										
	^									
PROVINCE Mnumalanga Gauteng Limnono	orthern Cape									

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

Beef		1.0 (1) 1.0 (1) 1.3 (3)		
Sheep	2.0 (1)	1.8 (8)	1.0 (1)	2.0 (1)
Goat				3.0 (1)

Mpumalanga Standerton, Econovet

Sheep: 2

Limpopo

Mokopane, Dr Henk Visser

Beef: 1

North West

Klerksdorp, Klerksdorp Dierehospitaal

Beef: 1

Free State

Bethlehem, Bethlehem Animal Hospital

Sheep: 1

Bultfontein, Greylingsrust Dierespreekkamer

Beef: 1

Clocolan, Clocolan Dierekliniek

Sheep: 2

Frankfort, Frankfort Dierekliniek

Sheep: 2

Harrismith, Harrismith Dierehospitaal

Beef: 1, Sheep: 1

Hoopstad, Hoopstad Dierekliniek

Sheep: 3

Memel, Memel Veterinary Clinic

Beef: 2

Reitz, Riemland Dierekliniek

Sheep: 2

Viljoenskroon, Viljoenskroon Dierekliniek

Sheep: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Sheep: 1

Kwazulu-Natal

Mooi River, Mooirivier Vet Clinic

Sheep: 1

Western Cape

Beaufort West, Beaufort West State Vet

Sheep: 2

George, George Animal Hospital

Goat: 3

Liver fluke										
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average	2.5 (2)	1.0 (1)	1.0 (1)		1.9 (10)	1.4 (5)		1.0 (2)	J	

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

reported												
	0.5 (0)	4.0.(4)	4.0 (4)	· ·		4.0.(0)		4.0.(0)				
Beef	2.5 (2)	1.0 (1)	1.0 (1)		2.1 (7)			1.0 (2)				
Dairy						1.5 (2)						
Sheep					1.3 (3)	2.0 (1)						
				1pumala								
			Bethal,			niek						
				Beef:								
	Standerton, Econovet Beef: 3											
Gauteng Bronkhorstspruit, Kerkstraat Dierekliniek												
Bronkhorstspruit, Kerkstraat Dierekliniek												
Beef: 1 Limpopo												
			Mokopa			ccar						
			нокора	Beef:		3 3 C1						
				200								
	Free State Frankfort, Frankfort Dierekliniek											
		•	· animor cy	Beef:								
		Har	rismith, H			hospitaal						
				Beef:								
		Ladybra	nd, Ladyb	rand / I	Excelsion	or Diereklin	iek					
				Beef:								
			Memel, Me	mel Ve	terinary	/ Clinic						
			·	Beef:	3							
			Reitz, Ric	emland	Dierekl	iniek						
			Ве	ef: 2, Sh	eep: 1							
		Villiers,	Wilgepoo	rt Diere	kliniek	Vennootsk	ар					
			Ве	ef: 2, Sh	eep: 2							
			Vrede, V	rede Die	erehosp	itaal						
				ef: 1, Sh								
				wazulu-								
			Estcourt	, Estcou	rt Vet (Clinic						
				Dairy:								
		K	okstad, E.									
				, Dairy:								
		ı	Mooi River	-		t Clinic						
				Beef:								
				lestern	-	- d						
			Ouats	hoorn, Beef:		eu						
		Stelle	hoech St			mal Hospita	al					
		Steller	الدرون المحدد المحدد	Beef:		mai Hospila	41					
			Conical	Fluke	S				^			
DDOVINGE	Mnumalana	Courters	Limmons	North	Free	Kwazulu-	Eastern	Western	Northern			
PROVINCE	Mpumalanga	dauteng	Limpopo	West	State	Natal	Cape	Cape	Cape			
Avorage	2.0.(2)				1 9 (4)	2 0 (2)	1 2 (2)	2 0 (2)				
Average	2.0 (2)				1.8 (4)	2.0 (3)	1.3 (3)	2.0 (2)				
Level of imp	ortance scale: 1	= one cas	e, 2 = more	e than or reporte		but less than	ten and 3	= more tha	n 10 cases			

2.0 (2)

Beef

2.0 (3) 2.0 (3) 1.0 (2) 3.0 (1)

Dairy					1.0 (1)			1.0 (1)	
Sheep							2.0 (1)		
			M	Ipumala	anga				
			Balfour, I	-		iniek			
			•	Beef:					
			Stand	erton, l	Econov	et			
				Beef:					
				Free St	ate				
		F	rankfort, I	Frankfo	rt Diere	ekliniek			
				Beef:					
		Har	rismith, Ha	arrismit	h Diere	hospitaal			
			,	Beef:					
		Villiers,	Wilgepoo	rt Diere	kliniek	Vennootsk	ар		
				Beef:			•		
			Vrede, Vi	rede Die	erehosi	itaal			
			,	Dairy:					
			Kv	vazulu-					
		K	okstad, E.			ervices			
			, -	Beef:					
		Pietern	naritzburg			terinay Clir	nic		
				Beef:		y •m	-		
		Under	bera. Und			ary Surger	v		
		0	Je. 9, e	Beef:		ary cargo.	,		
			E	astern (
		Graaff-l				erinary Cli	nic		
		- Ciuuii	tomot, on	Beef:		.c.many cm			
		Middel	bura (EC),			ierehospita	al		
			g (- c),	Beef:		о опоор на			
		Stutte	rheim. Stu			rinary Clini	ic		
		51010	, 500	Sheep:		· · · · · · · · · · · · · · · · · · ·			
			W	estern					
			Darling, I			liniek			
			_ ug, -	Dairy:					
			Malmest			riek			
				Beef:					
			Cystice	ercosis					^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North		Kwazulu-		Western	
			popo	West	State	Natal	Cape	Cape	Cape
								ı	
Average	2.0 (2)	1.5 (2)			1.0 (1)	3.0 (1)			
									10
Level of imp	ortance scale: 1	= one cas	e, 2 = more			but less than	ten and 3	= more tha	in 10 cases
				reporte					
Beef	2.0 (2)	1.5 (2)			1.0 (1)	3.0 (1)			
			M	Ipumala	anga				
		Midd		-		ehospitaal			
				Beef:					
		Ne	Ispruit, Ne	Ispruit	Animal	Hospital			
				Beef:					
			Abat	ttoir insp	ections				
				Gaute					
		Baps	fontein, Ba	apsfont	ein Die	rehospitaal			

Beef: 2												
Bronkhorstspruit, Kerkstraat Dierekliniek												
Beef: 1												
Free State Bultfontein, Greylingsrust Dierespreekkamer												
Bultfontein, Greylingsrust Dierespreekkamer Beef: 1												
Kwazulu-Natal												
Pietermaritzburg, Richmond Veterinay Clinic												
Beef: 3												
Other												
PROVINCE	PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu- Eastern Cape Northe Cape Cape											
Average 1.0 (1)												
Level of imp	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)											
			M	1pumala	anga							
		Ne	Ispruit, Ne	_		Hospital						
				Beef:								
	9	Shistosomia	asis (bilharzi	a) in Be	ef cattle	: bloody diari	rhoea.					
			Exter	nal Pa	arasit	es						
External Parasites Blue ticks												
			Blue	ticks					^			
PROVINCE	Mpumalanga	Gauteng		ticks North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape			
PROVINCE Average	Mpumalanga 2.0 (6)	Gauteng 1.0 (1)		North								
Average		1.0 (1)	Limpopo 2.0 (2)	North West	2.4 (11) ne case	Natal 2.1 (10)	Cape 2.0 (4)	Cape 2.0 (4)	Cape			
Average	2.0 (6)	1.0 (1)	Limpopo 2.0 (2) se, 2 = more	North West 3.0 (1) e than or reporte	State 2.4 (11) ne case ed	Natal 2.1 (10)	Cape 2.0 (4)	Cape 2.0 (4)	Cape			
Average Level of imp	2.0 (6) Portance scale: 1	1.0 (1)	Limpopo 2.0 (2) se, 2 = more	North West 3.0 (1) e than or reporte	2.4 (11) ne case ed 2.3 (9)	Natal 2.1 (10) but less than	2.0 (4) ten and 3	2.0 (4) = more that	Саре			
Average Level of imp	2.0 (6) portance scale: 1 2.0 (5)	1.0 (1)	Limpopo 2.0 (2) se, 2 = more	North West 3.0 (1) e than or reporte	2.4 (11) ne case ed 2.3 (9)	Natal 2.1 (10) but less than 2.0 (9) 3.0 (1)	2.0 (4) ten and 3	2.0 (4) = more that 2.0 (2)	Cape			
Average Level of imp Beef Dairy	2.0 (6) portance scale: 1 2.0 (5)	1.0 (1)	2.0 (2) ee, 2 = more 2.0 (2)	North West 3.0 (1) e than or reporte 3.0 (1)	2.4 (11) ne case ed 2.3 (9) 2.0 (1) 3.0 (1) anga	Natal 2.1 (10) but less than 2.0 (9) 3.0 (1)	2.0 (4) ten and 3	2.0 (4) = more that 2.0 (2) 2.0 (1)	Cape			
Average Level of imp Beef Dairy	2.0 (6) portance scale: 1 2.0 (5)	1.0 (1)	2.0 (2) e, 2 = more 2.0 (2)	North West 3.0 (1) e than or reporte 3.0 (1)	2.4 (11) ne case ed 2.3 (9) 2.0 (1) 3.0 (1) anga Dierek	Natal 2.1 (10) but less than 2.0 (9) 3.0 (1)	2.0 (4) ten and 3	2.0 (4) = more that 2.0 (2) 2.0 (1)	Cape			
Average Level of imp Beef Dairy	2.0 (6) portance scale: 1 2.0 (5)	1.0 (1) = one cas 1.0 (1)	2.0 (2) se, 2 = more 2.0 (2) Market Balfour, I	North West 3.0 (1) than or reporte 3.0 (1) fpumala Balfour Beef:	2.4 (11) the case ed 2.3 (9) 2.0 (1) 3.0 (1) anga Dierek 2	Natal 2.1 (10) but less than 2.0 (9) 3.0 (1)	2.0 (4) ten and 3 2.0 (4)	2.0 (4) = more that 2.0 (2) 2.0 (1)	Cape			
Average Level of imp Beef Dairy	2.0 (6) portance scale: 1 2.0 (5)	1.0 (1) = one cas 1.0 (1)	2.0 (2) se, 2 = more 2.0 (2) Market Balfour, I	North West 3.0 (1) than or reporte 3.0 (1) fpumala Balfour Beef: enburg	2.4 (11) The case ed 2.3 (9) 2.0 (1) 3.0 (1) anga Dierek 2 Dieres	Natal 2.1 (10) but less than 2.0 (9) 3.0 (1)	2.0 (4) ten and 3 2.0 (4)	2.0 (4) = more that 2.0 (2) 2.0 (1)	Cape			
Average Level of imp Beef Dairy	2.0 (6) portance scale: 1 2.0 (5)	1.0 (1) = one cas 1.0 (1) Lyder	Limpopo 2.0 (2) e, 2 = more 2.0 (2) Market Balfour, I	North West 3.0 (1) e than or reporte 3.0 (1) Ipumala Balfour Beef: enburg Beef:	2.4 (11) ne case ed 2.3 (9) 2.0 (1) 3.0 (1) anga Dierek 2 Dieres 1	Natal 2.1 (10) but less than 2.0 (9) 3.0 (1)	2.0 (4) ten and 3 2.0 (4)	2.0 (4) = more that 2.0 (2) 2.0 (1)	Cape			
Average Level of imp Beef Dairy	2.0 (6) portance scale: 1 2.0 (5)	1.0 (1) = one cas 1.0 (1) Lyder	Limpopo 2.0 (2) e, 2 = more 2.0 (2) M Balfour, I hburg, Lydelelburg , M	North West 3.0 (1) than or reporte 3.0 (1) Ipumala Balfour Beef: enburg Beef: liddelbu Beef:	2.4 (11) ne case ed 2.3 (9) 2.0 (1) 3.0 (1) anga Dierek 2 Dieres 1 urg Dieres 2	Natal 2.1 (10) but less than 2.0 (9) 3.0 (1) liniek preekkamer	2.0 (4) ten and 3 2.0 (4)	2.0 (4) = more that 2.0 (2) 2.0 (1)	Cape			
Average Level of imp Beef Dairy	2.0 (6) portance scale: 1 2.0 (5)	1.0 (1) = one cas 1.0 (1) Lyder	Limpopo 2.0 (2) e, 2 = more 2.0 (2) Market Balfour, Inburg, Lydelelburg, Market Balfour, Market Balfour, New York Balfourg, Market Balfour	North West 3.0 (1) than or reporte 3.0 (1) fpumala Balfour Beef: enburg Beef: liddelbu Beef:	2.4 (11) ne case ed 2.3 (9) 2.0 (1) 3.0 (1) anga Dierek 2 Dieres 1 urg Diere 2 Animal	Natal 2.1 (10) but less than 2.0 (9) 3.0 (1) liniek preekkamer	2.0 (4) ten and 3 2.0 (4)	2.0 (4) = more that 2.0 (2) 2.0 (1)	Cape			
Average Level of imp Beef Dairy	2.0 (6) portance scale: 1 2.0 (5)	1.0 (1) = one cas 1.0 (1) Lyder	Limpopo 2.0 (2) e, 2 = more 2.0 (2) Market Selspruit, New Selspruit, New Selspruit, New Selspruit	North West 3.0 (1) that that or reporte 3.0 (1) Ipumala Balfour Beef: enburg Beef: liddelbu Beef: elspruit bef: 3, Da	2.4 (11) The case ed 2.3 (9) 2.0 (1) 3.0 (1) 3.0 (1) anga Dierek 2 Dieres 1 urg Dier 2 Animal airy: 2	Natal 2.1 (10) but less than 2.0 (9) 3.0 (1) liniek preekkamer rehospitaal	2.0 (4) ten and 3 2.0 (4)	2.0 (4) = more that 2.0 (2) 2.0 (1)	Cape			
Average Level of imp Beef Dairy	2.0 (6) portance scale: 1 2.0 (5)	1.0 (1) = one cas 1.0 (1) Lyder	Limpopo 2.0 (2) e, 2 = more 2.0 (2) Market Selspruit, New Selspruit, New Selspruit, New Selspruit	North West 3.0 (1) than or reporte 3.0 (1) fpumala Balfour Beef: enburg Beef: liddelbu Beef:	2.4 (11) The case ed 2.3 (9) 2.0 (1) 3.0 (1) anga Dierek 2 Dieres 1 urg Dier 2 Animal airy: 2 Econove	Natal 2.1 (10) but less than 2.0 (9) 3.0 (1) liniek preekkamer rehospitaal	2.0 (4) ten and 3 2.0 (4)	2.0 (4) = more that 2.0 (2) 2.0 (1)	Cape			
Average Level of imp Beef Dairy	2.0 (6) portance scale: 1 2.0 (5)	1.0 (1) = one cas 1.0 (1) Lyder	Limpopo 2.0 (2) e, 2 = more 2.0 (2) Market Selspruit, New Selspruit, New Selspruit, New Selspruit	North West 3.0 (1) e than or reporte 3.0 (1) Ipumala Balfour Beef: enburg Beef: liddelbu Beef: elspruit ef: 3, Dalerton, I	2.4 (11) The case ed 2.3 (9) 2.0 (1) 3.0 (1) 3.0 (1) 3.0 Dierek 2 Dieres 1 urg Diere 2 Animal airy: 2 Econove 2	Natal 2.1 (10) but less than 2.0 (9) 3.0 (1) liniek preekkamer rehospitaal	2.0 (4) ten and 3 2.0 (4)	2.0 (4) = more that 2.0 (2) 2.0 (1)	Cape			
Average Level of imp Beef Dairy	2.0 (6) portance scale: 1 2.0 (5)	1.0 (1) = one cas 1.0 (1) Lyder Midd	Limpopo 2.0 (2) e, 2 = more 2.0 (2) Market Stand	North West 3.0 (1) than or reporte 3.0 (1) fpumala Balfour Beef: enburg Beef: liddelbu Beef: elspruit ef: 3, Dalerton, I Beef: Gaute	2.4 (11) ne case ed 2.3 (9) 2.0 (1) 3.0 (1) anga Dierek 2 Dieres 1 urg Dier 2 Animal airy: 2 Econov 2 ng pital ai	Natal 2.1 (10) but less than 2.0 (9) 3.0 (1) liniek preekkamer rehospitaal Hospital et	Cape 2.0 (4) ten and 3 2.0 (4)	Cape 2.0 (4) = more that 2.0 (2) 2.0 (1) 2.0 (1)	Cape			

Limpopo
Bela-Bela, Warmbad Dierekliniek
Beef: 2
Mokopane, Dr Henk Visser
Beef: 2
North West
Leeudoringstad, Leeudoringstad Dierekliniek
Beef: 3
Free State
Bethlehem, Bethlehem Animal Hospital
Beef: 1
Frankfort, Frankfort Dierekliniek
Beef: 3
Harrismith, Harrismith Dierehospitaal
Beef: 3
Hoopstad, Hoopstad Dierekliniek
Beef: 3, Sheep: 3
Kroonstad, Kroonstad Dierehospitaal
Beef: 2
Memel, Memel Veterinary Clinic
Beef: 2
Viljoenskroon, Viljoenskroon Dierekliniek
Beef: 2
Villiers, Wilgepoort Dierekliniek Vennootskap
Beef: 3
Vrede, Vrede Dierehospitaal
Beef: 2, Dairy: 2
Kwazulu-Natal
Bergville, Bergville Veterinary Clinic Beef: 2
Bergville, Bergville Veterinary Clinic Beef: 2
Bergville, Bergville Veterinary Clinic
Bergville, Bergville Veterinary Clinic Beef: 2 Bergville, Tugela Vet Clinic Beef: 1
Bergville, Bergville Veterinary Clinic Beef: 2 Bergville, Tugela Vet Clinic
Bergville, Bergville Veterinary Clinic Beef: 2 Bergville, Tugela Vet Clinic Beef: 1 Kokstad, E.G.Veterinary Services Beef: 2
Bergville, Bergville Veterinary Clinic Beef: 2 Bergville, Tugela Vet Clinic Beef: 1 Kokstad, E.G.Veterinary Services Beef: 2 Mooi River, Mooirivier Vet Clinic
Bergville, Bergville Veterinary Clinic Beef: 2 Bergville, Tugela Vet Clinic Beef: 1 Kokstad, E.G.Veterinary Services Beef: 2 Mooi River, Mooirivier Vet Clinic Beef: 3, Dairy: 3
Bergville, Bergville Veterinary Clinic Beef: 2 Bergville, Tugela Vet Clinic Beef: 1 Kokstad, E.G.Veterinary Services Beef: 2 Mooi River, Mooirivier Vet Clinic Beef: 3, Dairy: 3 Mtubatuba, Mtubatuba Animal Clinic
Bergville, Bergville Veterinary Clinic Beef: 2 Bergville, Tugela Vet Clinic Beef: 1 Kokstad, E.G.Veterinary Services Beef: 2 Mooi River, Mooirivier Vet Clinic Beef: 3, Dairy: 3 Mtubatuba, Mtubatuba Animal Clinic Beef: 2
Bergville, Bergville Veterinary Clinic Beef: 2 Bergville, Tugela Vet Clinic Beef: 1 Kokstad, E.G.Veterinary Services Beef: 2 Mooi River, Mooirivier Vet Clinic Beef: 3, Dairy: 3 Mtubatuba, Mtubatuba Animal Clinic
Bergville, Bergville Veterinary Clinic Beef: 2 Bergville, Tugela Vet Clinic Beef: 1 Kokstad, E.G.Veterinary Services Beef: 2 Mooi River, Mooirivier Vet Clinic Beef: 3, Dairy: 3 Mtubatuba, Mtubatuba Animal Clinic Beef: 2 Newcastle, Ncanduvet Newcastle Beef: 3
Bergville, Bergville Veterinary Clinic Beef: 2 Bergville, Tugela Vet Clinic Beef: 1 Kokstad, E.G.Veterinary Services Beef: 2 Mooi River, Mooirivier Vet Clinic Beef: 3, Dairy: 3 Mtubatuba, Mtubatuba Animal Clinic Beef: 2 Newcastle, Ncanduvet Newcastle Beef: 3 Pietermaritzburg, Richmond Veterinay Clinic
Bergville, Bergville Veterinary Clinic Beef: 2 Bergville, Tugela Vet Clinic Beef: 1 Kokstad, E.G.Veterinary Services Beef: 2 Mooi River, Mooirivier Vet Clinic Beef: 3, Dairy: 3 Mtubatuba, Mtubatuba Animal Clinic Beef: 2 Newcastle, Ncanduvet Newcastle Beef: 3 Pietermaritzburg, Richmond Veterinay Clinic Beef: 3
Bergville, Bergville Veterinary Clinic Beef: 2 Bergville, Tugela Vet Clinic Beef: 1 Kokstad, E.G.Veterinary Services Beef: 2 Mooi River, Mooirivier Vet Clinic Beef: 3, Dairy: 3 Mtubatuba, Mtubatuba Animal Clinic Beef: 2 Newcastle, Ncanduvet Newcastle Beef: 3 Pietermaritzburg, Richmond Veterinay Clinic Beef: 3 Perennial problem
Bergville, Bergville Veterinary Clinic Beef: 2 Bergville, Tugela Vet Clinic Beef: 1 Kokstad, E.G.Veterinary Services Beef: 2 Mooi River, Mooirivier Vet Clinic Beef: 3, Dairy: 3 Mtubatuba, Mtubatuba Animal Clinic Beef: 2 Newcastle, Ncanduvet Newcastle Beef: 3 Pietermaritzburg, Richmond Veterinay Clinic Beef: 3 Perennial problem Pongola, Pongola Animal Clinic
Bergville, Bergville Veterinary Clinic Beef: 2 Bergville, Tugela Vet Clinic Beef: 1 Kokstad, E.G.Veterinary Services Beef: 2 Mooi River, Mooirivier Vet Clinic Beef: 3, Dairy: 3 Mtubatuba, Mtubatuba Animal Clinic Beef: 2 Newcastle, Ncanduvet Newcastle Beef: 3 Pietermaritzburg, Richmond Veterinay Clinic Beef: 3 Perennial problem Pongola, Pongola Animal Clinic Beef: 1
Bergville, Bergville Veterinary Clinic Beef: 2 Bergville, Tugela Vet Clinic Beef: 1 Kokstad, E.G.Veterinary Services Beef: 2 Mooi River, Mooirivier Vet Clinic Beef: 3, Dairy: 3 Mtubatuba, Mtubatuba Animal Clinic Beef: 2 Newcastle, Ncanduvet Newcastle Beef: 3 Pietermaritzburg, Richmond Veterinay Clinic Beef: 3 Perennial problem Pongola, Pongola Animal Clinic Beef: 1 Underberg, Underberg Veterinary Surgery
Bergville, Bergville Veterinary Clinic Beef: 2 Bergville, Tugela Vet Clinic Beef: 1 Kokstad, E.G.Veterinary Services Beef: 2 Mooi River, Mooirivier Vet Clinic Beef: 3, Dairy: 3 Mtubatuba, Mtubatuba Animal Clinic Beef: 2 Newcastle, Ncanduvet Newcastle Beef: 3 Pietermaritzburg, Richmond Veterinay Clinic Beef: 3 Perennial problem Pongola, Pongola Animal Clinic Beef: 1 Underberg, Underberg Veterinary Surgery Beef: 1
Bergville, Bergville Veterinary Clinic Beef: 2 Bergville, Tugela Vet Clinic Beef: 1 Kokstad, E.G.Veterinary Services Beef: 2 Mooi River, Mooirivier Vet Clinic Beef: 3, Dairy: 3 Mtubatuba, Mtubatuba Animal Clinic Beef: 2 Newcastle, Ncanduvet Newcastle Beef: 3 Pietermaritzburg, Richmond Veterinay Clinic Beef: 3 Perennial problem Pongola, Pongola Animal Clinic Beef: 1 Underberg, Underberg Veterinary Surgery Beef: 1 Eastern Cape
Bergville, Bergville Veterinary Clinic Beef: 2 Bergville, Tugela Vet Clinic Beef: 1 Kokstad, E.G.Veterinary Services Beef: 2 Mooi River, Mooirivier Vet Clinic Beef: 3, Dairy: 3 Mtubatuba, Mtubatuba Animal Clinic Beef: 2 Newcastle, Ncanduvet Newcastle Beef: 3 Pietermaritzburg, Richmond Veterinay Clinic Beef: 3 Perennial problem Pongola, Pongola Animal Clinic Beef: 1 Underberg, Underberg Veterinary Surgery Beef: 1 Eastern Cape Alexandria, Dr Thys (MJ) Potgieter
Bergville, Bergville Veterinary Clinic Beef: 2 Bergville, Tugela Vet Clinic Beef: 1 Kokstad, E.G.Veterinary Services Beef: 2 Mooi River, Mooirivier Vet Clinic Beef: 3, Dairy: 3 Mtubatuba, Mtubatuba Animal Clinic Beef: 2 Newcastle, Ncanduvet Newcastle Beef: 3 Pietermaritzburg, Richmond Veterinay Clinic Beef: 3 Perennial problem Pongola, Pongola Animal Clinic Beef: 1 Underberg, Underberg Veterinary Surgery Beef: 1 Eastern Cape Alexandria, Dr Thys (MJ) Potgieter Beef: 3
Bergville, Bergville Veterinary Clinic Beef: 2 Bergville, Tugela Vet Clinic Beef: 1 Kokstad, E.G.Veterinary Services Beef: 2 Mooi River, Mooirivier Vet Clinic Beef: 3, Dairy: 3 Mtubatuba, Mtubatuba Animal Clinic Beef: 2 Newcastle, Ncanduvet Newcastle Beef: 3 Pietermaritzburg, Richmond Veterinay Clinic Beef: 3 Perennial problem Pongola, Pongola Animal Clinic Beef: 1 Underberg, Underberg Veterinary Surgery Beef: 1 Eastern Cape Alexandria, Dr Thys (MJ) Potgieter Beef: 3 Aliwal North, Uitspan C Troskie
Bergville, Bergville Veterinary Clinic Beef: 2 Bergville, Tugela Vet Clinic Beef: 1 Kokstad, E.G.Veterinary Services Beef: 2 Mooi River, Mooirivier Vet Clinic Beef: 3, Dairy: 3 Mtubatuba, Mtubatuba Animal Clinic Beef: 2 Newcastle, Ncanduvet Newcastle Beef: 3 Pietermaritzburg, Richmond Veterinay Clinic Beef: 3 Perennial problem Pongola, Pongola Animal Clinic Beef: 1 Underberg, Underberg Veterinary Surgery Beef: 1 Eastern Cape Alexandria, Dr Thys (MJ) Potgieter Beef: 3 Aliwal North, Uitspan C Troskie Beef: 2
Bergville, Bergville Veterinary Clinic Beef: 2 Bergville, Tugela Vet Clinic Beef: 1 Kokstad, E.G.Veterinary Services Beef: 2 Mooi River, Mooirivier Vet Clinic Beef: 3, Dairy: 3 Mtubatuba, Mtubatuba Animal Clinic Beef: 2 Newcastle, Ncanduvet Newcastle Beef: 3 Pietermaritzburg, Richmond Veterinay Clinic Beef: 3 Perennial problem Pongola, Pongola Animal Clinic Beef: 1 Underberg, Underberg Veterinary Surgery Beef: 1 Eastern Cape Alexandria, Dr Thys (MJ) Potgieter Beef: 3 Aliwal North, Uitspan C Troskie

Oue and source Oue and source Valoring and alimin												
Queenstown, Queenstown Veterinary clinic Beef: 1												
			W	/estern								
		Cale	edon, Over	berg Ve	terina	ry Hospital						
	Beef: 2, Dairy: 2, Sheep: 2											
George, George Animal Hospital Beef: 2												
Resistant blue Ticks												
PROVINCE Mpumalanga Gauteng Limpopo West State Kwazulu- Eastern Cape Cape Cape												
Average 3.0 (1) 2.5 (2)												
Level of imp	Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported											
Beef					3.0 (1)	2.5 (2)						
				Free St	ate							
		Villiers,	Wilgepoo			Vennootsk	ар					
				Beef:								
		D.	===	wazulu-		anı Clinia						
		Вe	rgville, Be	rgville v Beef:		ary Clinic						
		Pieterr	naritzburg			terinay Clir	nic					
		I ICCCII	nancebang	Beef:		cermay em						
		Hea	rtwater	(Bont)) ticks				^			
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape			
Average	1.5 (2)	2.0 (1)	1.2 (5)			1.5 (6)	3.0 (1)					
Level of imp	oortance scale: 1	= one cas	se, 2 = more	e than or reporte		but less than	ten and 3	= more tha	an 10 cases			
Beef	1.5 (2)		1.5 (2)			1.7 (3)	3.0 (1)					
Sheep		2.0 (1)	1.0 (2)			1.0 (1)						
Goat			1.0 (1)			1.5 (2)						
			M	1pumala	anga							
		Lyder	nburg, Lyd			preekkame	r					
				Beef:								
		Ne	Ispruit, Ne			Hospital						
				Beef: Gaute								
		Pretoria	a, Anima V		_	sulting Roo	ms					
			,	Sheep:								
				Limpo								
		В	ela-Bela, \			ekliniek						
				Beef:								
Ellisras, Ellisras Dierekliniek												
Sheep: 1 Mokopane, Dr Henk Visser												
			Makana			iccor						
					lenk Vi							

Margarilla Nahal												
Kwazulu-Natal												
Bergville, Bergville Veterinary Clinic Beef: 2												
		M+	ibatuba N			mal Clinic						
		MIC	ubatuba, N	eef: 2, G		nai Cillic						
	Pongola, Pongola Animal Clinic											
Beef: 1, Sheep: 1, Goat: 1												
Eastern Cape												
Alexandria, Dr Thys (MJ) Potgieter												
Beef: 3												
Brown ear-ticks												
	North Free Kwazulu- Eastern Western North											
PROVINCE	Mpumalanga	Gauteng	Limpopo		State	Natal	Cape	Cape	Cape			
Average	1.0 (1)	2.0 (1)	1.0 (1)		1.5 (2)	1.5 (2)						
Level of imp	ortance scale: 1	= one cas	e, 2 = more	e than or	ne case	but less than	ten and 3	= more tha	n 10 cases			
				reporte								
Beef	1.0 (1)	2.0 (1)	1.0 (1)		1.5 (2)	1.5 (2)						
	· · ·		N	1pumala	anga							
			Balfour,	-		liniek						
				Beef:								
				Gaute	ng							
		Pretoria	, Anima V	eterina	ry Cons	sulting Roo	ms					
				Beef:	2							
				Limpo	ро							
			Mokopa	-		sser						
				Beef:	1							
				Free St								
	В	othaville,	Cape Cros			eterinary H	ospital					
				Beef:								
			Memel, Me			y Clinic						
			1/-	Beef:								
		R#+		wazulu-		mal Clinia						
		MIC	ubatuba, N	atubatu Beef:		nai Cililic						
			Pongola, F			l Clinic						
			Jilgola, F	Beef:								
			Sont-leg	ged tic	cks				^			
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape			
Average	1.0 (1)		2.0 (1)	2.0 (4)	2.4 (5)	2.0 (2)	3.0 (3)					
Level of imp	Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported											
Beef 1.0 (1) 2.0 (1) 2.0 (3) 2.3 (4) 2.0 (2) 3.0 (1)												
Sheep 2.0 (1) 3.0 (1) 3.0 (1)												
Goat 3.0 (1)												
	Goat Mpumalanga											
				·pumaic	ariya							

			Balfour,	Ralfour	Diorok	liniak			
			Dallour,	Beef:		iiiiek			
				Limpo					
		R	Sela-Bela, V			ekliniek			
			Jia Bela,	Beef:					
				North W					
		Chi	ristiana, Cl			hospitaal			
		<u> </u>	i iociai ia, Ci	Beef:		поэрнаа			
		Klei	rksdorp, K			ehospitaal			
				ef: 2, Sh	_				
			Schweize	•	•	leyns			
				Beef:		-			
				Free St	ate				
		Bultfor	itein, Grey	lingsrus	st Diere	spreekkam	er		
				Beef:					
		H	loopstad,			ekliniek			
				ef: 3, Sh	•				
		Kro	onstad, K			hospitaal			
				Beef:					
			Vrede, V			oitaal			
			1/-	Beef: vazulu-					
		R	KV ,lewcastle			wcastle			
		<u>IX</u>	iewcastie,	Beef:		wcastie			
		Unde	rhera Und			ary Surger	v		
		Olide	iberg, ond	Beef:		iary Sarger	7		
			Е	astern (
		Middel				ierehospita	al		
				, Sheep:		-			
			Red-legg	jed tic	ks				^
PROVINCE	Mpumalanga	Gauteng	Limpopo			Kwazulu-		Western	
				West	State	Natal	Cape	Cape	Cape
Average	1.0 (1)			3.0 (1)	2.3 (6)	3.0 (1)	1.0 (1)		
Level of imp	oortance scale: 1	l = one cas	se, 2 = more	e than or reporte		but less than	ten and 3	= more tha	in 10 cases
	4.0 (4)			•		0.0.(4)	4.0 (4)		
Beef	1.0 (1)			3.0 (1)		3.0 (1)	1.0 (1)		
Sheep					2.5 (2)				
энсер									
энеер				1pumala					
энеер			Balfour,	Balfour	Dierek	liniek			
эпеер			Balfour,	Balfour Beef:	Dierek 1	liniek			
Эпеер			Balfour,	Balfour Beef: North W	Dierek 1 /est				
эпсер		Chr	Balfour,	Balfour Beef: North W	Dierek 1 /est a Diere				
эпсер		Chi	Balfour,	Balfour Beef: North W hristian Beef:	Dierek 1 /est a Diere 3				
Эпсер			Balfour, I Iristiana, Cl	Balfour Beef: North W hristian Beef: Free St	Dierek 1 /est a Diere 3 ate	hospitaal			
Эпсер			Balfour, I Iristiana, Cl	Balfour Beef: North W hristian Beef: Free St lingsrus	Dierek 1 /est a Diere 3 ate		er		
эпсер		Bultfor	Balfour, I ristiana, Cl atein, Grey	Balfour Beef: North W hristian Beef: Free St lingsrus Beef:	Dierek 1 /est a Diere 3 ate st Diere 2	hospitaal espreekkam	er		
Эпсер		Bultfor	Balfour, l ristiana, Cl ntein, Grey loopstad, l	Balfour Beef: North Whristian Beef: Free St lingsrus Beef: Hoopsta	Dierek 1 /est a Diere 3 ate st Diere 2 ad Diere	hospitaal espreekkam	er		
Эпсер		Bultfor	Balfour, I ristiana, Cl ntein, Grey Hoopstad, I Be	Balfour Beef: North Whristian Beef: Free St lingsrus Beef: Hoopsta	Dierek 1 /est a Diere 3 ate st Diere 2 ad Diere eep: 3	hospitaal espreekkam ekliniek	er		
Эпсер		Bultfor	Balfour, I ristiana, Cl atein, Grey Hoopstad, I Be ponstad, K	Balfour Beef: North Whristian Beef: Free St lingsrus Beef: Hoopsta	Dierek 1 /est a Diere 3 ate st Diere 2 ad Diere eep: 3 d Diere	hospitaal espreekkam ekliniek	er		

Memel, Memel Veterinary Clinic																		
Beef: 2																		
			Kv	wazulu-	Natal													
		Pietern	naritzburg	, Richm	ond Ve	terinay Clir	ic											
	Beef: 3																	
Eastern Cape Ouganstown Ouganstown Votarinary clinic																		
Queenstown, Queenstown Veterinary clinic Beef: 1																		
				Beef:	1													
	Paralysis ticks																	
PROVINCE	PROVINCE Mpumalanga Gauteng Limpopo West State Kwazulu- Cape Cape Cape																	
Average					2.0 (1)		2.5 (2)											
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported																		
Beef																		
Beef 3.0 (1) Sheep 2.0 (1) 2.0 (1) 2.0 (1)																		
				Free St	ate													
	Free State Zastron, Zastron Dierekliniek																	
			·	Sheep:														
			E	astern (Саре													
			Aliwal Nor	th, Uits	pan C 1	Troskie												
				Beef:														
		Middel	burg (EC),	Steyns Sheep:		ierehospita	al											
		Ві	iting lice	(red l	ice)				^									
PROVINCE	Mpumalanga G	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape									
Average				2.0 (1)	2.0 (3)	2.0 (1)	1.7 (3)											
Level of imp	ortance scale: 1 =	= one cas	e, 2 = more	e than or reporte		but less than	ten and 3	= more tha	n 10 cases									
Beef				2.0 (1)	2.0 (3)	2.0 (1)	1.5 (2)											
Goat							2.0 (1)											
				North W	/est													
		Chi	ristiana, Cl	hristian	a Diere	hospitaal												
			·															
Beef: 2 Free State																		
Free State Bethlehem, Bethlehem Animal Hospital																		
		Beth				al Hospital		Bethlenem, Bethlenem Animai Hospital Beef: 1										
			ılehem, Be	Beef:	1													
			ılehem, Be	Beef: arrismit	1 :h Diere	al Hospital ehospitaal												
		Har	rismith, H	Beef: arrismit Beef:	1 : h Diere 2	ehospitaal												
		Har	ılehem, Be	Beef: arrismit Beef: roonsta	1 :h Diere 2 d Diere	ehospitaal												
		Har	rismith, H	Beef: arrismit Beef: roonsta Beef:	1 :h Diere 2 d Diere 3	ehospitaal												
		Har Kro	rismith, H ponstad, K	Beef: arrismit Beef: roonsta Beef: wazulu-	1 th Diero 2 d Diero 3 Natal	ehospitaal												
		Har Kro	rismith, H	Beef: arrismit Beef: roonsta Beef: wazulu-	1 ch Diere 2 d Diere 3 Natal rinary S	ehospitaal												
		Har Kro	rismith, H constad, K Kv Kokstad, E.	Beef: arrismit Beef: roonsta Beef: wazulu- G.Veter	1 ch Diere d Diere Matal inary S	ehospitaal												

Aliwal North, Uitspan C Troskie														
Beef: 1														
		Graaff-	Reinet, Gra			terinary Cli	nic							
				ef: 2, G			-							
	Sucking lice (blue lice)													
PROVINCE	ROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu- Cape Western Cape Cape													
Average	Average 2.0 (1) 3.0 (1)													
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported														
Beef	2.0 (1)			3.0 (1)				1.0 (1)						
			M	1pumala	anga									
	Mpumalanga Standerton, Econovet													
				Beef:	_									
		Leeudo			ingsta	d Diereklini	ek							
				Beef:	_									
		Challan		estern		mal Hassite	_1							
		Steller	iboscn, Sto	Beef:		mal Hospita	al							
			Carlo	200.1	_									
			Scab	Scab mites										
PROVINCE Mpumalanga Gauteng Limpopo North Free Kwazulu- Eastern Western Norther West State Natal Cape Cape														
PROVINCE	Mpumalanga	Gauteng	Limpopo											
PROVINCE Average	Mpumalanga	Gauteng	Limpopo			Natal								
Average	Mpumalanga ortance scale: 1			West	State 1.0 (2) ne case	Natal 2.0 (1)	Cape 2.0 (5)	Cape	Cape 1.0 (1)					
Average				West	State 1.0 (2) ne case	Natal 2.0 (1) but less than	Cape 2.0 (5)	Cape	Cape 1.0 (1)					
Average Level of imp			e, 2 = more	West	1.0 (2) ne case ed 1.0 (2)	Natal 2.0 (1) but less than	2.0 (5) ten and 3	Cape	1.0 (1) an 10 cases					
Average Level of imp		. = one cas	e, 2 = more	West than or reporter Free Sta	1.0 (2) ne case ed 1.0 (2) ate rt Diere	Natal 2.0 (1) but less than 2.0 (1)	2.0 (5) ten and 3	Cape	1.0 (1) an 10 cases					
Average Level of imp		. = one cas	e, 2 = more	west than or reporter Free St. Frankfo Sheep:	1.0 (2) ne case ed 1.0 (2) ate rt Diere	Natal 2.0 (1) but less than 2.0 (1) ekliniek	2.0 (5) ten and 3 2.0 (5)	Cape	1.0 (1) an 10 cases					
Average Level of imp		. = one cas	e, 2 = more	west than or reporter Free St. Frankfo Sheep: rt Diere	1.0 (2) ne case ed 1.0 (2) ate rt Diere	Natal 2.0 (1) but less than 2.0 (1)	2.0 (5) ten and 3 2.0 (5)	Cape	1.0 (1) an 10 cases					
Average Level of imp		. = one cas	e, 2 = more rankfort, I Wilgepoo	west than or reporter Free St. Frankfo Sheep:	1.0 (2) ne case ed 1.0 (2) ate rt Diere	Natal 2.0 (1) but less than 2.0 (1) ekliniek	2.0 (5) ten and 3 2.0 (5)	Cape	1.0 (1) an 10 cases					
Average Level of imp		= one cas	e, 2 = more rankfort, I Wilgepoo	than or reported free St. Frankfo Sheep: rt Diere Sheep: wazulu-	1.0 (2) ne case ed 1.0 (2) ate rt Diere 1 skliniek 1 Natal	Natal 2.0 (1) but less than 2.0 (1) ekliniek	2.0 (5) ten and 3 2.0 (5)	Cape	1.0 (1) an 10 cases					
Average Level of imp		= one cas	e, 2 = more frankfort, I Wilgepoo Kv tokstad, E.	e than or reported. Free St. Frankfo Sheep: ort Diere Sheep: wazulu- G.Veter Sheep:	1.0 (2) ne case ed 1.0 (2) ate rt Diere 1 kliniek 1 Natal rinary S	Natal 2.0 (1) but less than 2.0 (1) ekliniek	2.0 (5) ten and 3 2.0 (5)	Cape	1.0 (1) an 10 cases					
Average Level of imp		F Villiers,	e, 2 = more frankfort, I Wilgepoo Kv tokstad, E.	Free St. Frankfo Sheep: Sheep: Sheep: Wazulu- G.Veter Sheep: astern (1.0 (2) ne case ed 1.0 (2) ate rt Diere 1 Natal inary S 2 Cape	Natal 2.0 (1) but less than 2.0 (1) ekliniek Vennootsk	Cape 2.0 (5) ten and 3 2.0 (5)	Cape	1.0 (1) an 10 cases					
Average Level of imp		F Villiers,	e, 2 = more frankfort, I Wilgepoo Kv tokstad, E.	Free St. Frankfo Sheep: rt Diere Sheep: vazulu- G.Veter Sheep: astern (Camdebo	ne case ed 1.0 (2) ne case ed 1.0 (2) ate rt Diere 1 skliniek 1 Natal inary S 2 Cape	Natal 2.0 (1) but less than 2.0 (1) ekliniek	Cape 2.0 (5) ten and 3 2.0 (5)	Cape	1.0 (1) an 10 cases					
Average Level of imp		= one cas F Villiers,	e, 2 = more rankfort, I Wilgepoo Kv okstad, E. E-Reinet, C	than or reported than or reported than or reported than or reported than the standard than the standar	ne case ed 1.0 (2) ne case ed 1.0 (2) ate rt Diere 1 skliniek 1 Natal inary S 2 Cape to Vete 1	Natal 2.0 (1) but less than 2.0 (1) ekliniek Vennootsk Gervices	Cape 2.0 (5) ten and 3 2.0 (5)	Cape	1.0 (1) an 10 cases					
Average Level of imp		= one cas F Villiers,	e, 2 = more rankfort, I Wilgepoo Kv okstad, E. E-Reinet, C	than or reported than or reported than or reported than or reported than the standard than the standar	1.0 (2) ne case ed 1.0 (2) ate rt Diere 1 Natal rinary S 2 Cape Do Vete Inter Vete	Natal 2.0 (1) but less than 2.0 (1) ekliniek Vennootsk	Cape 2.0 (5) ten and 3 2.0 (5)	Cape	1.0 (1) an 10 cases					
Average Level of imp		F Villiers, Graaff	e, 2 = more rankfort, I Wilgepoo Kv Okstad, E. E-Reinet, C Reinet, Gra	Free St. Frankfo Sheep: rt Diere Sheep: wazulu- G.Veter Sheep: astern (Camdebo Sheep: aaff Rei Sheep: e to spec	ne case ed 1.0 (2) ne case ed 1.0 (2) ate rt Diere 1 skliniek 1 Natal inary S 2 Cape Oo Vete 1 inet Vet 3 culators	Natal 2.0 (1) but less than 2.0 (1) ekliniek Vennootsk Services erinary Clini	Cape 2.0 (5) ten and 3 2.0 (5) ap	Cape	1.0 (1) an 10 cases					
Average Level of imp		F Villiers, Graaff	e, 2 = more rankfort, I Wilgepoo Kv Okstad, E. E-Reinet, C Reinet, Gra	than or reported than or reported than or reported than or reported than the sheep: The s	ne case ed 1.0 (2) ne case ed 1.0 (2) ate rt Diere 1 kliniek 1 Natal rinary S 2 Cape to Vete 1 net Vet 3 rulators burg D	Natal 2.0 (1) but less than 2.0 (1) ekliniek Vennootsk Gervices	Cape 2.0 (5) ten and 3 2.0 (5) ap	Cape	1.0 (1) an 10 cases					
Average Level of imp		= one cas F Villiers, K Graaff Graaff-	e, 2 = more frankfort, I Wilgepoo Kv Kokstad, E. F-Reinet, C Reinet, Gra Due burg (EC),	Free Start Diere Sheep:	ne case ed 1.0 (2) ne case ed 1.0 (2) nate rt Diere locate Natal inary S 2 Cape oo Vete 1 net Vet 3 culators burg D	Natal 2.0 (1) but less than 2.0 (1) ekliniek Vennootsk erinary Clini terinary Clini ierehospita	Cape 2.0 (5) ten and 3 2.0 (5) ap	Cape	1.0 (1) an 10 cases					
Average Level of imp		= one cas F Villiers, K Graaff Graaff-	e, 2 = more frankfort, I Wilgepoo Kv Kokstad, E. F-Reinet, C Reinet, Gra Due burg (EC),	than or reported than or reported to speep: wazulu-G.Veter Sheep: astern (Camdebo Sheep: as	state 1.0 (2) ne case ed 1.0 (2) ate rt Diere lekliniek Natal inary S Cape oo Vete inet Vet aulators burg D 1 g Vetei	Natal 2.0 (1) but less than 2.0 (1) ekliniek Vennootsk Services erinary Clini	Cape 2.0 (5) ten and 3 2.0 (5) ap	Cape	1.0 (1) an 10 cases					
Average Level of imp		F Villiers, K Graaff- Graaff- Middel Some	e, 2 = more frankfort, I Wilgepoo Kv tokstad, E. F-Reinet, C Reinet, Gra burg (EC),	than or reported than or reported than or reported the sheep: Trankfo Sheep: Tra	state 1.0 (2) ne case ed 1.0 (2) ate rt Diere 1 Natal inary S 2 Cape oo Vete 3 culators burg D 1 g Veter 2	Natal 2.0 (1) but less than 2.0 (1) ekliniek Vennootsk erinary Clini terinary Clini ierehospita	Cape 2.0 (5) ten and 3 2.0 (5) ap	Cape	1.0 (1) an 10 cases					

Sheep: 3													
Northern Cape													
		I	De Aar, De			y Clinic							
				Sheep:	1								
		Flee	ce disturbar	nce - pos	sible sc	ab outbreak							
			Mange	Mites					^				
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape				
Average	1.5 (2)				2.7 (3)	1.0 (1)							
Level of imp	ortance scale: 1	= one cas	e, 2 = more	e than or reporte		but less than	ten and 3	= more tha	an 10 cases				
Beef													
Sheep													
			M	Ipumala	anga								
			Balfour, l	-		liniek							
				Beef:	1								
				Sarcopt									
			Bethal, I			iniek							
				Beef:									
				Free St									
			Clocolan, (Clocolai Beef:		KIINIEK							
			loopstad, l			akliniak							
			ioopstau, i	Beef:		CKIIIICK							
			Reitz, Rie			liniek							
				Beef:									
			Kv	vazulu-	Natal								
			Estcourt,	Estcou	rt Vet (Clinic							
				Sheep:	1								
			Nuisan	ce Flie	S				^				
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape				
Average						2.0 (2)							
Level of imp	ortance scale: 1	= one cas	e, 2 = more	than or reporte		but less than	ten and 3	= more tha	an 10 cases				
Beef						2.0 (1)							
Goat						2.0 (1)							
			Kv	vazulu-	Natal								
		Mt	ubatuba, N			mal Clinic							
				ef: 2, G									
			Blow	flies					^				
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape				

_					4.5.(0)				
Average					1.5 (2)				
Level of imp	ortance scale: 1	= one cas	se, 2 = more	e than or reporte		but less than	ten and 3	= more tha	an 10 cases
Beef					1.0 (1)				
Sheep					2.0 (1)				
				Free St					
		Beth	ilehem, Be	thleher Beef:		al Hospital			
		Н	loopstad, l			ekliniek			
				Sheep:					
			Screw-	-worm					^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average			1.0 (1)			2.0 (1)	2.0 (3)		
Level of imp	ortance scale: 1	= one cas	se, 2 = more			but less than	ten and 3	= more tha	an 10 cases
				reporte	ed	(1)	(-)		
Beef			1.0 (1)			2.0 (1)	2.0 (2)		
Sheep				1:			2.0 (1)		
			Mokopa	Limpo ne. Dr l	_	sser			
			Покора	Beef:					
				vazulu-					
		Mt	ubatuba, N	1tubatu Beef:		mal Clinic			
			Е	astern (
		Port	Alfred, Po			inary Clinic			
		Some	ercot Eact	Beef:		rinary Clinic			
		Some		ef: 2, Sh		mary Cimic	<u> </u>		
			Nasal bo						^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average									2.0 (2)
Level of imp	ortance scale: 1	= one cas	se, 2 = more	e than or reporte		but less than	ten and 3	= more tha	an 10 cases
Sheep									2.0 (1)
Goat									2.0 (1)
				orthern		niak			
			Kathu, I She	eep: 2, 0		IIICK			
			Mid						^

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Average	1.0 (2)			3.0 (1)							
Level of imp	ortance scale: 1	= one cas	se, 2 = more	e than or reporte		but less than	ten and 3	= more tha	n 10 cases		
Beef	1.0 (1)			3.0 (1)							
Sheep	1.0 (1)		N.	Inumali	anga.						
Mpumalanga Balfour, Balfour Dierekliniek											
Beef: 1, Sheep: 1											
North West Leeudoringstad, Leeudoringstad Dierekliniek											
				Beef:	3						
			Itch	mite					^		
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Average			<u>'</u>				1.0 (1)				
Level of imp	ortance scale: 1	= one cas	se, 2 = more	e than or reporte		but less than	ten and 3	= more tha	n 10 cases		
Sheep							1.0 (1)				
		Middal		astern (ierehospita	al.				
		Middel	burg (LC),	Sheep:		етепоэріса	ai .				
l I			Tick-b	orne	Disea	ses					
		1	African r	ed wa	ter				^		
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Average	2.0 (4)	2.0 (1)	1.0 (1)	1.0 (1)	2.3 (3)	1.9 (10)	1.7 (3)	1.7 (3)			
Level of imp	ortance scale: 1	= one cas	se, 2 = more	e than or reporte		but less than	ten and 3	= more tha	n 10 cases		
Beef	2.0 (4)	2.0 (1)	1.0 (1)	1.0 (1)	2.3 (3)	. ,	2.0 (2)	1.5 (2)			
Dairy						2.0 (2)	1.0 (1)	2.0 (1)			
		Ermelo		ipumala ed Vete		Spreekkam	er				
				Beef:	2						
			Grootvlei, (Grootvl Beef:		ekliniek					
Nelspruit, Nelspruit Animal Hospital											
Beef: 2 Endemic unstable situation: animals moved from one farm to another in the same area.											
		Sicuation		lerton, l	Econov		.or in the s	Janno Great			
				Beef:	2						

	Gaute	ng				
Bapsfontein, Ba	apsfont	ein Die	rehospitaal			
	Beef:	2				
	Limpo	ро				
Mokopa	ne, Dr H	lenk Vi	sser			
	Beef:	1				
	North W	/est				
Ventersdorp,	Buffels	vlei Die	erekliniek			
	Beef:	1				
	Free Sta	ate				
Frankfort, I	rankfo	rt Diere	ekliniek			
	Beef:					
Harrismith, Ha	arrismit	h Diere	ehospitaal			
,	Beef:					
Kroonstad, Kı	roonsta	d Diere	hospitaal			
	Beef:					
Kv	vazulu-					
Bergville, Ber			arv Clinic			
	Beef:		,			
Estcourt,		_	Clinic			
•	ef: 2, Da					
Greytown, Grey			rv Hosnital	<u> </u>		
dicytown, dicy	Beef:		iry mospitai			
Kokstad, E.		_	Services			
Ronstau, Li	Beef:		ei vices			
Mooi River			t Clinic			
	ef: 2, Da		Cillic			
Newcastle,		-	wesetle			
Newcastie,	Beef:		wcastie			
Diotormanitahung			torings, Clir	.i.a		
Pietermaritzburg	, Riciiii Beef:		termay Cili	IIC		
Dow	ennial pr					
			C			
Underberg, Und	Beef:		ary Surger	y		
_						
	astern (_L_!_L			
Alexandria,			otgieter			
	Beef:					
	Two far			•-		
Humansdorp, Hu		_	erinary Clin	IIC		
	ef: 1, Da	-				
	estern					
Caledon, Over			y Hospital			
	ef: 1, Da	-				
George, Ge			ospital			
	Beef:	2				
Asiatic re	ed wat	er				^
PROVINCE Mpumalanga Gauteng Limpopo	North	Free	Kwazulu-	Eastern	Western	Northern

			Asiatic re	ed wat	ter				<u>^</u>
PROVINCE	Mpumalanga	Gauteng	Limpopo		Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.6 (5)	1.0 (2)			1.5 (4)	1.6 (7)	1.5 (2)	1.3 (4)	

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

			reported				
Beef	1.6 (5)	1.0 (2)	1.5 (4)	1.5 (6)	2.0 (1)	1.0 (3)	
Dairy				2.0 (1)	1.0 (1)	2.0 (1)	
			Mpumalanga				
		Balfo	ur, Balfour Dierekli	iniek			
			Beef: 1				
		Ermelo, Môre	gloed Veterinêre S	preekkan	ner		
			Beef: 2				
		Middelburg	, Middelburg Diere	ehospitaa			
			Beef: 1				
		Piet R	etief, Pets Vet Hos	pital			
			Beef: 1				
		St	anderton, Econove	t			
			Beef: 3				
		Describe - · · ·	Gauteng	Nauclel!!	l.		
		Bronknorsts	pruit, Kerkstraat D	ierekiinie	K		
	Drotorio O	nderstancert #	Beef: 1 ademic Hospital an	d Droduct	ion Anim-	l Clinia	
	Pietoria, O	ilderstepoort Aca	Beef: 1	u Product	IOII AIIIIIIa	Cillic	
			Free State				
		Frankfo	rt, Frankfort Diere	kliniek			
		Tidikio	Beef: 2	KIIIICK			
		Harrismith	, Harrismith Diere	hospitaal			
			Beef: 1				
		Reitz	Riemland Dierekli	iniek			
			Beef: 1				
		Villiers, Wilge	poort Dierekliniek	Vennoots	kap		
			Beef: 2				
			Kwazulu-Natal				
		Bergville,	Bergville Veterina	ry Clinic			
			Beef: 1				
		Berg	ville, Tugela Vet Cl	inic			
			Beef: 2				
		Dunde	e, Endumeni Herd I	health			
		F-4	Beef: 2				
		ESTCO	urt, Estcourt Vet C	IINIC			
		Mooi Pi	Dairy: 2 ver, Mooirivier Vet	Clinic			
		Piooi Ki	Beef: 2	Cillic			
		Mtubatub	a, Mtubatuba Anin	nal Clinic			
			Beef: 1				
		Underberg, I	Underberg Veterina	ary Surge	ry		
			Beef: 1	, ,	•		
			Eastern Cape				
		Humansdorp,	Humansdorp Vete	rinary Cli	nic		
			Dairy: 1				
		Port Alfred,	Port Alfred Veteri	nary Clinic	S		
			Beef: 2				
			Western Cape				
		Caledon, O	verberg Veterinary	y Hospital			
		a	Beef: 1, Dairy: 2				
		Stellenbosch	, Stellenbosch Anir	nal Hospit	tal		
			Beef: 1				

		Swel	lendam, Sı	wellend Beef:		rehospitaal	<u> </u>		
			Anapla						^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.7 (3)	1.5 (2)	1.0 (1)	2.0 (3)	2.0 (14)	1.6 (5)	1.4 (5)	1.0 (2)	
Level of imp	ortance scale: 1	= one cas	e, 2 = more	e than or reporte		but less than	ten and 3	= more tha	in 10 cases
Beef	1.7 (3)	1.5 (2)	1.0 (1)	2.0 (3)	2.1 (10)	1.3 (4)	1.3 (4)	1.0 (1)	
Dairy					1.8 (4)	3.0 (1)	2.0 (1)	1.0 (1)	
			M	1pumala	anga				
			Balfour,	-		liniek			
				Beef:					
			Bethal,			niek			
				Beef:					
			Stand	lerton, I		et			
				Beef:					
			Nigel, Wel	Gaute		kliniek			
			itigei, wei	Beef:		KIIIIICK			
		Pretoria	a, Anima V			sulting Roo	ms		
			,	Beef:	_				
				Limpo	ро				
			Mokopa	ne, Dr H	lenk Vi	sser			
				Beef:					
				North W					
		Chi	ristiana, Cl			hospitaal			
		171		Beef:					
		Klei	ksdorp, K			ehospitaal			
			Schweize	Beef:		Joyne			
			Juliweize	Beef:	•	icylis			
				Free St					
		Bultfon				spreekkam	er		
			Be	ef: 2, Da	airy: 2				
			Clocolan, (kliniek			
				Beef:					
		Fick	sburg, Oos			e Produkte			
		U.s.	viomith !!	Beef:		-h-cn!+!			
		паг	risillith, H	Beef:		ehospitaal			
		Н	loopstad, l			ekliniek			
				Beef:					
		Kro	onstad, K			hospitaal			
				ef: 2, Da					
			Memel, Me			y Clinic			
				Beef:					
			Reitz, Rie	emland	Dierek	liniek			

				ef: 2, Da	•				
		Villiers,	Wilgepoo			Vennootsk	ар		
				Beef:					
			Vrede, V			oitaal			
				ef: 1, Da	-				
				wazulu-					
			Bergville			Clinic			
				Beef:					
		Mtı	ıbatuba, N			mal Clinic			
				Beef:					
		N	ewcastle,			wcastle			
				Beef:					
			Pongola, F			I Clinic			
			de e com 11 co d	Beef:					
		Under	berg, Und			ary Surger	y		
	Dain		4 haura haa	Dairy:		.al	:		
	Dairy	cattle mus				d, peripartur	ient stress		
		A I		astern ()atalatas			
		Al	exandria,	Beef:		otgieter			
				Two far					
		Cranff	Daimat Cr			torinom, Cli	nia		
		Graan-	keinet, Gr	aan ke i Beef:		terinary Cli	IIC		
		Human	cdorn Hu			erinary Clin	io		
		пишаг	isaorp, nu	Dairy:	_	ermary Cim	IC .		
		Middal	hura (EC)	•		ierehospita	al		
		Middei	burg (LC),	Beef:		ierenospita	aı		
		Ougan	stown Ou			erinary clin	ic		
		Queen	Stown, Qu	Beef:		cillary Cill	iC .		
			١٨	/estern					
			Darling,			liniak			
			Darning,	Dairy:		IIIICK			
		•	George, Ge	•		losnital			
		•	icorge, de	Beef:		iospitai			
					•				
			Heart	water					^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North		Kwazulu-	Eastern	Western	Northern
	- p			West	State	Natal	Cape	Cape	Cape
_	0.0 (4)	0.0.(0)		4.0.(0)		4.0 (0)	0.0 (7)		
Average	2.0 (1)	2.0 (3)		1.0 (3)		1.6 (8)	2.0 (7)		
Lovel of imp	ortanco coale: 1	- one coe	o 2 – marr	a than a	20.020	but loca than	ton and 2	- more the	n 10 casas
Level of Imp	ortance scale: 1	- one cas	e, z = more	e than or reporte		but less trian	ten and 3	- more tha	iii 10 cases
				-					
Beef	2.0 (1)			1.0 (2)		1.8 (4)	2.0 (3)		
							0 0 (4)		

Beef	2.0 (1)		1.0 (2)	1.8 (4)	2.0 (3)	
Dairy					2.0 (1)	
Sheep		1.5 (2)		1.0 (1)	2.0 (3)	
Goat		3.0 (1)	1.0 (1)	1.7 (3)		

Mpumalanga

Nelspruit, Nelspruit Animal Hospital

Beef: 2

Endemic unstable situation: animals moved after an auction from one farm to others in the same area: numerous cases.

Gauteng

Sheep: 2 Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic Sheep: 1, Goat: 3 Twenty one cases	
Sheep: 1, Goat: 3	
·	
Twenty one cases	
·	
North West	
Christiana, Christiana Dierehospitaal	
Beef: 1	
Swartruggens, Swartruggens Veterinary Clinic	
Goat: 1	
Ventersdorp, Buffelsvlei Dierekliniek	
Beef: 1	
Kwazulu-Natal	
Bergville, Bergville Veterinary Clinic Beef: 2	
Estcourt, Estcourt Vet Clinic	
Beef: 2, Goat: 2	
Mtubatuba, Mtubatuba Animal Clinic	
Beef: 2, Goat: 2	
Pongola, Pongola Animal Clinic	
Beef: 1, Sheep: 1, Goat: 1	
Eastern Cape	
Alexandria, Dr Thys (MJ) Potgieter	
Beef: 2	
Humansdorp, Humansdorp Veterinary Clinic	
Dairy: 2, Sheep: 2	
Port Alfred, Port Alfred Veterinary Clinic	
Beef: 2, Sheep: 2	
Uitenhage, Uitenhage Dierehospitaal	
Beef: 2, Sheep: 2	
Insect Transmittable Diseases	
Lumpy skin disease	^
North Free Kwazulu- Eastern Western North	nern
PROVINCE Mpumalanga Gauteng Limpopo West State Natal Cape Cape Cape	
Average 1.0 (3) 2.5 (2) 1.0 (1) 2.0 (3) 1.7 (3) 2.0 (1)	
	ases
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 careported	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 careported	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 careported Beef 1.0 (3) 2.5 (2) 1.0 (1) 2.0 (3) 1.7 (3)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 careported Beef 1.0 (3) 2.5 (2) 1.0 (1) 2.0 (3) 1.7 (3) Dairy 2.0 (1)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 careported Beef 1.0 (3) 2.5 (2) 1.0 (1) 2.0 (3) 1.7 (3) Dairy 2.0 (1) Mpumalanga	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 careported Beef 1.0 (3) 2.5 (2) 1.0 (1) 2.0 (3) 1.7 (3) Dairy 2.0 (1) Mpumalanga Balfour, Balfour Dierekliniek	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 careported Beef 1.0 (3) 2.5 (2) 1.0 (1) 2.0 (3) 1.7 (3) Dairy 2.0 (1) Mpumalanga Balfour, Balfour Dierekliniek Beef: 1	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 careported Beef 1.0 (3) 2.5 (2) 1.0 (1) 2.0 (3) 1.7 (3) Dairy 2.0 (1) Mpumalanga Balfour, Balfour Dierekliniek Beef: 1 Middelburg , Middelburg Dierehospitaal	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 careported Beef 1.0 (3) 2.5 (2) 1.0 (1) 2.0 (3) 1.7 (3) Dairy 2.0 (1) Mpumalanga Balfour, Balfour Dierekliniek Beef: 1 Middelburg , Middelburg Dierehospitaal Beef: 1	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 careported Beef 1.0 (3) 2.5 (2) 1.0 (1) 2.0 (3) 1.7 (3) Dairy 2.0 (1) Mpumalanga Balfour, Balfour Dierekliniek Beef: 1 Middelburg , Middelburg Dierehospitaal	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 careported Beef 1.0 (3) 2.5 (2) 1.0 (1) 2.0 (3) 1.7 (3) Dairy 2.0 (1) Mpumalanga Balfour, Balfour Dierekliniek Beef: 1 Middelburg , Middelburg Dierehospitaal Beef: 1 Nelspruit, Nelspruit Animal Hospital	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 careported Beef 1.0 (3) 2.5 (2) 1.0 (1) 2.0 (3) 1.7 (3) Dairy 2.0 (1) Mpumalanga Balfour, Balfour Dierekliniek Beef: 1 Middelburg , Middelburg Dierehospitaal Beef: 1 Nelspruit, Nelspruit Animal Hospital Beef: 1	

				Beef:	2				
	Pretoria, O	nderstepo	ort Acade	mic Hos	pital a	nd Producti	on Anima	l Clinic	
		•		Beef:	-				
				Limpo	ро				
			Mokopa	ne, Dr I	lenk V	isser			
				Beef:	1				
				Free St					
		Beth	lehem, Be			al Hospital			
				Beef:					
		Fick	sburg, Oos			e Produkte			
				Beef:		. .			
			Memel, Me			y Clinic			
			V.	Beef: vazulu-					
			KV Dundee, E			health			
			ounuce, E	Beef:		nealth			
		N	ewcastle,			wcastle			
			,,	Beef:					
			Pongola, F	ongola	Anima	I Clinic			
				Beef:					
			Confir	med in I	aborato	ry			
				estern					
			Oudts	hoorn,		ed			
				Dairy:					
		Very late	and only in	two dai	ry herds	s – mainly hei	fers		
		Thr	ee-day-s	tiffsic	kness				^
PROVINCE	Mpumalanga	Gauteng	Limpopo		Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					1.5 (2)				
Level of imp	oortance scale: 1	l = one cas	e, 2 = more	e than or reporte		but less than	ten and 3	= more tha	n 10 cases
Beef					1.5 (2)				
Beef				Fraa St	1.5 (2)				
Beef		Reth		Free St	ate				
Beef		Beth			ate n Anim	al Hospital			
Beef			lehem, Be	thleher Beef:	ate n Anim 1	al Hospital			
Beef			lehem, Be	thleher Beef:	ate n Anim 1 at Dier				
Beef			ilehem, Be sburg, Oos	thleher Beef: Vrysta Beef:	ate n Anim 1 at Dier 2	al Hospital			
Beef			ilehem, Be	thleher Beef: Vrysta Beef:	ate n Anim 1 at Dier 2	al Hospital			_
	Mpumalanga	Ficks	sburg, Oos	Beef: Wrysta Beef: Ongue North	ate n Anim 1 at Dier 2	al Hospital	Eastern Cape	Western Cape	Northern Cape
	Mpumalanga	Ficks	sburg, Oos	Beef: Wrysta Beef: Ongue North	ate n Anim 1 at Dier 2	al Hospital e Produkte Kwazulu-			
PROVINCE Average	Mpumalanga	Ficks	Blue to	Heher Beef: Vrysta Beef: Ongue North West	ate n Anim 1 at Dier 2 Free State	al Hospital e Produkte Kwazulu- Natal	Cape 1.0 (2)	Cape	Cape
PROVINCE Average Level of imp		Ficks	Blue to	Beef: Vrysta Beef: ongue North West	ate n Anim 1 at Dier 2 Free State	al Hospital e Produkte Kwazulu- Natal	1.0 (2) ten and 3	Cape	Cape
PROVINCE Average		Ficks	Blue to	Heher Beef: Vrysta Beef: Ongue North West	ate n Anim 1 at Dier 2 Free State	al Hospital e Produkte Kwazulu- Natal	Cape 1.0 (2)	Cape	Cape

	Graaff-Reinet, Camdeboo Veterinary Clinic										
			(50)	Sheep:							
		Middell	burg (EC),			ierehospita	al				
Goat: 1											
Angora with chronic myosites Venereal Diseases											
			Vene	real D	iseas	es					
			Trichon	nonosi	s				^		
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Average	2.3 (3)			3.0 (2)	2.2 (9)	2.4 (5)	2.0 (1)				
Level of imp	ortance scale: 1	= one case	e, 2 = more	e than or reporte		but less than	ten and 3	= more tha	n 10 cases		
Beef	2.3 (3)			3.0 (2)	2.2 (9)	2.4 (5)	2.0 (1)				
			M	1pumala	anga						
		Midd		Iiddelbu	ırg Diei	ehospitaal					
				Beef:	3						
			Piet Retie			spital					
				Beef:							
			Stand	lerton,		et					
				Beef: North W	_						
		Locudo				d Diereklini	ok				
		Leeuuo	illiystau, i	Beef:		ı Dierekiilii	CK				
			Thirty ou			itive					
			Stella,								
				Beef:							
				Free St	ate						
		Beth	lehem, Be	thleher	n Anim	al Hospital					
				Beef:	2						
			sting farms,								
	В	othaville,	Cape Cros			eterinary Ho	ospital				
				Beef:							
		F	rankfort,			ekliniek					
		Use	riemith U	Beef:		ehospitaal					
		ПаГ	nsniidi, A	Beef:		nospitadi					
		н	oopstad, l			ekliniek					
			. Jopseda, 1	Beef:							
		Ladybra	nd, Ladyb			or Diereklin	iek				
		•		Beef:							
		Viljoe	nskroon, \	Viljoens	kroon l	Dierekliniel	(
				Beef:							
		Villiers,	Wilgepoo			Vennootsk	ар				
	Beef: 3 Vrede, Vrede Dierehospitaal										
			vreae, v	Beef:		JILddi					
			Kv	vazulu-							
		Bei	rgville, Be			ary Clinic					
			J, 20	Beef:		,					

			Bergville	e, Tugel	a Vet C	Clinic					
Beef: 2											
		l	Dundee, E			health					
		1/	alasta d. F	Beef:		`					
		K	okstad, E.	G.veter Beef:		ervices					
		N	ewcastle,			wcastle					
			crrcastic	Beef:		reasere					
			Е	astern (Саре						
		Queen	stown, Qu			erinary clin	ic				
				Beef:							
				New fa	rm						
			Vibri	iosis					^		
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Average			1.0 (1)				1.0 (1)				
Level of imp	ortance scale: 1	= one cas	e, 2 = more	e than or reporte		but less than	ten and 3	= more tha	an 10 cases		
Beef			1.0 (1)				1.0 (1)				
				Limpo	ро						
			Mokopa			isser					
Mokopane, Dr Henk Visser Beef: 1											
Eastern Cape											
Somerset East, Bosberg Veterinary Clinic Beef: 1											
			Pizzle d		_				^		
PROVINCE	Mpumalanga	Gauteng	Limpopo	North	Free	Kwazulu-	Eastern	Western			
	ROVINCE Mpumalanga Gauteng Limpopo North Free West State Natal Cape Cape Cape										
Average				West	State	Natal	•	•	•		
Average				West	State	Natal	Cape 1.5 (2)	Cape 1.0 (1)	3.0 (1)		
	oortance scale: 1	. = one cas	e, 2 = more		ne case		1.5 (2)	1.0 (1)	3.0 (1)		
	oortance scale: 1	. = one cas	e, 2 = more	e than or	ne case		1.5 (2)	1.0 (1)	3.0 (1)		
Level of imp	oortance scale: 1		E	e than or reporte	ne case ed Cape	but less than	1.5 (2) ten and 3	1.0 (1) = more tha	3.0 (1) an 10 cases		
Level of imp	oortance scale: 1			e than or reporte astern (th, Uits	ne case ed Cape pan C 1	but less than	1.5 (2) ten and 3	1.0 (1) = more tha	3.0 (1) an 10 cases		
Level of imp	oortance scale: 1		E Aliwal Nor	e than or reporte astern (th, Uits Sheep:	ne case ed Cape pan C 1	but less than	1.5 (2) ten and 3	1.0 (1) = more tha	3.0 (1) an 10 cases		
Level of imp	oortance scale: 1		E Aliwal Nor	e than or reporte astern (th, Uits Sheep: aaff Rei	ne case ed Cape pan C 1	but less than	1.5 (2) ten and 3	1.0 (1) = more tha	3.0 (1) an 10 cases		
Level of imp	oortance scale: 1		E Aliwal Nor Reinet, Gr	e than or reporte astern (th, Uits Sheep: aaff Rei Sheep:	Cape pan C 1 inet Ve	but less than	1.5 (2) ten and 3	1.0 (1) = more tha	3.0 (1) an 10 cases		
Level of imp	oortance scale: 1	Graaff-	E Aliwal Nor Reinet, Gra W	astern (th, Uits Sheep: aaff Rei Sheep:	Cape pan C 1 inet Ver 2 Cape	but less than	1.5 (2) ten and 3	1.0 (1) = more tha	3.0 (1) an 10 cases		
Level of imp	oortance scale: 1	Graaff-	E Aliwal Nor Reinet, Gra W	astern (th, Uits Sheep: aaff Rei Sheep:	Cape pan C 1 net Ver 2 Cape Cape Ort Wes	but less than Froskie terinary Clin	1.5 (2) ten and 3	1.0 (1) = more tha	3.0 (1) an 10 cases		
Level of imp	oortance scale: 1	Graaff-	E Aliwal Nor Reinet, Gra W wifort West,	astern (th, Uits Sheep: aaff Rei Sheep: /estern , Beaufo Sheep: www.introd	Cape pan C 1 net Ver 2 Cape ort Wes 1 uction	but less than Froskie terinary Clin	1.5 (2) ten and 3	1.0 (1) = more tha	3.0 (1) an 10 cases		
Level of imp	oortance scale: 1	Graaff-l Beau	E Aliwal Nor Reinet, Gra W wifort West, Ne	astern (th, Uits Sheep: aaff Rei Sheep: bestern Beaufo Sheep: w introd	Cape pan C 1 inet Ver Cape Cape ort Wes 1 uction Cape	but less than Froskie terinary Clin St State Vet	1.5 (2) ten and 3	1.0 (1) = more tha	3.0 (1) an 10 cases		
Level of imp	portance scale: 1	Graaff-l Beau	E Aliwal Nor Reinet, Gra W wifort West,	astern (th, Uits Sheep: Sheep: Vestern Beaufo Sheep: w introd orthern alvinia	Cape Cape Cape Cape Cape Cape Cape Cape	but less than Froskie terinary Clin St State Vet	1.5 (2) ten and 3	1.0 (1) = more tha	3.0 (1) an 10 cases		
Level of imp	portance scale: 1	Graaff-l Beau	E Aliwal Nor Reinet, Gra W wifort West, Ne	astern (th, Uits Sheep: aaff Rei Sheep: (estern , Beaufo Sheep: w introd orthern alvinia \ Sheep:	Cape pan C 1 inet Ver 2 Cape ort Wes 1 uction Cape Veearts 3	but less than Froskie terinary Clin St State Vet	1.5 (2) ten and 3	1.0 (1) = more tha	3.0 (1) an 10 cases		

Blackquarter											
PROVINCE	Mpumalanga	Gauteng	Limpopo		Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Average	2.0 (3)			1.0 (1)	2.4 (8)	1.5 (6)	1.5 (2)	1.0 (1)	2.0 (1)		
Level of imp	ortance scale: 1	e one cas	e, 2 = more	e than or reporte		but less than	ten and 3	= more tha	n 10 cases		
Beef	2.0 (3)			1.0 (1)	2.4 (7)	1.5 (6)	1.5 (2)	1.0 (1)	2.0 (1)		
Sheep					2.0 (1)						
Mpumalanga											
			Balfour,			liniek					
			rootuloi (Beef:		deliminde					
		G	Grootvlei,	Grootvi Beef:		KIIIIEK					
		Midd	lelbura . M			rehospitaal					
		iiidu	3.24.3/I	Beef:	_	J. Jopitudi					
				North W							
		Kler	ksdorp, K	lerksdo	rp Dier	ehospitaal					
				Beef:	1						
				Free St	ate						
		D	ewetsdor	-	_	ekliniek					
				Beef:							
		Har	rismith, H			ehospitaal					
		l/ua	anatad V	Beef:		haanitaal					
		Kro	onstad, K	roonsta Beef:		enospitaai					
			Memel, Me			v Clinic					
		_	acinci, rac	Beef:		Cillic					
		Villiers,	Wilgepoo		-	Vennootsk	ар				
			<u> </u>	Beef:			- •				
		Wes	selsbron,	Wessels	bron D	ierekliniek					
				Beef:	3						
			Young ar								
			Zastron,			liniek					
				ef: 1, Sh	-						
		De		wazulu-		anı Clinia					
		Re	rgville, Be	rgville v Beef:		ary Clinic					
		Г	Dundee, M			v Clinic					
		-	- aacc, 1-1	Beef:		,					
			Estcourt			Clinic					
				Beef:							
		N	100i River	, Mooiri	ivier Ve	t Clinic					
				Beef:							
		N	ewcastle,			wcastle					
Beef: 1 Underberg, Underberg Veterinary Surgery											
		Under	rberg, Und			ary Surger	У				
				Beef:							
		ΔI	exandria,	astern (otajeter					
		All	CAGIIUI IA,	Beef:		Jugietei					
				DCCI.	-						

Beef: 2 Seed: 1 Seed: 2 Seed: 2 Seed: 3 Seed: 3 Seed: 4 Seed	Aliwal North, Uitspan C Troskie												
Seef: 1 Seef: 1 Seef: 1 Seef: 2 Seef: 2 Seef: 3 Seef: 4 Seef	·												
Beef: 1 Northern Cape North Free Natal Sheep: 2 Northern Cape						•							
Northern Cape Kuruman, Nuruman Dierekliniek Beef: 2			(George, Ge			lospital						
Ruruman, Kuruman Dierekliniek Beeff: 2				No									
PROVINCE Mpumalanga Gauteng Limpopo North Free Restate State		Kuruman, Kuruman Dierekliniek											
PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu- Cape (Cape Cape Cape Cape) Average Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Beef													
Average Limpopo North Free Nest State Matal Limpopo North Free Nest Natal Limpopo North North Free Nest Natal Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Northern Cape Upington, Upington, Veterinary Clinic Sheep: 3 Ewes (11) died in Kenhardt district in one camp. Source still inknown. Area calcium deficient Pulpy Kidney PROVINCE Mpumalanga Gauteng Limpopo North Free Natal Average 2.0 (1) 2.0 (1) 1.0 (2) 1.0 (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 Average 2.0 (1) 2.0 (1) 1.0 (2) 1.0 (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 Northern Cape 2.0 (1) 2.0 (1) 1.0 (1) 1.0 (2) 2.0 (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 North West Christiana, Christiana Dierehospitaal Sheep: 2 Free State Bethlehem, Bethlehem Animal Hospital Sheep: 1 Bothaville, Cape Cross Bothaville Veterinary Hospital Sheep: 2 Ficksburg, Oos Vrystaat Diere Produkte Sheep: 2 Ficksburg, Oos Vrystaat Diere Produkte			Nine	e cattle died	l, were v	accinate	ed last year						
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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	PROVINCE	Mpumalanga	Gauteng	Limpopo									
Reef	Average								1.5 (2)	3.0 (1)			
Sheep Shee	Level of imp	ortance scale: 1	= one cas	e, 2 = more			but less than	ten and 3	= more tha	n 10 cases			
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Upington, Upington Veterinary Clinic Sheep: 3 Ewes (11) died in Kenhardt district in one camp. Source still inknown. Area calcium deficient Pulpy Kidney PROVINCE Mpumalanga Gauteng Limpopo West State Kwazulu- Natal Cape Western Cape Average 2.0 (1) 2.0 (1) 1.0 (2) 1.0 (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 Sheep 2.0 (1) 2.0 (1) 1.0 (1) 1.0 (2) 2.0 (1) 2.0 (2) Goat 1.0 (1) 1.0 (1) 1.0 (1) 2.0 (1) North West Christiana, Christiana Dierehospitaal Sheep: 2 Free State Bethlehem, Bethlehem Animal Hospital Sheep: 1 Bothaville, Cape Cross Bothaville Veterinary Hospital Sheep: 2 Ficksburg, Oos Vrystaat Diere Produkte Sheep: 2													
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Goat North West Christiana, Christiana Dierehospitaal Sheep: 2 Free State Bethlehem, Bethlehem Animal Hospital Sheep: 1 Bothaville, Cape Cross Bothaville Veterinary Hospital Sheep: 2 Ficksburg, Oos Vrystaat Diere Produkte Sheep: 2	Level of imp	ortance scale: 1	= one cas	e, 2 = more			but less than	ten and 3	= more tha	n 10 cases			
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Christiana, Christiana Dierehospitaal Sheep: 2 Free State Bethlehem, Bethlehem Animal Hospital Sheep: 1 Bothaville, Cape Cross Bothaville Veterinary Hospital Sheep: 2 Ficksburg, Oos Vrystaat Diere Produkte Sheep: 2	Goat						1.0 (1)	1.0 (1)	2.0 (1)				
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Frankfort, Frankfort Dierekliniek			F	rankfort, I	-		ekliniek						

Sheep: 2															
Harrismith, Harrismith Dierehospitaal															
		Har	rismith, H			enospitaai									
		u	loopstad, l	Sheep:		akliniak									
		П	ioopstau, i	Sheep:		EKIIIIEK									
		Vro	onstad, K	•		hocnitaal									
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			Reitz, Ric	Sheep:		IIIICK									
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		Villiers	Wilgenoo	•		Vennootsk	an								
Villiers, Wilgepoort Dierekliniek Vennootskap Sheep: 3															
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			She	eep: 2, 6	Goat: 2										
			No	orthern	Cape										
	Calvinia, Calvinia Veeartskliniek														
				Sheep:	2										
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				Sheep:											
	Lamb deat	:hs - possib	le clostridia	l infectio	n as vac	cination stop	ped morta	lities.							
			Lamb d	ysentr	у				^						
				North	Eroo	Kwazulu-	Eactorn	Western	Northern						
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Natal	Cape	Cape	Cape						
				West	State	Matai	Cape	Саре	Сарс						
Average					2.0 (1)										
_					, ,										
Level of imp	ortance scale: 1	e one cas	e, 2 = more	e than or	ne case	but less than	ten and 3	= more tha	n 10 cases						
				reporte	ed										
Sheep					2.0 (1)										
		Free State													
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			Clocolan, (KiiiieK									
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DDC//TNG-		Sw	velled he	Sheep:	2	Kwazulu-	Eastern	Western	^ Northern						
PROVINCE	Mpumalanga	Sw	velled he	Sheep:	2 ease Free		Eastern Cape	Western Cape	^ Northern Cape						
PROVINCE	Mpumalanga	Sw	velled he	Sheep: ad dis North	ease Free	Kwazulu-									
PROVINCE Average	Mpumalanga 2.0 (1)	Sw	velled he	Sheep: ad dis North	ease Free	Kwazulu-									

Average 1.3 (6) 1.5 (2) Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Beef 1.4 (5) 1.5 (2) Bairy 1.0 (1) Free State Bethlehem, Bethlehem Animal Hospital Beef: 1 Clocolan, Clocolan Dierekliniek Beef: 1, Dairy: 1 Ladybrand, Ladybrand / Excelsior Dierekliniek Beef: 2 Reitz, Riemland Dierekliniek Beef: 1 Villiers, Wilgepoort Dierekliniek Vennootskap Beef: 2 Kwazulu-Natal Mooi River, Mooirivier Vet Clinic Beef: 2 Underberg, Underberg Veterinary Surgery Beef: 1 Blood gut (Sheep)	Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported											
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Ladybrand, Ladybrand / Excelsior Dierekliniek Beef: 2							KIINIEK					
Reitz, Riemland Dierekliniek Beef: 1 Villiers, Wilgepoort Dierekliniek Vennootskap Beef: 2 Kwazulu-Natal Mooi River, Mooirivier Vet Clinic Beef: 2 Underberg, Underberg Veterinary Surgery Beef: 1 Blood gut (Sheep) PROVINCE Mpumalanga Gauteng Limpopo North West State Natal Cape 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) 1.7 (3) 1.5 (2) 2.0 (1)			Ladybya			-	n Dioroklim	iak				
Reitz, Riemland Dierekliniek Beef: 1 Villiers, Wilgepoort Dierekliniek Vennootskap Beef: 2 Kwazulu-Natal Mooi River, Mooirivier Vet Clinic Beef: 2 Underberg, Underberg Veterinary Surgery Beef: 1 Blood gut (Sheep) PROVINCE Mpumalanga Gauteng Limpopo North West State Natal Cape 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) 1.7 (3) 1.5 (2) 2.0 (1)			Lauybra	nu, Lauyd			or Dierekiiii	iek				
Beef: 1 Villiers, Wilgepoort Dierekliniek Vennootskap Beef: 2 Kwazulu-Natal Mooi River, Mooirivier Vet Clinic Beef: 2				Raitz Ric			liniok					
Villiers, Wilgepoort Dierekliniek Vennootskap Beef: 2 Kwazulu-Natal Mooi River, Mooirivier Vet Clinic Beef: 2 Underberg, Underberg Veterinary Surgery Beef: 1 Blood gut (Sheep) PROVINCE Mpumalanga Gauteng Limpopo North Mooi River, Mooirivier Vet Clinic Beef: 2 Underberg, Underberg Veterinary Surgery Beef: 1 Blood gut (Sheep) Average 2.0 (1) Limpopo North West State Kwazulu- Natal Eastern Cape Cape Ca				Reitz, Rie			iiiick					
Beef: 2 Kwazulu-Natal Mooi River, Mooirivier Vet Clinic Beef: 2			Villiers.	Wilgenoo			Vennootsk	an				
Kwazulu-Natal Mooi River, Mooirivier Vet Clinic Beef: 2 Underberg, Underberg Veterinary Surgery Beef: 1 Blood gut (Sheep) PROVINCE Mpumalanga Gauteng Limpopo North West State Natal Cape 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) 1.7 (3) 1.5 (2) 2.0 (1)				gepee								
Mooi River, Mooirivier Vet Clinic Beef: 2 Underberg, Underberg Veterinary Surgery Beef: 1 Blood gut (Sheep) PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu-Natal Cape Cape 1.7 (3) 1.5 (2) 2.0 (1) Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Sheep 2.0 (1) 1.7 (3) 1.5 (2) 2.0 (1)				Kv								
Beef: 2 Underberg, Underberg Veterinary Surgery Beef: 1 Blood gut (Sheep) PROVINCE Mpumalanga Gauteng Limpopo North West State Natal Eastern Cape 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) 1.7 (3) 1.5 (2) 2.0 (1)			N				t Clinic					
Beef: 1 Blood gut (Sheep) Mpumalanga Gauteng Limpopo North Free West State Natal Eastern Cape 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) 1.7 (3) 1.5 (2) 2.0 (1)												
PROVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu- Rastern Cape Cape Northern Cape Average 2.0 (1) 1.7 (3) 1.5 (2) 2.0 (1) Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Sheep 2.0 (1) 1.7 (3) 1.5 (2) 2.0 (1)			Under	berg, Und	erberg	Veterin	ary Surger	у				
PROVINCE Mpumalanga Gauteng Limpopo North West Free State Kwazulu-Natal Eastern Cape Western Cape Northern Cape Average 2.0 (1) 1.7 (3) 1.5 (2) 2.0 (1) Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Sheep 2.0 (1) 1.7 (3) 1.5 (2) 2.0 (1)												
Average 2.0 (1)			В	lood gut	(She	ep)				^		
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported Sheep 2.0 (1) 1.7 (3) 1.5 (2) 2.0 (1)	PROVINCE	Mpumalanga	Gauteng	Limpopo						Northern Cape		
reported Sheep 2.0 (1) 1.7 (3) 1.5 (2) 2.0 (1)	Average	2.0 (1)				1.7 (3)	1.5 (2)		2.0 (1)			
	Level of imp	ortance scale: 1	= one cas	e, 2 = more			but less than	ten and 3	= more tha	in 10 cases		
Mpumalanga	Sheep	2.0 (1)				1.7 (3)	1.5 (2)		2.0 (1)			
				M	Ipumala	anga						

	Standerton, Econovet											
Sheep: 2												
	Free State											
			Clocolan, (Clocolai	n Dierel	kliniek						
	Sheep: 2 Harrismith, Harrismith Dierehospitaal											
		Har	rismith, H			ehospitaal						
	Sheep: 2											
Wesselsbron, Wesselsbron Dierekliniek Sheep: 1												
Sneep: 1 Kwazulu-Natal												
Newcastle, Ncanduvet Newcastle												
Sheep: 2												
Underberg, Underberg Veterinary Surgery												
Sheep: 1												
			W	estern	Cape							
		Cale	don, Over			y Hospital						
				Sheep:	2							
			Teta	nus					^			
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape			
Average					2.0 (1)	1.2 (5)						
Level of imp	ortance scale: 1	= one cas	e, 2 = more	e than or reporte		but less than	ten and 3	= more tha	n 10 cases			
Sheep					2.0 (1)	1.3 (3)						
Goat					- ()	1.0 (2)						
				Free St	ate	- (/						
		Har	rismith, H			ehospitaal						
			,	Sheep:		-						
			Kv	vazulu-	Natal							
			Bergville	e, Tugel	a Vet C	linic						
				Sheep:								
			Dundee, M	_		y Clinic						
			Eates+	Sheep:		ninia.						
			Estcourt,	eep: 1, G		LIIIIC						
		N	ewcastle,	-		wcastle						
				Goat:								
			Salmon	nellosi	s				^			
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape			
Average	2.0 (1)				2.0 (1)	1.0 (1)			3.0 (1)			
Level of imp	ortance scale: 1	= one cas	e, 2 = more	e than or reporte		but less than	ten and 3	= more tha	in 10 cases			
Beef					2.0 (1)	1.0 (1)						
Dairy	2.0 (1)					- (·)						
Sheep	(1)								3.0 (1)			
Эпсер	l								0.0 (1)			

Mpumalanga												
Nelspruit, Nelspruit Animal Hospital												
				Dairy:								
Free State												
Vrede, Vrede Dierehospitaal Beef: 2												
Kwazulu-Natal												
Pietermaritzburg, Richmond Veterinay Clinic												
Beef: 1												
	Northern Cape Kimberley, Kimberley Dierekliniek											
		N.	illiberiey, i	Sheep:	_	CKIIIICK						
		Salmoneli	la diarrhoea	•		utritional prob	nlem					
	В		ucellosi				JICH1		^			
					_							
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Cape	Western Cape	Northern Cape			
Average	1.5 (2)		1.0 (1)	2.0 (2)	2.2 (9)		2.0 (1)					
Level of imp	ortance scale: 1	= one cas	e, 2 = more	e than or reporte		but less than	ten and 3	= more tha	in 10 cases			
Beef	1.5 (2)		1.0 (1)	2.0 (2)	2.4 (7)							
Dairy		•			1.5 (2)		2.0 (1)					
			N	1pumala	anga		. ,					
			Balfour, l	-		liniek						
			Danieur, I	Beef:								
		(rootvlei, (Grootyle	- ei Diere	ekliniek						
				Beef:								
				Limpo	ро							
			Mokopa			isser						
				Beef:	1							
				North W	/est							
		Chi	ristiana, Cl	hristian	a Diere	hospitaal						
				Beef:								
			Stella, S			niek						
				Beef:								
				Free St								
		Bultfon	tein, Grey			espreekkam	er					
			Classis :	Beef:		lelimi a le						
			Clocolan, (кипіек						
			ewetsdorp	Dairy:		akliniak						
		D	ewelsaorp	Beef:	-	CKIIIIIEK						
		-	rankfort			ekliniek						
	Frankfort, Frankfort Dierekliniek											
Beef: 3 Hoopstad, Hoopstad Dierekliniek												
Beef: 3												
Ladybrand, Ladybrand / Excelsior Dierekliniek												
		,	, ===,=	Beef:								
Viljoenskroon, Viljoenskroon Dierekliniek												
			,	Beef:								
		Villiers,	Wilgepoo	rt Diere	kliniek	Vennootsk	ар					

Beef: 3, Dairy: 1											
				astern (
		Al	exandria,		_	otaieter					
				Dairy:							
		On	one farm, 8	-		le positive					
	(Ovine b	rucellosi	s (<i>Bru</i>	cella (ovis)			^		
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Average									2.0 (3)		
Level of imp	ortance scale: 1	= one cas	e, 2 = more	e than or reporte		but less than	ten and 3	= more tha	ın 10 cases		
Shoon				-p					2.0 (3)		
Sheep					•				2.0 (3)		
				orthern		delimie I-					
			Calvinia, Ca	Sheep:		KIINIEK					
			De Aar, De	-		v Clinic					
			oc Adi, De	Sheep:		, cirric					
T	ested 2 rams in	Victoria We	est with lesi	-		e. Rev 1 vac	cine was n	ot available			
			ington, Up								
				Sheep:	3						
Tes	sted 40 rams on	one farm,	more than	50 % po	sitive. S	Serious proble	em in comr	mercial herd	s.		
Johne`s disease											
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Average					1.0 (1)	1.0 (1)	1.0 (1)	1.0 (1)			
Level of imp	ortance scale: 1	= one cas	e, 2 = more	e than or reporte		but less than	ten and 3	= more tha	in 10 cases		
Beef						1.0 (1)					
Sheep					1.0 (1)		1.0 (1)	1.0 (1)			
				Free St			(1)	(1)			
		Villiers				Vennootsk	ap				
		c. 3/		Sheep:							
			Dohne Ram			e State					
			Kv	vazulu-	Natal						
			Dundee, E			health					
				Beef:							
				astern (_						
			Aliwal Nor			roskie					
			34/	Sheep:							
		Vrod		estern redenhi		rehospitaal					
		VIEU	Cibuig, Vi	Sheep:		ciiospitadi					
			Pseudo						^		
PROVINCE	Mpumalanga	Gauteng	Limpopo	North	Free	Kwazulu-	Eastern	Western	Northern		

				West	State	Natal	Cape	Саре	Саре		
Average						3.0 (1)					
Level of imp	ortance scale: 1	= one cas	e, 2 = more	e than oi reporte		but less than	ten and 3	= more tha	ın 10 cases		
Beef						3.0 (1)					
				wazulu-							
	Pongola, Pongola Animal Clinic Beef: 3										
Pseudomono	lysis due to <i>Psei</i>	udomonas	aeruginosa			l naralysis sy	ndrome H	uge nrohlen	n in Pongola		
1 Scadomono	19313 due to 7 3ct	duomonas	acraginosa	area		i pararysis sy	naronic. 11	age problem	i iii i origola		
			Seption	cemia					^		
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Average					1.0 (1)		2.0 (1)	2.0 (1)			
									40		
Level of imp	ortance scale: 1	= one cas	e, 2 = more	e than oi reporte		but less than	ten and 3	= more tha	n 10 cases		
Beef							2.0 (1)				
Dairy					1.0 (1)			2.0 (1)			
			Clocolan,	Free St		kliniak					
			Ciocolani,	Dairy:		KIIIIICK					
			E	astern							
		Port	Alfred, Po			inary Clinic					
			Septicemia	Beef:		E coli					
				lli caive /estern		L. COII					
		Stellenb				ary Laborat	ory				
				Dairy:							
Paarl area: Samples from four calves from the same farm yielded <i>Pasteurella multocida</i> in combination with other bacteria. One calf that presented with omphalophlebitis also yielded <i>Trueperella pyogenes, Staphylococcus</i> species, <i>E. coli</i> and a <i>Salmonella</i> I. Isolation of a variety of bacteria in such a case is not uncommon because infection comes from the environment of the calf. In addition <i>Trueperella pyogenes</i> was isolated from a lung sample of another calf.											
			E. 0	coli					^		
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		

E. coli											
PROVINCE	Mpumalanga	Ipumalanga Gauteng Limpopo North Keet State Kwazulu- Cape Western Cape Cape									
Average	1.5 (2)	2.0 (1)		1.3 (3)	2.1 (7)	2.0 (3)	1.3 (3)				
Level of imp	ortance scale: 1	= one cas	e, 2 = more	e than or reporte		but less than	ten and 3	= more tha	in 10 cases		
Beef	1.5 (2)	2.0 (1)			1.7 (3)	3.0 (1)	1.5 (2)				
Dairy					2.0 (1)	1.5 (2)	1.0 (1)				
Sheep 1.3 (3) 2.7 (3)											
Mpumalanga											

	Balfour, Balfour Dierekliniek									
			Bairour,	Bairour Beef:		liniek				
			Ctond			~				
			Stand	lerton, I Beef:		EL				
				Gaute						
		Ranc	fontoin R			rehospitaal				
		ьарэ	iontem, b	Beef:		renospitaai				
				North W						
		Chi	ristiana, Cl			hosnitaal				
		Çiii	isciaria, Ci	Sheep:		лоэрнааг				
		Leeudo	ringstad. I	-		d Diereklini	ek			
			gotaa, .	Sheep:		. D.O. G.	<u> </u>			
		La	mbs died w	-		eek of life				
			ntersdorp,							
				Sheep:						
				Free St						
			Clocolan,	Clocolai	1 Diere	kliniek				
			•	ef: 1, Sh						
		Ficks			•	e Produkte				
				Dairy:						
		Н	loopstad,	Hoopsta	d Dier	ekliniek				
				Sheep:	3					
		Kro	onstad, K	roonsta	d Diere	hospitaal				
				Sheep:	2					
		Viljoe	enskroon, \	Viljoens	kroon	Dierekliniel	(
				Beef:	2					
			Zastron, 2	Zastron	Dierek	liniek				
				Beef:	2					
			Kv	wazulu-	Natal					
			Estcourt,	, Estcou	rt Vet (Clinic				
				Dairy:						
		P	Mooi River	, Mooiri	vier Ve	t Clinic				
				Dairy:						
		Pietern	naritzburg			terinay Clir	nic			
				Beef:						
				astern (
			Aliwal Nor	-	-	Troskie				
				Beef:			_			
		Humar	nsdorp, Hu		-	erinary Clin	ic			
				Dairy:						
		Port	Alfred, Po			inary Clinic				
			.	Beef:		- "				
			Septicemia	ı ın caive	s due to	E.COII				
		E	nzootic	Aborti	on				^	
PROVINCE	Mpumalanga	Gautena	Limpono	North	Free	Kwazulu-				
. INO VIINOL	paaiaiiga	Judicing	popo	West	State	Natal	Cape	Cape	Cape	
Average		1.0 (1)			3.0 (2)					
Level of imp	Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases									
				reporte	ed					

3.0 (2)

Sheep

Goat		1.0 (1)									
Gode		1.0 (1)		Gaute	na						
		Bronk	horstspru		_	Dierekliniel	ζ				
			•	Goat:							
	Free State										
	Bultfontein, Greylingsrust Dierespreekkamer										
Sheep: 3											
Kroonstad, Kroonstad Dierehospitaal Sheep: 3											
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 imp	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)				
			E	astern (Саре						
		Middel	burg (EC),	Steyns	burg D	ierehospita	al				
				Sheep:	2						
		Int	rauterin	e Gang	grene				^		
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Average	1.0 (1)										
Level of imp	ortance scale: 1	= one cas	e, 2 = more	e than or reporte		but less than	ten and 3	= more tha	n 10 cases		
Sheep	1.0 (1)										
			M	Ipumala	anga						
		G	Grootvlei, (Grootvl	ei Diere	ekliniek					
				Sheep:	1						
			Oth	ner					^		
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Average	2.0 (1)		1.0 (1)				1.0 (1)				
Level of imp	ortance scale: 1	= one cas	e, 2 = more	than or reporte		but less than	ten and 3	= more tha	n 10 cases		
Beef 1.0 (1)											
Dairy			1.0 (1)								
Goat	2.0 (1)										
			M	Ipumala	anga						
		Ne		İspruit	Anima	l Hospital					
	Nelspruit, Nelspruit Animal Hospital Goat: 2										

Doctourollogie in language trides not versioneted											
Pasteurellosis in kraaled goat kids: not vaccinated. Limpopo											
			ola-Pola I		_	okliniek					
			ela-Bela, \	Dairy:		ekiiiiek					
			Cowy			ic					
	Cow with a pericarditis Eastern Cape										
Port Alfred, Port Alfred Veterinary Clinic											
Beef: 1											
Clostridial pharyngeal myositis in cattle grazing on pineapple plants.											
	Protozoal diseases (other)										
	Coccidiosis										
PROVINCE	PROVINCE Mpumalanga Gauteng Limpopo North Free West State Natal Eastern Cape Cape										
Average	2.0 (1)	2.0 (1)			2.0 (7)	1.5 (4)	2.0 (1)	1.5 (2)	3.0 (1)		
Level of imp	ortance scale: 1	= one cas	e, 2 = more			but less than	ten and 3	= more tha	ın 10 cases		
				reporte		4.0 (1)					
Beef					1.0 (1)	. ,					
Dairy					3.0 (1)						
Sheep	2.0 (1)	2.0 (1)			2.0 (5)		2.0 (1)	1.5 (2)	3.0 (1)		
Goat						1.7 (3)					
			M	1pumala	anga						
				lerton, l		et					
				Sheep:	: 2						
				Gaute	ng						
		Pretoria	a, Anima V	eterina	ry Cons	sulting Roo	ms				
				Sheep:	: 2						
				Free St	ate						
			Clocolan,								
				, Dairy: 3							
		F	rankfort,			ekliniek					
				Sheep:							
		Kro	onstad, K			nospitaal					
		V:II:	Wilsons	Sheep:		Vonnastel	7 0				
		villers,	wiigepoo	Sheep:		Vennootsk	ap				
		Wes	selshron V	•		ierekliniek					
		11 63		Sheep:							
			Kv	wazulu-							
			Estcourt			Clinic					
				Goat:		-					
		Mt	ubatuba, N	4tubat u	ıba Aniı	mal Clinic					
	Mtubatuba, Mtubatuba Animal Clinic Goat: 1										
	Pongola, Pongola Animal Clinic										
	Beef: 1, Goat: 1										
				astern			_				
		Middel	burg (EC),			ierehospita	al				
			, .	Sheep:							
	Western Cape Darling, Darling Dierekliniek										
			pariing, l	variing	Dierek	iiniek					

Sheep: 2
George, George Animal Hospital
Sheep: 1
Northern Cape
Kimberley, Kimberley Dierekliniek
Sheep: 3
Coccidia diarrhoea

Sheep: 3										
Coccidia diarrhoea										
			Fun	gal di	sease	S				
			Ringv	worm					^	
				N a set la	Fue	K aramala.	Fo alsour	Wastern	Ni a sabila a susa	
PROVINCE	Mpumalanga	Gauteng	Limpopo		Free State	Kwazulu- Natal	Cape	Cape	Northern Cape	
Average	2.0 (1)			2.0 (1)	2.0 (2)	1.4 (5)	1.5 (4)	1.0 (1)		
Level of imp	ortance scale: 1	= one cas	e, 2 = more	e than or reporte		but less than	ten and 3	= more tha	n 10 cases	
Beef	2.0 (1)			2.0 (1)	2.0 (2)	1.0 (3)	1.3 (3)			
Dairy	(.)			(.)	_: (_)	2.0 (1)	2.0 (1)	1.0 (1)		
Sheep						2.0 (1)		(1)		
			N	1pumala	anga	- ()				
		•	rootvlei, (-		kliniek				
				Beef:						
			I	North W	/est					
		Chi	ristiana, Cl	hristian	a Diere	hospitaal				
				Beef:	2					
				Free St						
			Reitz, Rie			liniek				
		× e*1 *		Beef:		<u> </u>				
		Viljoe	nskroon, \			Dierekliniek	<u> </u>			
			V.	Beef: wazulu-						
		Re	rgville, Be			ary Clinic				
			igville, be	Beef:		ary Cillic				
			Estcourt			Clinic				
				Dairy:						
		Mt	ubatuba, N			mal Clinic				
				Beef:	1					
		N	ewcastle,			wcastle				
				Sheep:						
			Pongola, F			l Clinic				
			_	Beef:						
		Graaff		astern (terinary Clir	aic			
		Giadii	Keniet, Gr	Beef:		cermany Cili	IIC .			
		Humar	sdorp. Hu			erinarv Clin	ic			
Humansdorp, Humansdorp Veterinary Clinic Dairy: 2										
		Middel	burg (EC),			ierehospita	al			
				Beef:		•				
		Queen	stown, Qu			erinary clini	ic			
Beef: 1										
			W	estern/	Cape					

Stellenbosch, Stellenbosch Animal Hospital Dairy: 1											
	Viral Diseases (other)										
			ВМ	1C					^		
PROVINCE	Mpumalanga	Gauteng	Limpopo		Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Average	Average 2.0 (3) 2.0 (2) 1.5 (2) 2.0 (1) 1.0 (1)										
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 case reported											
Beef			2.0 (3)	2.0 (2)	1.5 (2)	2.0 (1)	1.0 (1)				
				Limpo							
	Bela-Bela, Warmbad Dierekliniek										
				Beef:							
		T۱	wo bulls adj								
			Mokopa	Beef:		sser					
		Vaalv	water, Vaa			reekkamer					
			,	Beef:							
			Nine cases	•		armer					
				North W							
		Chi	ristiana, Cl	hristian Beef:		hospitaal					
		Klei	rksdorn K			ehospitaal					
		IXIC	Rodorp, R	Beef:	_	ciioopitaai					
	Seve	re BMC out	break on fa	rm adjad	ent to g	jame farms ii	n the area.				
				Free St							
		Har	rismith, H			ehospitaal					
		Vuo	onstad, K	Beef:	_	hospitaal					
		Krc	vuistaü, K	roonsta Beef:	_	nospitaai					
			Kv	wazulu-							
			Dundee, E	ndumer	ni Herd	health					
				Beef:							
		Wildeb			_	to game farm	١.				
		Stutte		astern (utterhei		rinary Clini	c				
		Statte	, 3 tt	Beef:		y Cilili	_				
			Rat						^		
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											
Dality	Dairy 1.0 (1)										

Kwazulu-Natal

Mooi River, Mooirivier Vet Clinic											
Dairy: 1											
		BVD (I	Bovine v	iral dia	arrhoe	ea)			^		
									_		
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Average					1.3 (3)	2.0 (1)		1.0 (1)			
Level of imp	Level of importance scale: $1 = $ one case, $2 = $ more than one case but less than ten and $3 = $ more than 10 case reported										
Beef					1.3 (3)	2.0 (1)		1.0 (1)			
				Free St							
		D	ewetsdorp	o, Platk Beef:	_	ekliniek					
		Fick	sburg, Oos		_	e Produkte					
				Beef:	2						
		Villiers,	Wilgepoo			Vennootsk	ар				
			Kv	Beef: vazulu-							
		K	Kokstad, E.			Services					
				Beef:							
				estern	_						
		Cale	edon, Over			y Hospital					
				Beef:	_						
	IBR	(Infect	ious bov	ine rh	inotra	cheitis)			<u>^</u>		
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Average		1.0 (1)			2.0 (4)	2.0 (6)	1.5 (2)				
Level of imp	oortance scale: 1	= one cas	e, 2 = more	e than or reporte		but less than	ten and 3	= more tha	n 10 cases		
Beef		1.0 (1)			2.3 (3)	2.0 (5)	1.5 (2)				
Dairy					1.0 (1)	2.0 (1)					
				Gaute							
		Bronl	chorstspru	-		Dierekliniel	(
				Beef: Free St							
		Bultfor				spreekkam	er				
				Beef:	2						
			Memel, Me			y Clinic					
			Vrede, V	Beef: rede Die		oitaal					
				ef: 2, Da		uul					
Kwazulu-Natal											
Dundee, Mpati Veterinary Clinic											
		Torre	Can Y	Beef:		anculta					
		inge	yo, den X	Beef:		onsultancy					
Kokstad, E.G.Veterinary Services											
			,								

Beef: 2										
Mooi River, Mooirivier Vet Clinic										
				Dairy:			-			
Pietermaritzburg, Richmond Veterinay Clinic Beef: 3										
Underberg, Underberg Veterinary Surgery										
Beef: 2										
Eastern Cape										
Alexandria, Dr Thys (MJ) Potgieter										
Beef: 2										
	Calves - 7 to 8 months old									
			Aliwal Nor	th, Uits Beef:		roskie				
					1					
			P)	[3					^	
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average					1.0 (1)					
Level of imp	ortance scale: 1	= one cas	se, 2 = more	e than or reporte		but less than	ten and 3	= more tha	n 10 cases	
Beef					1.0 (1)					
				Free St	· · /					
Free State Wesselshron Wesselshron Dierekliniek										
Wesselsbron, Wesselsbron Dierekliniek Beef: 1										
		Wes	selsbron, \			ierekliniek				
			selsbron, \	Beef:	1				^	
PROVINCE	Mpumalanga	Enzooti	c Bovine	Beef: Leuco North	1 osis (E		Eastern Cape	Western Cape	^ Northern Cape	
PROVINCE Average	Mpumalanga	Enzooti	c Bovine	Beef: Leuco North	1 osis (E Free	BL) Kwazulu-				
Average	Mpumalanga ortance scale: 1	Enzooti Gauteng 1.0 (1)	c Bovine	Beef: North West 2.0 (1)	osis (E Free State	Kwazulu- Natal 2.0 (2)	Cape 2.0 (1)	Cape	Cape	
Average		Enzooti Gauteng 1.0 (1)	c Bovine	Beef: Leuco North West 2.0 (1) e than or	osis (E Free State	Kwazulu- Natal 2.0 (2)	Cape 2.0 (1)	Cape	Cape	
Average Level of imp		Gauteng 1.0 (1) = one cas	c Bovine	Beef: Leuco North West 2.0 (1) e than or	1 Pree State The case ed	Kwazulu- Natal 2.0 (2)	Cape 2.0 (1)	Cape	Cape	
Average Level of imp	ortance scale: 1	Gauteng 1.0 (1) = one cas 1.0 (1)	Limpopo Se, 2 = more	North West 2.0 (1) than or reporte 2.0 (1) Gauter	psis (E Free State	Kwazulu- Natal 2.0 (2) but less than	2.0 (1) ten and 3	Cape = more tha	Cape	
Average Level of imp		Gauteng 1.0 (1) = one cas 1.0 (1)	Limpopo Se, 2 = more	North West 2.0 (1) e than or reporte 2.0 (1) Gautermic Hos	psis (E Free State ne case ed	Kwazulu- Natal 2.0 (2) but less than	2.0 (1) ten and 3	Cape = more tha	Cape	
Average Level of imp	ortance scale: 1	Gauteng 1.0 (1) = one cas 1.0 (1)	Limpopo se, 2 = more	North West 2.0 (1) e than or reported 2.0 (1) Gauter mic Hose Beef:	Free State ne case ed	Kwazulu- Natal 2.0 (2) but less than	2.0 (1) ten and 3	Cape = more tha	Cape	
Average Level of imp	ortance scale: 1	Gauteng 1.0 (1) = one cas 1.0 (1)	Limpopo ee, 2 = more	North West 2.0 (1) e than or reporte 2.0 (1) Gauter mic Hos Beef: North W	Free State ne case ed pital and 1 Vest	Kwazulu- Natal 2.0 (2) but less than 2.0 (2) and Production	2.0 (1) ten and 3	Cape = more tha	Cape	
Average Level of imp	ortance scale: 1	Gauteng 1.0 (1) = one cas 1.0 (1)	Limpopo se, 2 = more	North West 2.0 (1) than or reporte 2.0 (1) Gauter mic Hose Beef: North W Buffels	Free State ne case ed ng pital and lest vest velocities	Kwazulu- Natal 2.0 (2) but less than 2.0 (2) and Production	2.0 (1) ten and 3	Cape = more tha	Cape	
Average Level of imp	ortance scale: 1	Gauteng 1.0 (1) = one cas 1.0 (1)	Limpopo Se, 2 = more	North West 2.0 (1) e than or reporte 2.0 (1) Gauter mic Hos Beef: North W	Free State ne case ed ng pital au 1 /est vlei Die	Kwazulu- Natal 2.0 (2) but less than 2.0 (2) and Production	2.0 (1) ten and 3	Cape = more tha	Cape	
Average Level of imp	ortance scale: 1	Gauteng 1.0 (1) = one cas 1.0 (1) nderstepo	Limpopo Se, 2 = more	North West 2.0 (1) e than or reporte 2.0 (1) Gauter mic Hos Beef: North W Buffels Dairy: wazulu- ndumer	Free State ne case ed pital and 1 /est vlei Die 2 Natal ni Herd	Kwazulu- Natal 2.0 (2) but less than 2.0 (2) nd Production	2.0 (1) ten and 3	Cape = more tha	Cape	
Average Level of imp	ortance scale: 1	Gauteng 1.0 (1) = one cas 1.0 (1) nderstepo	c Bovine Limpopo e, 2 = more ort Acader ntersdorp, Kv Dundee, E	North West 2.0 (1) than or reporte 2.0 (1) Gauter mic Hos Beef: North W Buffels Dairy: wazulu- ndumer Dairy:	Free State ne case ed ng pital and 1 /est vlei Die 2 Natal ni Herd 2	Kwazulu- Natal 2.0 (2) but less than 2.0 (2) de Production	2.0 (1) ten and 3	Cape = more tha	Cape	
Average Level of imp	ortance scale: 1	Gauteng 1.0 (1) = one cas 1.0 (1) nderstepo	Limpopo Se, 2 = more Fort Acade	North West 2.0 (1) e than or reporte 2.0 (1) Gauter mic Hos Beef: North W Buffels Dairy: wazulu- ndumer Dairy: , Estcou	Free State Free State ne case ed pital and 1 /est vlei Die 2 Natal ni Herd 2 rt Vet (Kwazulu- Natal 2.0 (2) but less than 2.0 (2) de Production	2.0 (1) ten and 3	Cape = more tha	Cape	
Average Level of imp	ortance scale: 1	Gauteng 1.0 (1) = one cas 1.0 (1) nderstepo	Limpopo Se, 2 = more Fort Acadel Intersdorp, Ku Dundee, E Estcourt,	North West 2.0 (1) e than or reporte 2.0 (1) Gauter mic Hos Beef: North W Buffels Dairy: wazulu- ndumer Dairy: pairy: pairy:	Free State Free State ne case ed ng pital an 1 /est vlei Die 2 Natal ni Herd 2 rt Vet (2	Kwazulu- Natal 2.0 (2) but less than 2.0 (2) de Production	2.0 (1) ten and 3	Cape = more tha	Cape	
Average Level of imp	ortance scale: 1	Gauteng 1.0 (1) = one cas 1.0 (1) nderstepo	Limpopo ie, 2 = more ort Acade ntersdorp, Kv Dundee, E Estcourt,	North West 2.0 (1) e than or reporte 2.0 (1) Gauter mic Hos Beef: North W Buffels Dairy: wazulu- ndumer Dairy: pairy: astern (Free State Free State ne case ed pital and fest velocity Die Natal hi Herd 2 rt Vet 0 2 Cape	Kwazulu- Natal 2.0 (2) but less than 2.0 (2) nd Production	2.0 (1) ten and 3 2.0 (1) on Anima	Cape = more tha	Cape	
Average Level of imp	ortance scale: 1	Gauteng 1.0 (1) = one cas 1.0 (1) nderstepo	Limpopo ie, 2 = more ort Acade ntersdorp, Kv Dundee, E Estcourt,	North West 2.0 (1) e than or reporte 2.0 (1) Gauter mic Hos Beef: North W Buffels Dairy: wazulu- ndumer Dairy: pairy: astern (Free State State ne case ed ng pital and fest vlei Die 2 Natal ni Herd 2 rt Vet (2 Cape Drp Vet	Kwazulu- Natal 2.0 (2) but less than 2.0 (2) de Production	2.0 (1) ten and 3 2.0 (1) on Anima	Cape = more tha	Cape	

			Jaags	iekte					<u>^</u>	
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average				1.0 (1)		2.0 (1)	3.0 (1)			
Level of imp	ortance scale: 1	L = one cas	e, 2 = more	e than or reporte		but less than	ten and 3	= more tha	n 10 cases	
Sheep				1.0 (1)		2.0 (1)	3.0 (1)			
				North W	/est					
			Schweize			leyns				
	On a flerale N	4	and the second state of	Sheep:		و مان داد داد داد داد داد داد داد داد داد د		I		
	One flock, N	derino cross		ın, some vazulu-		died with co	nsolidated	iungs.		
		K	okstad, E.			Services				
				Sheep:	2					
				astern (. , .	•			
		Middel	burg (EC),	Steyns : Sheep:		ierehospita	al			
			Barkly E	•		clear				
			0	П						
PROVINCE	Mpumalanga	Gauteng	Limpopo		Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average	1.3 (4)	3.0 (1)		2.0 (1)	2.0 (2)	2.0 (2)	1.0 (1)	2.0 (2)		
Level of imp	oortance scale: 1	l = one cas	e, 2 = more	e than or reporte		but less than	ten and 3	= more tha	ın 10 cases	
Sheep	1.0 (2)	3.0 (1)			2.0 (2)	3.0 (1)		2.0 (2)		
Goat	1.5 (2)			2.0 (1)		1.0 (1)	1.0 (1)			
			M	1pumala	anga					
			Bethal,			niek				
			Proofuloi (Sheep:		kliniok				
			Grootvlei, (Sheep:		KIIIIEK				
		Midd	lelburg , M			rehospitaal				
				Goat:		•				
		Ne	Ispruit, Ne			Hospital				
			N.I.	Goat:						
			Non-	-vaccinat Gaute						
		Pretoria	a, Anima V			sulting Room	ms			
			,	Sheep:						
North West										
Christiana, Christiana Dierehospitaal										
				Goat:						
		Vro		Free St		hospitaal				
Kroonstad, Kroonstad Dierehospitaal Sheep: 2										
		Ladybra	nd, Ladyb	-		or Diereklin	iek			
		•		-						

Sheep: 2										
Kwazulu-Natal										
			Estcourt			Clinic				
			LSCCOUIC	Goat:						
	Newcastle, Ncanduvet Newcastle									
Sheep: 3										
Eastern Cape										
Graaff-Reinet, Graaff Reinet Veterinary Clinic										
Goat: 1										
Western Cape										
Western Cape Oudtshoorn, Ostrimed										
	Sheep: 1									
	Piketberg, Piketberg Dierehospitaal									
				Sheep:	3					
			Wa	rte					^	
			vv a						_	
				North	Free	Kwazulu-	Factorn	Western	Northern	
PROVINCE	Mpumalanga	Gauteng	Limpopo	West		Natal	Cape	Cape	Cape	
					54445		Сирс	Сирс	Cupo	
Average	1.0 (1)		2.0 (1)	1.0 (1)	1.5 (4)	1.8 (4)	1.0 (2)	1.0 (2)		
Level of imp	ortance scale: 1	= one cas	e, 2 = more	e than or reporte		but less than	ten and 3	= more tha	n 10 cases	
	4.0 (4)		0.0 (4)			4.0 (4)	4.0.(0)	4.0 (4)		
Beef	1.0 (1)		2.0 (1)	1.0 (1)	1.0 (2)	1.8 (4)	1.0 (2)	1.0 (1)		
Dairy								1.0 (1)		
Sheep					3.0 (1)					
Goat					1.0 (1)					
			M	1pumala	anga					
		G	irootvlei, (Grootvle	ei Diere	kliniek				
				Beef:	1					
				Limpo						
			Mokopa	-		sser				
				Beef:						
				North W						
		Chr	istiana, C			nospitaal				
				Beef:						
		Dati		Free St		al Hearital				
		весп	ilenem, Be	Beef:		al Hospital				
			Clocolan, (kliniek				
			Ciocolaii, (Sheep:		CR				
			Reitz, Rie	-		liniek				
			/ IXI	Beef:						
		Wes	selsbron.			ierekliniek				
			,	Goat:						
			Kv	wazulu-						
	Bergville, Bergville Veterinary Clinic									
Beef: 2										
		l	Dundee, E	ndumer	ni Herd	health				
Beef: 2										
Mtubatuba, Mtubatuba Animal Clinic										
Beef: 2										
	Pongola, Pongola Animal Clinic									

Beef: 1											
Eastern Cape											
	Middelburg (EC), Steynsburg Dierehospitaal Beef: 1										
Queenstown, Queenstown Veterinary clinic											
Beef: 1											
Western Cape											
Oudtshoorn, Ostrimed											
Beef: 1											
Stellenbosch, Stellenbosch Animal Hospital											
Dairy: 1 Sheep leucosis											
Sheep leucosis 2											
PROVINCE	OVINCE Mpumalanga Gauteng Limpopo West State Kwazulu- Eastern Cape Cape North										
Average							3.0 (1)				
Level of imp	ortance scale: 1	= one cas	e, 2 = more	e than or reporte		but less than	ten and 3	= more tha	n 10 cases		
Sheep							3.0 (1)				
			E	astern (Саре						
		Middel				ierehospita	al				
				Sheep:	: 3						
Poisonings (Plant) and Fungal											
	Cardiac glycoside poisoning										
									^		
PROVINCE	Mpumalanga	Cardia	ac glycos	side po			Eastern Cape	Western Cape	^ Northern Cape		
PROVINCE Average	Mpumalanga	Cardia	ac glycos	side po	oisonii Free	ng Kwazulu-					
Average	Mpumalanga ortance scale: 1	Cardia Gauteng	ac glycos Limpopo	North West	Free State 2.0 (1) ne case	ng Kwazulu- Natal	Cape	Cape	Cape		
Average		Cardia Gauteng	ac glycos Limpopo	North West	Free State 2.0 (1) ne case	Kwazulu- Natal but less than	Cape	Cape	Cape		
Average Level of imp		Cardia Gauteng	Limpopo e, 2 = more	North West	Free State 2.0 (1) ne case ed 2.0 (1)	Kwazulu- Natal but less than	Cape	Cape	Cape		
Average Level of imp		Gauteng = one cas	Limpopo e, 2 = more	North West than or reporte	Free State 2.0 (1) ne case ed 2.0 (1)	Kwazulu- Natal but less than	Cape	Cape	Cape		
Average Level of imp		Gauteng = one cas	Limpopo e, 2 = more	North West than or reporte	Free State 2.0 (1) ne case ed 2.0 (1) ate d Diere	Kwazulu- Natal but less than	Cape	Cape	Cape		
Average Level of imp		Gauteng = one cas	Limpopo e, 2 = more	North West than or reporte	Free State 2.0 (1) ne case ed 2.0 (1) ate d Diere	Kwazulu- Natal but less than	Cape	Cape	Cape		
Average Level of imp Dairy		Gauteng E one cas	Limpopo e, 2 = more	North West than or reporte Free St roonsta Dairy:	Free State 2.0 (1) ne case ed 2.0 (1) ate d Diere	Kwazulu- Natal but less than	Cape ten and 3	Cape	Cape		
Average Level of imp Dairy	ortance scale: 1	Gauteng E one cas	Limpopo e, 2 = more	North West than or reporte Free St roonsta Dairy:	Free State 2.0 (1) The case ed 2.0 (1) The case ed 2.0 (1) The case ed 2.0 (2) The case ed 2.0 (1)	Kwazulu- Natal but less than	Cape ten and 3	Cape = more that Western	Cape an 10 cases A Northern		
Average Level of imp Dairy PROVINCE Average	ortance scale: 1	Gauteng E one cas Kro Gauteng 2.0 (1)	Limpopo e, 2 = more constad, Kr	North West than or reporte Free St roonsta Dairy: Trum North West	Free State 2.0 (1) The case ed 2.0 (1) The case ed 2.0 (1) The case at the	Kwazulu- Natal but less than	ten and 3 Eastern Cape	Cape = more that Western Cape	Cape an 10 cases Northern Cape		
Average Level of imp Dairy PROVINCE Average Level of imp	ortance scale: 1	Gauteng Gauteng Gauteng 2.0 (1) = one cas	Limpopo e, 2 = more constad, Kr	North West than or reporter Free Stroonstan Dairy: trum North West	Free State 2.0 (1) ne case ed 2.0 (1) ate d Diere 2 Free State 3.0 (1) ne case ed	Kwazulu- Natal but less than chospitaal Kwazulu- Natal	ten and 3 Eastern Cape	Cape = more that Western Cape	Cape an 10 cases Northern Cape		
Average Level of imp Dairy PROVINCE Average	ortance scale: 1	Gauteng E one cas Kro Gauteng 2.0 (1)	Limpopo e, 2 = more constad, Kr	North West e than or reporter Free Stroonsta Dairy: Trum North West e than or reporter	Free State 2.0 (1) The case and case a	Kwazulu- Natal but less than chospitaal Kwazulu- Natal	ten and 3 Eastern Cape	Cape = more that Western Cape	Cape an 10 cases Northern Cape		
Average Level of imp Dairy PROVINCE Average Level of imp	ortance scale: 1	Gauteng Kro Gauteng 2.0 (1) = one cas 2.0 (1)	Limpopo e, 2 = more constad, Kr Cest Limpopo e, 2 = more	North West e than or reporter Free Stroonstar Dairy: Trum North West e than or reporter Gaute	Free State 2.0 (1) ne case ed 2.0 (1) ate d Diere 2 Free State 3.0 (1) ne case ed 3.0 (1) ng	Kwazulu- Natal but less than chospitaal Kwazulu- Natal	ten and 3 Eastern Cape ten and 3	Cape = more that Western Cape	Cape an 10 cases Northern Cape		

Beef: 2										
Free State Ladybrand, Ladybrand / Excelsior Dierekliniek										
Beef: 3										
		Су	nanchun	7 poiso	oning				<u>^</u>	
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										
Beef	reported Beef 3.0 (1)									
				North W						
		Leeudo	-			d Diereklini	ek			
				Beef:						
			Facial e	eczem	a				^	
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average					2.0 (2)					
Level of imp	ortance scale: 1	. = one cas	e, 2 = more	e than or reporte		but less than	ten and 3	= more tha	n 10 cases	
Dairy					2.0 (1)					
Sheep					2.0 (1)					
				Free St		12 2 - 1-				
			Reitz, Rie	Sheep:		ІІПІЕК				
			Zastron,			liniek				
				Dairy:	2					
			Lant	tana					^	
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average						2.0 (1)	2.0 (1)			
Level of imp	ortance scale: 1	= one cas	e, 2 = more	e than or reporte		but less than	ten and 3	= more tha	n 10 cases	
Beef						2.0 (1)	2.0 (1)			
			Kv	wazulu-	Natal					
Bergville, Bergville Veterinary Clinic										
Beef: 2										
Eastern Cape Alexandria, Dr Thys (MJ) Potgieter										
	Alexandria, Dr Thys (MJ) Potgieter Beef: 2									
Beef: 2										

		1	Nitrate p	oisoni	ng				^		
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											
	Free State										
Reitz, Riemland Dierekliniek											
	Sheep: 1										
		Pru	ssic acio	a poiso	oning						
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Average					2.0 (1)	1.0 (1)	1.0 (1)				
Level of imp	ortance scale: 1	= one cas	e, 2 = more	e than or reporte		but less than	ten and 3	= more tha	an 10 cases		
Beef					2.0 (1)	1.0 (1)					
Sheep							1.0 (1)				
		Ladybra		Free St		or Diereklin	iok				
		Lauybia	iiu, Lauyb	Beef:		oi Dielekiiii	iek				
				wazulu-							
		Be	rgville, Be	rgville \ Beef:		ary Clinic					
			E	astern (
		Queen	stown, Qu			erinary clin	ic				
				Sheep: Green for							
			Sene		zeu				<u>^</u>		
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Average						2.0 (1)					
Level of imp	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)											
				wazulu-							
			Estcourt,	, Estco u Beef:		Clinic					
			- 11 -								
	Tulip Poisoning										

PROVINCE	Mpumalanga	Gauteng	Limpopo		Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average	1.5 (2)				2.7 (3)	2.0 (6)	3.0 (1)			
Level of imp	ortance scale: 1	= one cas	se, 2 = more	e than or reporte		but less than	ten and 3	= more tha	in 10 cases	
Beef	1.5 (2)				2.7 (3)	2.0 (6)				
Sheep	ep 3.0 (1)									
	Mpumalanga									
			Bethal, I			niek				
		Ermolo	Môroglo	Beef:		Spreekkam	ar			
		Limel	, indiegio	Beef:		Spicerraili	51			
				Free St						
		F	rankfort, l	Frankfo	rt Diere	ekliniek				
			_	Beef:						
		H	loopstad, l			ekliniek				
			Vrede, V	Beef:		nitaal				
			vicue, vi	Beef:		, icaai				
			Kv	vazulu-						
	Bergville, Bergville Veterinary Clinic									
Beef: 2										
Bergville, Tugela Vet Clinic										
	Beef: 2 Dundee, Mpati Veterinary Clinic									
			Dunaee, M	Beef:		y Cillic				
			Estcourt,			Clinic				
				Beef:						
		P	Mooi River	•		t Clinic				
				Beef:						
		N	lewcastle,			wcastle				
			F	Beef: astern (
		Humar				erinary Clin	ic			
		- 1		Sheep:		, •	_			
		Verme	ersiekte	(<i>Gaig</i>	<i>eria</i> sp	op.)			^	
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average				1.5 (2)						
Level of imp	ortance scale: 1	= one cas	se, 2 = more	e than or reporte		but less than	ten and 3	= more tha	in 10 cases	
Beef				2.0 (1)						
Sheep				1.0 (1)						
				North W						
		Chi	ristiana, Cl			hospitaal				
			Be	ef: 2, Sh	eep: 1					

			Mycoto	xicosi	s				^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average								1.0 (1)	
Level of imp	Level of importance scale: $1 = $ one case, $2 = $ more than one case but less than ten and $3 = $ more than $1 = $ reported								n 10 cases
Dairy								1.0 (1)	
				/estern					
		Steller	ibosch, St	ellenbo : Dairy:		mal Hospit	al		
			Diplo		1				^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					<mark>1.0 (1)</mark>				
	ortance scale: 1	= one cas	e, 2 = more	e than or reporte	ed		ten and 3	= more tha	n 10 cases
Sheep					1.0 (1)				
Free State Wesselsbron, Wesselsbron Dierekliniek									
		VV CS	seisbi oii,	Sheep:		referminer			
			Otl	ner					^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average								1.0 (1)	3.0 (1)
Level of imp	ortance scale: 1	= one cas	e, 2 = more	e than or reporte		but less than	ten and 3	= more tha	n 10 cases
Beef								4.0 (4)	3.0 (1)
Sheep			14	Lachaus	Cana			1.0 (1)	
			Darling,	lestern Darling		liniek			
				Sheep:	: 1				
				aalbos to					
Northern Cape Kathu, Kathu Dierekliniek									
				Beef:	3				
				<i>otolaria</i> t					
			P	oison	ings				
		Wa	ater con	tamina	ation				^

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)				1.0 (1)	1.0 (1)			
Level of imp	ortance scale: 1	= one cas	e, 2 = more	e than or reporte		but less than	ten and 3	= more tha	n 10 cases
Beef	1.0 (1)					1.0 (1)			
Sheep					1.0 (1)				
			M	Ipumala	anga				
		Balfour, Balfour Dierekliniek							
				Beef: Free St					
		Beth				al Hospital			
			,	Sheep:					
				vazulu-	Natal				
			Dundee, E			health			
				Beef:	1				
			Urea Po	isonin	g				^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					1.0 (1)	2.3 (3)	2.0 (2)		
Level of imp	Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported								n 10 cases
Beef					1.0 (1)	2.0 (1)	2.0 (1)		
Dairy						3.0 (1)			
Sheep							2.0 (1)		
Goat						2.0 (1)			
				Free St					
		Beth	ilehem, Be			al Hospital			
			Kv	Beef: vazulu-					
			Estcourt,			Clinic			
				ef: 2, G					
		P	Mooi River			t Clinic			
				Dairy:					
		Graaff-		astern (aaff Rei		terinary Cli	nic		
		Jiaaii-	icinet, Gl	Beef:		Connary Cili	110		
	Middelburg (EC), Steynsburg Dierehospitaal								
				Sheep:	2				
			Snake	Bite					^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.0 (1)				

Level of imp	ortance scale: 1	= one cas	e, 2 = more	e than or reporte		but less than	ten and 3	= more tha	n 10 cases
Beef									
Deci	Free State								
			Clocolan, (Clocolar	ı Diere	kliniek			
				Beef:	2				
			Blue-gre	en alg	ae				^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average						1.0 (1)			
Level of imp	ortance scale: 1	= one cas	e, 2 = more	e than or reporte		but less than	ten and 3	= more tha	an 10 cases
Dairy						1.0 (1)			
				vazulu-					
		<u> </u>	100i River			t Clinic			
				Dairy:					
		Copper Poisoning							
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average						!	1.0 (1)	1.0 (1)	
Level of imp	ortance scale: 1	= one cas	e, 2 = more	e than or reporte		but less than	ten and 3	= more tha	an 10 cases
Sheep							1.0 (1)	1.0 (1)	
				astern (_				
		Some			_	rinary Clinic	}		
				Sheep: Exces					
				estern	Cape				
		0	George, Ge			lospital			
				Sheep:	1				
			Oth	ner					^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average								1.0 (1)	
Level of imp	ortance scale: 1	= one cas	e, 2 = more	e than or reporte		but less than	ten and 3	= more tha	n 10 cases
Sheep								1.0 (1)	
				estern	_				
		(George, Ge			lospital			
				Sheep: Seleniu					
				2 2.2.110					

	Macro Nutritional Problems								
			nergy d	eficier	су				^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (2)	1.5 (2)		1.0 (1)	2.1 (11)	2.0 (6)		1.7 (3)	3.0 (1)
Level of imp	ortance scale: 1	= one cas	e, 2 = more	e than or reporte		but less than	ten and 3	= more tha	n 10 cases
Beef	2.0 (2) 2.0 (1) 2.0 (5) 2.0 (4) 2.0 (1) 3.0 (1)								
Dairy					2.0 (1)				
Sheep		1.0 (1)		1.0 (1)	2.3 (4)	2.0 (1)		1.5 (2)	
Goat		. ,			2.0 (1)				,
			M	1pumala	, ,				
			Balfour,	-		liniek			
			•	Beef:					
		Ne	Ispruit, Ne	elspruit	Animal	Hospital			
				Beef:	3				
	ng extremely poo								
months.	BCS already low	er than pre	evious years			lected in gen	eral lowere	ed conception	n rates.
				Gaute	_				
		Bronk				Dierekliniel	(
				ef: 2, Sh					
		Ch		North W		h !t 1			
		Cni	ristiana, Cl	Sheep:		nospitaai			
				Free St					
		Roth				al Hospital			
		Deti		, Sheep:					
		Har		•		ehospitaal			
				Beef:		onospica ai			
		Н	loopstad,			ekliniek			
				ef: 3, Sh					
			Reitz, Rie			liniek			
			Ве	ef: 2, Sh	eep: 2				
		Villiers,				Vennootsk	ар		
				ef: 2, Sh					
			Zastron, 2			liniek			
			1.5	Dairy:					
				wazulu-		hoolth			
			Dundee, E	naumer Beef:		iicallii			
		K	okstad, E.			Services			
			Choud, Li	Beef:		-C. 11005			
		Mt	ubatuba, N			mal Clinic			
				Beef:					
			Pongola, F	Pongola	Anima	l Clinic			
				Beef:	2				
		Lo	w rainfall, s			conditions			
				Sheep:	2				

		١c	w rainfall, s	severe di	rought c	onditions			
			, ramman,	Goat:		orializionis			
		Lo	w rainfall, s	severe di	- rouaht c	onditions			
				/estern					
	Beaufort West, Beaufort West State Vet								
	Sheep: 1								
	Caledon, Overberg Veterinary Hospital								
			, , , , , , , , , , , , , , , , , , , ,	Sheep:					
		Steller	nbosch, St			mal Hospita	al		
			•	Beef:		•			
			No	orthern	Cape				
		(Calvinia, C			kliniek			
				Beef:					
		P	rotein d	eficier	тсу				^
PROVINCE	Mpumalanga Gauteng Limpopo West State Natal Cape Cape								Northern Cape
Average	2.0 (3)	2.0 (1)		1.0 (1)	2.0 (6)	2.1 (8)	2.5 (2)	2.5 (2)	2.0 (1)
Level of imp	ortance scale: 1	= one cas	e, 2 = more			but less than	ten and 3	= more tha	ın 10 cases
				reporte	ed				
Beef	2.0 (3)	2.0 (1)			2.0 (2)	2.2 (6)		2.0 (1)	
Dairy		,			2.0 (1)	, ,	2.0 (1)	. ,	
Sheep				1.0 (1)			3.0 (1)	3.0 (1)	2.0 (1)
Goat					2.0 (1)		0.0 (.)	0.0 (1)	2.0 (1)
			N	1pumala	, ,	(.)			
			Balfour,	-		liniek			
			Banoar,	Beef:		iiiiick			
		Midd	lelbura . M		_	ehospitaal			
				Beef:	_				
		Ne	Ispruit, Ne	elspruit	_ Animal	Hospital			
				Beef:					
	Very	poor winter	grazing: se	ee comm	ents un	der energy d	eficiencies.		
	,		<u> </u>	Gaute		<u> </u>			
	Pretoria, O	nderstepo	ort Acade			nd Producti	on Anima	I Clinic	
	•	-		Beef:	•				
			l l	North W	/est				
		Chi	istiana, C	hristian	a Diere	hospitaal			
				Sheep:					
				Free St					
		Beth	lehem, Be	thleher	n Anim	al Hospital			
				, Sheep:					
		Villiers,	Wilgepoo	rt Diere	kliniek	Vennootsk	ар		
			Ве	ef: 2, Sh	eep: 2				
			Zastron,			liniek			
				Dairy:					
	Kwazulu-Natal								
Dundee, Mpati Veterinary Clinic									
				Beef:				-	
We contin	ue to see condit	tions of pro	tein, energ	y and wa	iter shor	tage, leading	g to groupi	ng of age g	roups for

We continue to see conditions of protein, energy and water shortage, leading to grouping of age groups for access to available water sources and grazing. Many farmers have not been able to make any/enough hay this year and so we foresee October through to November/December being critical in the area for needing early rains.

	ms where irrigat f grazing (where								
	3 3 (Estcourt						,
			Loccou, c	Beef:		<u> </u>			
		K	okstad, E.			Services			
		- \	onocaa, Ei	Beef:		oci vices			
		Mtı	ubatuba, N			mal Clinic			
		1-16	abacaba, i	Beef:					
				Droug					
			Pongola, F			l Clinic			
			Poligola, F	Beef:		Cillic			
			w rainfall			conditions			
		LU	w rainfall, s			oriuluoris			
			uu rainfall d	Sheep:		anditions			
		LC	w rainfall, s			onditions			
				Goat:					
			w rainfall, s						
		Unde	erberg, Wa			Underberg			
		_		Beef:		.1.4			
		Р	rotein defic			eia grass			
				astern			_		
		Humar	isdorp, Hu			erinary Clin	ic		
				Dairy:					
		Middel	burg (EC),			ierehospita	al		
				Sheep					
				estern/					
		Steller	ibosch, St			mal Hospit	al		
				Beef:	2				
		Vred	enburg, V	redenbu	ırg Die	rehospitaal			
				Sheep:	: 3				
	Green dro	ught, anima	als in poor o	condition	. Ewes	do not attend	d to their la	ımbs.	
			No	orthern	Cape				
		(Calvinia, C	alvinia '	Veearts	skliniek			
				Sheep:	: 2				
		Ph	osphate	defici	ency				^
					_	1,7 1			
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Cape	Western Cape	Northern Cape
Average				3.0 (1)	2.0 (2)				
Level of imp	ortance scale: 1	= one cas	e. 2 = more	e than o	ne case	but less than	ten and 3	= more tha	an 10 cases
·		00 00	o, =o	reporte	ed				
Beef				3.0 (1)	2.0 (1)				
Sheep					2.0 (1)				
				North W	/est				
		Chr	ristiana, Cl			hospitaal			
				Beef:		p			
				Free St					
		Villiere				Vennootsk	an		
		VC. 3,		ef: 2, Sh		CHILOUSK	~P		
		C	alcium d	leficie	ncy				^

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average					1.7 (6)		2.0 (1)		3.0 (1)	
Level of imp	ortance scale: 1	. = one cas	e, 2 = more	e than or reporte		but less than	ten and 3	= more tha	in 10 cases	
Dairy					1.3 (3)		2.0 (1)		3.0 (1)	
Sheep										
				Free St		klimiak				
		<u>'</u>	Clocolan, (Dairy:		Kiiiiek				
		D	ewetsdorp			ekliniek				
				Sheep:						
		Ficks	sburg, Oos	Vrysta Dairy:		e Produkte				
			Reitz, Rie			liniek				
				Sheep:	2					
		Villiers,				Vennootsk	ар			
				ry: 1, Sh astern (•					
		Humar				erinary Clin	ic			
			, , , , , , , , , , , , , , , , , , ,	Dairy:		, , , , , , , , , , , , , , , , , , , ,				
Northern Cape										
Upington, Upington Veterinary Clinic										
Sheep: 3 Ewes in Kenhardt area with no contractions during the lambing process - serious calcium deficiency.										
			icro Nut				00.1000			
		1	lodine de	eficien	су				^	
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average						2.0 (1)				
Level of imp	ortance scale: 1	= one cas	e, 2 = more	e than or reporte		but less than	ten and 3	= more tha	n 10 cases	
Dairy						2.0 (1)				
				vazulu-						
			Estcourt,			Clinic				
	Dairy: 2									
			Copper d	eficier	ıcy				^	
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average	2.0 (1)									
Level of imp	ortance scale: 1	= one cas	e, 2 = more	e than or	ne case	but less than	ten and 3	= more tha	n 10 cases	

Beef	2.0 (1)									
Beei	2.0 (1)		M	Ipumala	anga					
		Lyder		enburg	Dieres	preekkame	r			
	Beef: 2									
			Zinc def	ficienc	У				^	
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average							2.0 (1)			
Level of imp	evel 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)			
				astern (
		Humar	sdorp, Hu			erinary Clin	ic			
				Dairy:						
		Selenium deficiency								
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average	2.0 (2)	1.0 (1)		1.0 (1)	1.0 (2)	2.6 (5)				
Level of imp	ortance scale: 1	= one cas	e, 2 = more	e than or reporte		but less than	ten and 3	= more tha	in 10 cases	
Beef	2.0 (2)	1.0 (1)				2.0 (2)				
Dairy						3.0 (1)				
Sheep				1.0 (1)	1.0 (2)					
Goat			N	Inumal		3.0 (1)				
		Lvder		Ipumala enbura		preekkame	r			
		• • •	3, ,	Beef:						
		Midd	lelburg , M			rehospitaal				
				Beef:						
		Baps	fontein, Ba	apsfont	ein Die	rehospitaal				
			_	Beef:						
		Chi	ı İstiana, Cl	North W hristian		hospitaal				
		Cili	.sciana, ci	Sheep:		opiaai				
				Free St	ate					
	Bothaville, Cape Cross Bothaville Veterinary Hospital									
	Sheep: 1 Harrismith, Harrismith Dierehospitaal									
				Sheep:	1	1				
				vazulu-		Clinia				
		i	Estcourt, Beef: 3, Dai							
			ewcastle,							
				Beef:	1					

		Ма	gnesium	defic	iency				^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.0 (3)			3.0 (1)	
Level of imp	ortance scale: 1	. = one cas	e, 2 = more	e than or reporte		but less than	ten and 3	= more tha	n 10 cases
Dairy					2.0 (1)				
Sheep					2.0 (2)			3.0 (1)	
		_		Free St					
		D	ewetsdorp	o, Platk Sheep:		ekliniek			
		Fick	sbura. Oos	-		e Produkte			
				Dairy:					
			Zastron,			liniek			
			\A/	Sheep: /estern					
			Malmesi			(riek			
				Sheep:					
PROVINCE	Mpumalanga		tamin A Limpopo	North		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)				3.0 (1)		Сарс	Сарс	Сарс
			. 2	1	` '	, ,			10
Level of Imp	ortance scale: 1	. = one cas	e, 2 = more	reporte		but less than	iten and 3	= more tha	in 10 cases
Beef	1.0 (1)			3.0 (1)	3.0 (1)	2.0 (1)			
Sheep				3.0 (1)					
				1pumala					
			Balfour, I	Balfour Beef:		liniek			
				North W					
Christiana, Christiana Dierehospitaal									
				ef: 3, Sh					
Free State Hoopstad, Hoopstad Dierekliniek									
Beef: 3									
Kwazulu-Natal									
		l	Dundee, M	_		y Clinic			
				Beef:					
		Vi	tamin B	deficie	ency				^

PROVINCE Mpumalanga Gauteng Limpopo

North Free Kwazulu- Eastern Western Northern

Cape

Cape

Cape

West State Natal

Average		1.0 (1)							
	ortance scale: 1	, ,	a 2 – more	a than o	ne cace	hut less than	ton and 3	- more tha	n 10 cases
Level of lift	Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported								
Beef	Beef 1.0 (1)								
		_	_	Gaute					
		Bronl	chorstspru	i it, Kerk Beef:		Dierekliniel	(
		Multi-	-factoria			Conditio	ns		
	Abortions								^
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 (1)	1.7 (3)	2.1 (21)	1.7 (14)	2.0 (3)	1.8 (5)	
Level of imp	oortance scale: 1	e one cas	e, 2 = more	e than or reporte		but less than	ten and 3	= more tha	in 10 cases
Beef	2.0 (3)		1.0 (1)	1.7 (3)	2.2 (13)	1.6 (9)	1.0 (1)	3.0 (1)	
Dairy					1.0 (1)		2.0 (1)	1.7 (3)	
Sheep					2.6 (5)		3.0 (1)		
Goat		1.0 (1)			1.5 (2)			1.0 (1)	
			Balfour,	1pumala Balfour		liniak			
			ballour,	Beef:		шиек			
		(Grootvlei,			kliniek			
				Beef:					
		Midd	lelburg , M	Beef:		rehospitaal			
				Gaute					
		Bronl	chorstspru	it, Kerk	straat	Dierekliniel	<		
				Goat:					
		P	ela-Bela, \	Limpo Warmba		ekliniek			
			Ju Doluj	Beef:					
				North W		_			
		Kleı	ksdorp, K	lerksdo Beef:	•	ehospitaal			
			Stella,			niek			
			Jedna, i	Beef:					
		Swartru	ggens, Sw			terinary Cli	inic		
				Beef:					
Free State Bethlehem, Bethlehem Animal Hospital									
Beef: 2									
		Bultfon	tein, Grey			spreekkam	er		
	Beef: 2 Clocolan, Clocolan Dierekliniek								
			Ciocolan, (Ciocoiai Beef:		Kiiniek			
					_				

Dewetsdorp, Platkop Dierekliniek
Beef: 2
Ficksburg, Oos Vrystaat Diere Produkte
Goat: 2
Frankfort, Frankfort Dierekliniek
Beef: 2, Sheep: 3
Harrismith, Harrismith Dierehospitaal
Beef: 2, Sheep: 2, Goat: 1
Hoopstad, Hoopstad Dierekliniek
Beef: 3, Sheep: 3
Kroonstad, Kroonstad Dierehospitaal
Sheep: 3
Ladybrand, Ladybrand / Excelsior Dierekliniek
Beef: 2
Memel, Memel Veterinary Clinic
Beef: 3
Reitz, Riemland Dierekliniek
Beef: 2
Viljoenskroon, Viljoenskroon Dierekliniek
Beef: 2
Villiers, Wilgepoort Dierekliniek Vennootskap
Beef: 3, Sheep: 2
Vrede, Vrede Dierehospitaal
Beef: 1, Dairy: 1
Kwazulu-Natal
Bergville, Bergville Veterinary Clinic
Beef: 2
Bergville, Tugela Vet Clinic
Beef: 1
Dundee, Mpati Veterinary Clinic
Beef: 1
Estcourt, Estcourt Vet Clinic
Beef: 2, Dairy: 3
Kokstad, E.G.Veterinary Services
Beef: 2, Dairy: 2
Mooi River, Mooirivier Vet Clinic
Dairy: 2, Sheep: 1
Mtubatuba, Mtubatuba Animal Clinic Beef: 1
Newcastle, Ncanduvet Newcastle
Beef: 2
Pongola, Pongola Animal Clinic
Beef: 1
Low rainfall, severe drought conditions
Underberg, Underberg Veterinary Surgery
Beef: 2, Sheep: 2
Eastern Cape Humansdorp, Humansdorp Veterinary Clinic
Dairy: 2
Middelburg (EC), Steynsburg Dierehospitaal
Sheep: 3
Queenstown, Queenstown Veterinary clinic
Beef: 1
Western Cape
Western Cape

		_	C								
		Beau	itort West,			t State Vet					
Goat: 1											
Brucella melitensis. 10% plus abortion rate											
Darling, Darling Dierekliniek											
Dairy: 2 IBR abortions, 7 within one month. Bought heifers a few months before. Own cattle were not vaccinated.											
IDK aboi	uons, / within t	nie monui.					vii cattie w	ere not vac	cinateu.		
	Malmesbury, Dr Otto Kriek										
Beef: 3											
Stellenbosch, Provincial Veterinary Laboratory											
Dairy: 1 Paarl area: <i>Trueperella pyogenes</i> was isolated from stomach content and lung samples from an aborted foetus.											
r dan arca.	тисрегена руб					rehospitaa		om an abor	ica roctas.		
		JWEI	endam, 5	Dairy:		iciiospitaa					
			Stillb	irths					<u>^</u>		
PROVINCE	Mpumalanga	Gauteng	Limpopo		Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
					0.0 (0)	0.0 (4)	•	-	•		
Average					2.2 (6)	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					2.3 (3)	2.0 (1)					
Dairy								2.0 (1)			
Sheep					2.0 (3)			- ()	,		
опсер				Free St	. ,						
						ldinial:					
			Clocolan, (Ciocoiai Beef:		Kiiniek					
		U	loonstad			okliniok					
		<u></u>	loopstad, I	ef: 3, Sh		ekiiiiek					
		Vro	onstad, K		-	hoenitaal					
		RIC	olistau, K	Sheep:		nospitaai					
		Villiers	Wilgenoo			Vennootsk	an				
		v iiiici s,	- Tingepoo	Beef:		Cililousk	~-p				
		Wes	selsbron.			ierekliniek					
		1103		Sheep:		. J. Janiii OA					
			Kv	vazulu-							
Bergville, Bergville Veterinary Clinic											
			J, 20	Beef:		,					
Western Cape											
		Cale				y Hospital					
			,	Dairy:							
Abscesses <u>^</u>											
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Average	2.0 (1)	1.0 (1)		1.0 (1)	1.8 (9)	1.6 (5)	2.5 (4)	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)	18(5)	1.0 (2)					
				()		(2)					

Dairy					1.0 (1)			1.0 (1)				
Sheep					2.0 (2)	2.0 (1)	2.5 (2)					
Goat		1.0 (1)				2.0 (2)						
		()	N	1pumala	, ,							
Grootvlei, Grootvlei Dierekliniek												
Beef: 2												
Gauteng												
	Bronkhorstspruit, Kerkstraat Dierekliniek											
Goat: 1												
North West												
	Swartruggens, Swartruggens Veterinary Clinic											
				Beef:	1							
	Free State											
	В	othaville,	Cape Cros	s Botha	ville Ve	eterinary H	ospital					
				Beef:	2							
		Bultfon	tein, Grey	lingsru	st Diere	spreekkan	ner					
	Beef: 1, Dairy: 1											
	Clocolan, Clocolan Dierekliniek											
	Beef: 1											
		Ficks	sburg, Oos			e Produkte						
	Goat: 2											
		H	loopstad, l			ekliniek						
				ef: 3, Sh	•							
		Ladybra	nd, Ladyb			or Diereklin	iek					
				Beef:								
		I	Memel, Me			/ Clinic						
				Sheep:								
				wazulu-								
			Bergville			linic						
				Beef:								
			Estcourt,			Clinic						
				Goat:								
	Mooi River, Mooirivier Vet Clinic											
				Beef:								
	Newcastle, Ncanduvet Newcastle											
Sheep: 2, Goat: 2												
Eastern Cape												
Graaff-Reinet, Graaff Reinet Veterinary Clinic												
Sheep: 2, Goat: 2												
Middelburg (EC), Steynsburg Dierehospitaal												
Sheep: 3												
Abscesses and udder abscesses												
Goat: 3												
Udder abscesses												
Western Cape Stellenhoods Stellenhoods Animal Heavital												
	Stellenbosch, Stellenbosch Animal Hospital											
	Dairy: 1											
Abscesses in general												
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape			

						1			
Average				1.0 (1)	2.3 (4)	1.7 (3)		2.0 (3)	
Level of imp	ortance scale: 1	= one cas	e, 2 = more	e than or reporte		but less thar	ten and 3	= more tha	an 10 cases
Beef				1.0 (1)	2.0 (3)	1.5 (2)		2.0 (1)	
Dairy						, , ,		2.0 (1)	
Sheep					3.0 (1)			2.0 (1)	
Goat						2.0 (1)		. ,	
				North W	/est	, ,			
		Vei	ntersdorp,	Buffels	vlei Di	erekliniek			
				Beef:	1				
				Free St	ate				
		Ficks	sburg, Oos			e Produkte			
				Beef:					
		H	loopstad,			ekliniek			
		Wes		ef: 3, Sh	•	ierekliniek			
		WCS	seisbi oii,	Beef:		ici ekiiiilek			
			Κν	wazulu-					
		Mt	ubatuba, N			mal Clinic			
				eef: 2, G					
			Pongola, F	ongola	Anima	l Clinic			
				Beef:	1				
				estern/	-				
		Cale	-			ry Hospital			
				iry: 2, Sł					
			Malmes			(riek			
				Beef:	2				
			Bladder	stone	S				^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					1.8 (5)			1.0 (1)	
Level of imp	ortance scale: 1	= one cas	e, 2 = more	e than or reporte		but less thar	ten and 3	= more tha	an 10 cases
Beef					1.0 (1)				
Sheep					2.0 (4)			1.0 (1)	
				Free St	ate				
			Clocolan,	Clocola	n Diere	kliniek			
				Beef:	1				
		F	rankfort,			ekliniek			
				Sheep:					
		Н	loopstad,			ekliniek			
				Sheep					
		Kro	onstad, K			enospitaal			
		Ladybra	nd Ladyla	Sheep:		or Dioreklin	iok		
		Lauybra	iiu, Ladyb	Sheep:		or Diereklin	iiek		
			W	/estern					
		Beau				st State Vet			
		2000		,uui		with Fill			

				Sheep:								
Stud ram permanently receiving feed cubes												
			Blind	lness					^			
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape			
Average 2.0 (3) 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					2.0 (2)	1.0 (1)						
Sheep					2.0 (1)	1.0 (1)						
Goat						1.0 (1)						
				Free St								
		Har				ehospitaal						
		Kro		ef: 2, Sh roonsta	-	hospitaal						
		I	onstau, it	Beef:		nospitaai						
			Kv	wazulu-	Natal							
			Estcourt,			Clinic						
		541-		eep: 1, 0								
		Mtı	ıbatuba, N	иtubatu Beef:		mai Clinic						
					1							
			Blo	oat					^			
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape			
Average					2.0 (10)	2.0 (2)		2.5 (2)				
Level of imp	ortance scale: 1	Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases										
D C	reported											
Beef Dairy				reporte	ed 1.8 (6)	2.0 (1)	ten and 3		n 10 cases			
				reporte	ed	2.0 (1)	ten and 3	= more that 2.5 (2)	n 10 cases			
Dairy				reporte	1.8 (6) 2.3 (4)		ten and 3		n 10 cases			
Dairy Sheep				reporte	1.8 (6) 2.3 (4)	2.0 (1)	ten and 3		in 10 cases			
Dairy Sheep		Ficks		reporte	1.8 (6) 2.3 (4) ate at Diere	2.0 (1)	ten and 3		in 10 cases			
Dairy Sheep			burg, Oos	Free St S Vrysta Beef:	1.8 (6) 2.3 (4) ate at Diero	2.0 (1) 2.0 (1) e Produkte	ten and 3		in 10 cases			
Dairy Sheep		F	sburg, Oos rankfort, Be	Free St S Vrysta Beef: Frankfo ef: 1, Sh	2.3 (4) ate at Diero rt Diero eep: 2	2.0 (1) 2.0 (1) e Produkte	ten and 3		in 10 cases			
Dairy Sheep		F	rankfort, I Be oopstad, I	Free St S Vrysta Beef: Frankfo ef: 1, Sh Hoopsta	2.3 (4) ate at Diere eep: 2 ad Diere	2.0 (1) 2.0 (1) e Produkte	ten and 3		in 10 cases			
Dairy Sheep		F	rankfort, I Beo oopstad, I	Free St 5 Vrysta Beef: Frankfo ef: 1, Sh Hoopsta ef: 3, Sh	2.3 (4) ate at Diere eep: 2 ad Diere eep: 3	2.0 (1) 2.0 (1) e Produkte ekliniek ekliniek			in 10 cases			
Dairy Sheep		F	rankfort, I Beo oopstad, I	Free St S Vrysta Beef: Frankfo ef: 1, Sh Hoopsta ef: 3, Sh grand / I	ate at Diere eep: 2 ad Diere eep: 3 Excelsio	2.0 (1) 2.0 (1) e Produkte			in 10 cases			
Dairy Sheep		F	rankfort, Beroopstad, I Bernd, Ladyb	Free St S Vrysta Beef: Frankfo ef: 1, Sh Hoopsta ef: 3, Sh orand / I Beef:	2.3 (4) ate at Diero eep: 2 ad Diero eep: 3 Excelsio	2.0 (1) 2.0 (1) e Produkte ekliniek ekliniek or Diereklin			in 10 cases			
Dairy Sheep		F H Ladybra	rankfort, I Be oopstad, I Be nd, Ladyb	Free St S Vrysta Beef: Frankfo ef: 1, Sh Hoopsta ef: 3, Sh orand / I Beef: emland Beef:	ate at Diere eep: 2 ad Diere eep: 3 Excelsion 2 Dierekl	2.0 (1) 2.0 (1) e Produkte ekliniek ekliniek or Diereklin	iek		in 10 cases			
Dairy Sheep		F H Ladybra	rankfort, I Becoopstad, I Bend, Ladyb Reitz, Rie	Free St S Vrysta Beef: Frankfo ef: 1, Sh Hoopsta ef: 3, Sh orand / I Beef: emland Beef:	ate at Diere eep: 2 ad Diere eep: 3 Excelsion Dierek 2 kliniek	2.0 (1) 2.0 (1) e Produkte ekliniek ekliniek or Diereklin	iek		in 10 cases			

	Zastron, Zastron Dierekliniek										
Sheep: 2											
Kwazulu-Natal											
Mooi River, Mooirivier Vet Clinic											
Dairy: 2											
Mtubatuba, Mtubatuba Animal Clinic											
			14	Goat:							
		Calc		lestern		n, Hospital					
		Cale	aon, Over	Sheep:		ry Hospital					
			Oudts	shoorn,		ed					
			Ouuc	Sheep:		<u></u>					
	Allocation for flo	od irrigatio	n – suddenl	•		s of highly nu	tritious fee	ed available			
			gut (sh						^		
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Average					2.0 (1)						
Level of imp	oortance scale: 1	= one cas	se, 2 = more	e than or reporte		but less than	ten and 3	= more tha	an 10 cases		
Sheep					2.0 (1)						
опсер				Free St							
			Clocolan, (kliniek					
			Ciocolari, V			Killiok					
Sheep: 2 Blue udder											
PROVINCE Mnumalanga Gauteng Limpono North Free Kwazulu- Eastern Western Northern											
PROVINCE	Mpumalanga	Gauteng		North		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
PROVINCE Average	Mpumalanga	Gauteng		North	State				_		
Average	Mpumalanga portance scale: 1		Limpopo	North West	State 1.8 (4) ne case	Natal	Cape 1.0 (1)	Cape 2.0 (1)	Cape		
Average Level of imp			Limpopo	North West 3.0 (1) e than or reporte	State 1.8 (4) ne case ed	Natal but less than	1.0 (1) ten and 3	Cape 2.0 (1)	Cape		
Average			Limpopo se, 2 = more	North West 3.0 (1) than or reporte 3.0 (1)	1.8 (4) ne case ed 1.8 (4)	Natal but less than	Cape 1.0 (1)	2.0 (1) = more that	Cape		
Average Level of imp			Limpopo se, 2 = more	North West 3.0 (1) e than or reporte 3.0 (1) North W	1.8 (4) ne case ed 1.8 (4) /est	Natal but less than	1.0 (1) ten and 3	2.0 (1) = more that	Cape		
Average Level of imp			Limpopo se, 2 = more	North West 3.0 (1) e than or reporte 3.0 (1) North W	1.8 (4) ne case ed 1.8 (4) /est ke, NJ I	Natal but less than	1.0 (1) ten and 3	2.0 (1) = more that	Cape		
Average Level of imp			Limpopo se, 2 = more	North West 3.0 (1) than or reporte 3.0 (1) North Wer-Renel	1.8 (4) ne case ed 1.8 (4) /est ke, NJ I	Natal but less than	1.0 (1) ten and 3	2.0 (1) = more that	Cape		
Average Level of imp		. = one cas	Limpopo se, 2 = more	North West 3.0 (1) e than or reporte 3.0 (1) North Wer-Renel Sheep: Free St Clocolar	1.8 (4) ne case ed 1.8 (4) /est ke, NJ I 3 ate 1 Diere	Natal but less than	1.0 (1) ten and 3	2.0 (1) = more that	Cape		
Average Level of imp		= one cas	Limpopo e, 2 = more Schweize Clocolan, (North West 3.0 (1) than or reporte 3.0 (1) North Wer-Renel Sheep: Free St Clocolar Sheep:	1.8 (4) ne case ed 1.8 (4) /est ke, NJ I 3 ate 1 Diere 2	Natal but less than Heyns kliniek	1.0 (1) ten and 3	2.0 (1) = more that	Cape		
Average Level of imp		= one cas	Limpopo se, 2 = more	North West 3.0 (1) than or reporte 3.0 (1) North West Free St Clocolar Sheep: roonsta	1.8 (4) ne case ed 1.8 (4) /est ke, NJ I 3 ate 1 Diere 2 d Diere	Natal but less than Heyns kliniek	1.0 (1) ten and 3	2.0 (1) = more that	Cape		
Average Level of imp		. = one cas	Limpopo Se, 2 = more Schweize Clocolan, (constad, Kr	North West 3.0 (1) e than or reporte 3.0 (1) North Wer-Renel Sheep: Free St Clocolar Sheep: roonsta Sheep:	1.8 (4) ne case ed 1.8 (4) /est ke, NJ I 3 ate 1 Diere 2 d Diere 2	Natal but less than Heyns kliniek	Cape 1.0 (1) ten and 3 1.0 (1)	2.0 (1) = more that	Cape		
Average Level of imp		. = one cas	Limpopo Se, 2 = more Schweize Clocolan, (constad, Kr	North West 3.0 (1) the than or reporte 3.0 (1) North Wer-Renel Sheep: Free St Clocolar Sheep: roonsta Sheep: rand / I	1.8 (4) ne case ed 1.8 (4) /est ke, NJ I 3 ate 1 Diere 2 d Diere 2 Excelsie	Natal but less than Heyns kliniek	Cape 1.0 (1) ten and 3 1.0 (1)	2.0 (1) = more that	Cape		
Average Level of imp		. = one cas	Limpopo e, 2 = more Schweize Clocolan, (constad, Kr	North West 3.0 (1) than or reporte 3.0 (1) North War-Renel Sheep: Free St Clocolar Sheep: roonsta Sheep: rand / I Sheep:	1.8 (4) ne case ed 1.8 (4) /est ke, NJ I 3 ate n Diere 2 d Diere 2 Excelsion 1	Natal but less than Heyns kliniek chospitaal or Diereklin	Cape 1.0 (1) ten and 3 1.0 (1)	2.0 (1) = more that	Cape		
Average Level of imp		. = one cas	Limpopo Se, 2 = more Schweize Clocolan, (constad, Kr	North West 3.0 (1) than or reporte 3.0 (1) North War-Renel Sheep: Free St Clocolar Sheep: roonsta Sheep: rand / I Sheep:	1.8 (4) ne case ed 1.8 (4) /est ke, NJ I 3 ate 1 Diere 2 d Diere 2 Excelsion 1 erehosp	Natal but less than Heyns kliniek chospitaal or Diereklin	Cape 1.0 (1) ten and 3 1.0 (1)	2.0 (1) = more that	Cape		
Average Level of imp		. = one cas	Limpopo se, 2 = more Schweize Clocolan, (constad, Krand, Ladyb Vrede, Vr	North West 3.0 (1) than or reporte 3.0 (1) North West Tree St Clocolar Sheep: Troonsta Sheep: Troonsta Sheep: Troonsta Sheep: Troonsta	1.8 (4) ne case ed 1.8 (4) /est ke, NJ I 3 ate 1 Diere 2 Excelsion 1 erehos 2	Natal but less than Heyns kliniek chospitaal or Diereklin	Cape 1.0 (1) ten and 3 1.0 (1)	2.0 (1) = more that	Cape		
Average Level of imp		Kro Ladybra	Limpopo Se, 2 = more Schweize Clocolan, (constad, Kr and, Ladyb Vrede, Vi	North West 3.0 (1) than or reporte 3.0 (1) North War-Renel Sheep: Free St Clocolar Sheep: roonsta Sheep: rand / I Sheep: rede Die Sheep: astern (1.8 (4) ne case ed 1.8 (4) /est ke, NJ I 3 ate 1 Diere 2 d Diere 2 Excelsion 1 erehosp 2 Cape burg D	Natal but less than Heyns kliniek chospitaal or Diereklin	Cape 1.0 (1) ten and 3 1.0 (1)	2.0 (1) = more that	Cape		
Average Level of imp		Kro Ladybra	Limpopo se, 2 = more Schweize Clocolan, G oonstad, Ki and, Ladyb Vrede, Vi E burg (EC),	North West 3.0 (1) than or reporte 3.0 (1) North Wer-Renel Sheep: Free St Clocolar Sheep: roonsta Sheep: rand / I Sheep: rede Die Sheep: astern (1)	1.8 (4) le case ed 1.8 (4) lest ke, NJ I ate point po	Natal but less than Heyns kliniek chospitaal or Diereklin	Cape 1.0 (1) ten and 3 1.0 (1)	2.0 (1) = more that	Cape		

Darling, Darling Dierekliniek Sheep: 2												
			Diarr		2				^			
			Diarr	поеа					<u> </u>			
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape			
Average	Average 1.5 (2) 1.5 (2) 3.0 (2) 2.1 (15) 2.3 (6) 3.0 (1)											
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 case reported												
Beef	·											
Dairy					2.0 (3)	3.0 (1)						
Sheep				3.0 (1)	2.8 (4)	3.0 (1)						
Goat		1.0 (1)				2.0 (3)						
			M	1pumala	anga							
			Balfour,			iniek						
				Beef:	_	1.12						
			Grootvlei, (Beef:		KIINIEK						
				Gaute								
		Baps	fontein, B		_	rehospitaal						
				Beef:								
	Pretoria, O	nderstepo	ort Acade	mic Hos	pital ar	nd Producti	on Anima	l Clinic				
				Goat:	1							
				North W								
		Chi	ristiana, Cl			hospitaal						
				ef: 3, Sh	-							
	D	othovillo		Free St		torinanı U	ocnital					
	В(otnaville,	Cape Cros	Beef:		eterinary Ho	ospitai					
One cow died	d from Sunflowe	er seeds en	aoraement.			ad severe dia	rhoea. Rer	noved from	stover land			
one com area						opped in gro			Stover land			
						spreekkam	•					
			Beef: 2	, Dairy: 2	2, Sheep	o: 3						
			Clocolan,									
		F1 -1-		, Dairy: 2								
		FICKS	sburg, Oos	Dairy:		e Produkte						
		Har	rismith, H	-		hospitaal						
				Beef:		opiwai						
		Н	loopstad,			ekliniek						
				Sheep:								
		Kro	onstad, K			hospitaal						
		_		Sheep:								
			Memel, Me	emel Vet Beef:		Clinic						
			Reitz, Rie			liniek						
			RCILL, RIC	Beef:								
		Villiers,	Wilgepoo			Vennootsk	ар					
				Beef:								
			Vrede, V	rede Die	erehosp	itaal						

Beef: 2
Kwazulu-Natal
Bergville, Tugela Vet Clinic
Goat: 1
Estcourt, Estcourt Vet Clinic
Sheep: 3, Goat: 3
Mooi River, Mooirivier Vet Clinic
Dairy: 3
Mtubatuba, Mtubatuba Animal Clinic
Beef: 2, Goat: 2
Western Cape
Darling, Darling Dierekliniek
Beef: 3
Calf mortalities due to insufficient intake of colostrum

Eye Cancer									
PROVINCE	OVINCE Mpumalanga Gauteng Limpopo North West State Kwazulu- Eastern Cape Cape								
Average					1.6 (7)	1.5 (4)	1.0 (1)	1.0 (1)	
Level of imp	ortance scale: 1	= one cas	e. 2 = more	e than o	ne case	but less than	ten and 3	= more tha	an 10 cases

reported

Beef	1.4 (5)	1.0 (2)		1.0 (1)
Dairy	2.0 (2)	2.0 (2)	1.0 (1)	

Da	2.0 (2) 2.0 (2) 1.0 (1)
	Free State
	Bothaville, Cape Cross Bothaville Veterinary Hospital
	Beef: 1
	Clocolan, Clocolan Dierekliniek
	Beef: 1, Dairy: 2
	Frankfort, Frankfort Dierekliniek
	Beef: 3
	Ladybrand, Ladybrand / Excelsior Dierekliniek
	Beef: 1
	Reitz, Riemland Dierekliniek
	Beef: 1, Dairy: 2
	Kwazulu-Natal
	Bergville, Bergville Veterinary Clinic
	Beef: 1
	Estcourt, Estcourt Vet Clinic
	Dairy: 2
	Mtubatuba, Mtubatuba Animal Clinic
	Beef: 1
	Underberg, Underberg Veterinary Surgery
	Dairy: 2
	Carcinoma of the nictitating membrane (third eye lid) - left untreated - severe pathology and culling.
	Eastern Cape
	Humansdorp, Humansdorp Veterinary Clinic
	Dainy 1

Dairy: 1
Western Cape

Stellenbosch, Stellenbosch Animal Hospital

Beef: 1

Eye infections										
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average	1.0 (4)	1.7 (7)		2.5 (2)	1.8 (10)	2.1 (14)	1.8 (5)	2.0 (1)		
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported										
Beef	1.0 (2)	1.3 (3)		2.5 (2)	1.8 (5)	2.0 (6)	1.5 (2)	2.0 (1)		
Dairy					2.0 (1)	2.5 (2)				
Sheep	1.0 (1)	2.5 (2)				2.0 (3)	2.0 (3)			
Goat	1.0 (1)	1.5 (2)				2.0 (3)				
			N	1pumala	anga					
			Balfour,	-		liniek				
				, Sheep:						
		0	Grootvlei,	Grootvi	ei Diere	kliniek				
				Beef:	1					
				Gaute	_					
		Baps	•	-		rehospitaal				
				, Sheep:						
		Bronk	cnorstspru	l it, Kerk Beef:		Dierekliniel	(
		Drotoris	Anima V			sulting Roo	me			
		Pietoria	a, Allillia V	Sheep:		builting Roo	1115			
	Pretoria, O	nderstenn	ort Acade	•		nd Producti	on Anima	l Clinic		
	rictoria, oi	шетэкеро		eef: 1, G	_	ia rioducti	On Amma	Cillic		
				North W						
		Chi	istiana, C			hospitaal				
				Beef:						
		Kler	ksdorp, K	lerksdo	rp Dier	ehospitaal				
				Beef:	2					
				Free St						
		Bultfon	tein, Grey			spreekkam	er			
				Beef:						
			Clocolan,			kliniek				
			Be F rankfort, I	ef: 2, Da Erankfo		akliniek				
				ef: 3, Sh		CKIIIICK				
		Har			-	ehospitaal				
			•	ef: 2, Sh		p.wai				
		ı	Memel, Me	•	•	y Clinic				
			•	Sheep:						
		Viljoe	nskroon, '	Viljoens	kroon	Dierekliniel	<			
				ef: 1, Sh						
		_		wazulu-		<u> </u>				
		Ве	rgville, Be	_		ary Clinic				
			Dones :!!!	Beef:		linic				
			Bergville Reef: 2	e, Tugei 2, Sheep:						
			Estcourt	•						
				, LStcou 2, Sheep:						
			Dull y . 2	-, oncep.	. ₂ , 00a					

		N	100i River			et Clinic					
				Beef:							
		Mtı	ubatuba, N			mal Clinic					
				eef: 2, G							
		N	ewcastle,			wcastle					
				ef: 2, Sh							
		Pietern	naritzburg			eterinay Clir	nic				
		_		Beef:							
		Under	berg, Und			nary Surger	у				
				Dairy:							
				astern (
			Aliwal Nor	-	_	Troskie					
				Beef:							
		Graaff-I	Reinet, Gr			terinary Cli	nic				
				Sheep:							
		Middel	burg (EC),			ierehospita	al				
		_		Sheep:							
		Queen				erinary clin	ic				
				ef: 1, Sh	-						
				estern							
		Steller	ibosch, St			imal Hospit	al				
				Beef:	2						
			Join	t III					^		
PROVINCE	Mpumalanga	Gauteng	Limpopo		Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Average	west State Natai Cape Cape Cape										
Average 1.0 (1) 1.0 (1) 1.0 (1) 1.0 (2) Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases											
	` '	= one case	e, 2 = more	e than or	ne case		ten and 3	1.0 (2) = more that	ın 10 cases		
Level of imp	ortance scale: 1	= one case	e, 2 = more	` ′	ne case ed	but less than	ten and 3	, ,	n 10 cases		
Level of imp	` '	. = one case	e, 2 = more	e than or	ne case	but less than	ten and 3	= more tha	n 10 cases		
Level of imp Beef Dairy	ortance scale: 1	. = one case	e, 2 = more	e than or reporte	ne case ed 1.0 (1)	but less than	ten and 3	, ,	nn 10 cases		
Level of imp Beef Dairy Sheep	ortance scale: 1	= one case	e, 2 = more	e than or	ne case ed 1.0 (1)	but less than	ten and 3	= more tha	n 10 cases		
Level of imp Beef Dairy	ortance scale: 1	. = one case		e than or reported	ne case ed 1.0 (1)	but less than	ten and 3	= more tha	nn 10 cases		
Level of imp Beef Dairy Sheep	ortance scale: 1	. = one cas	N	e than or reported 1.0 (1)	ne case ed 1.0 (1)	but less than	ten and 3	= more tha	nn 10 cases		
Level of imp Beef Dairy Sheep	ortance scale: 1	. = one cas		e than or reported 1.0 (1) 1pumala Balfour	ne case ed 1.0 (1) anga Dierek	but less than	ten and 3	= more tha	nn 10 cases		
Beef Dairy Sheep	ortance scale: 1	. = one cas	M Balfour,	1.0 (1) 1.0 (1) 1.0 (1) 1.0 (1) 1.0 (1) 1.0 (1) 1.0 (1)	ne case ed 1.0 (1) anga Dierek	but less than	ten and 3	= more tha	nn 10 cases		
Level of imp Beef Dairy Sheep	ortance scale: 1		N Balfour,	1.0 (1) 1pumala Balfour Beef:	ne case ed 1.0 (1) anga Dierek 1	but less than		= more tha	nn 10 cases		
Level of imp Beef Dairy Sheep	ortance scale: 1		N Balfour,	1.0 (1) Ipumala Balfour Beef: North W	ne case ed 1.0 (1) anga Dierek 1 /est gens Ve	but less than		= more tha	nn 10 cases		
Level of imp Beef Dairy Sheep	ortance scale: 1		Balfour, I I ggens, Sw	1.0 (1) Ipumala Balfour Beef: North W vartrugg	anga Dierek 1 /est gens Ve	but less than		= more tha	n 10 cases		
Level of imp Beef Dairy Sheep	ortance scale: 1	Swartru	Balfour, I ggens, Sw	1.0 (1) 1pumala Balfour Beef: North Wartrugg Sheep:	anga Dierek 1 /est gens Ve	but less than	inic	= more tha	nn 10 cases		
Level of imp Beef Dairy Sheep	ortance scale: 1	Swartru	Balfour, I ggens, Sw	1.0 (1) 1pumala Balfour Beef: North Wartrugg Sheep: Free St	anga Dierek 1 /est gens Ve 1 ate	but less than	inic	= more tha	nn 10 cases		
Level of imp Beef Dairy Sheep	ortance scale: 1	Swartru	Balfour, l ggens, Sw	1.0 (1) Ipumala Balfour Beef: North W vartrugg Sheep: Free St rand / I Beef:	anga Dierek 1 /est jens Ve ate Excelsion	but less than	inic	= more tha	nn 10 cases		
Beef Dairy Sheep	ortance scale: 1	Swartru	M Balfour, I ggens, Sw and, Ladyb	1.0 (1) Ipumala Balfour Beef: North W vartrugg Sheep: Free St rand / I Beef:	anga Dierek 1 /est gens Ve ate Excelsion 1 Cape	but less than	inic	= more tha	nn 10 cases		
Level of imp Beef Dairy Sheep	ortance scale: 1	Swartru	M Balfour, I ggens, Sw and, Ladyb	1.0 (1) 1.0	anga Dierek 1 /est gens Ve 1 ate Excelsion Cape	but less than	inic	= more tha	nn 10 cases		
Level of imp Beef Dairy Sheep	ortance scale: 1	Swartru Ladybra Beau	Balfour, I ggens, Sw and, Ladyb Wafort West,	1.0 (1) 1pumala Balfour Beef: North Wartrugg Sheep: Free St rand / I Beef: Vestern , Beaufo Goat:	anga Dierek 1 /est gens Ve 1 ate Excelsion 1 Cape ort Wes 1	but less than liniek eterinary Cli or Diereklin	inic	= more that 1.0 (1) 1.0 (1)	in 10 cases		
Beef Dairy Sheep	ortance scale: 1	Swartru Ladybra Beau eek old laml	Balfour, I ggens, Sw and, Ladyb wafort West, bs, kraaled	1.0 (1) 1.0 (1) 1pumala Balfour Beef: North W vartrugg Sheep: Free St rand / I Beef: /estern , Beaufo Goat: when ev	anga Dierek 1 /est gens Ve 1 ate Excelsion 1 Cape Ort Wes 1 wes leav	liniek eterinary Cli or Diereklin et State Vet	inic iek 10% incide	= more that 1.0 (1) 1.0 (1)	in 10 cases		
Level of imp Beef Dairy Sheep	ortance scale: 1	Swartru Ladybra Beau eek old laml	Balfour, I ggens, Sw and, Ladyb wafort West, bs, kraaled	1.0 (1) Ipumala Balfour Beef: North W vartrugg Sheep: Free St rand / I Beef: Vestern Goat: when evellenbook	anga Dierek 1 /est jens Ve 1 ate Excelsio 1 Cape ort Wes 1 wes leav	but less than liniek eterinary Cli or Diereklin	inic iek 10% incide	= more that 1.0 (1) 1.0 (1)	nn 10 cases		
Level of imp Beef Dairy Sheep	ortance scale: 1	Swartru Ladybra Beau eek old laml	Balfour, I ggens, Sw and, Ladyb wafort West, bs, kraaled	1.0 (1) 1.0 (1) 1pumala Balfour Beef: North W vartrugg Sheep: Free St rand / I Beef: /estern , Beaufo Goat: when ev	anga Dierek 1 /est jens Ve 1 ate Excelsio 1 Cape ort Wes 1 wes leav	liniek eterinary Cli or Diereklin et State Vet	inic iek 10% incide	= more that 1.0 (1) 1.0 (1)	in 10 cases		

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape			
Average	2.0 (3)	2.0 (3)		3.0 (1)	2.1 (8)	3.0 (1)	2.0 (5)	2.0 (3)				
Level of imp	Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported											
Beef	2.0 (2)	2.0 (2)		3.0 (1)	1.8 (4)		1.0 (1)	3.0 (1)				
Dairy					2.7 (3)	3.0 (1)	2.5 (2)	1.5 (2)				
Sheep	2.0 (1)	2.0 (1)			2.0 (1)		2.0 (1)					
Goat							2.0 (1)					
			M	1pumala	anga							
			Balfour, l	_	_	liniek						
			Be	ef: 2, Sh	eep: 2							
		G	irootvlei, (kliniek						
				Beef:								
			=	Gaute								
		Baps	fontein, Ba	•		rehospitaal						
		Drotoris	Anima V	Beef:		sulting Roo						
		Pretoria	•	ef: 2, Sh	_	suiting Roo	1115					
				North W	•							
		Chr	istiana, Cl			hosnitaal						
		Cili	isciana, Ci	Beef:		iiospitaai						
				Free St	_							
			Clocolan, (kliniek						
				ef: 2, Da								
		Har			-	ehospitaal						
			-	ef: 2, Sh		<u>-</u>						
		Н	loopstad, l	Hoopsta	d Dier	ekliniek						
				Dairy:	3							
		Kro	onstad, K	roonsta	d Diere	hospitaal						
				Dairy:								
			Reitz, Rie			liniek						
				Beef:								
		Viljoe	nskroon, \			Dierekliniel	(
			10	Beef:								
			Estcourt,	vazulu-		Clinic						
			EStCourt,	Dairy:		CIIIIC						
			F	astern (
		Al	exandria,			otaieter						
		7.1	oxumuma,	Dairy:		otg.etc.						
		Si	xty cattle in	•		one farm						
			Aliwal Nor		•							
				Beef:	_							
		Graaff-l				terinary Cli	nic					
				eep: 2, 0								
		Humar	sdorp, Hu			erinary Clin	ic					
				Dairy:								
				estern								
		0	George, Ge	_		ospital						
				Dairy:	1							

	Beef: 3											
		Swell	lendam, S			rehospitaa						
Swellendam, Swellendam Dierehospitaal Dairy: 2												
Lung infection ^												
			Lung in	fectio	n				^			
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape			
Average	Average 2.3 (6) 1.8 (6) 2.5 (8) 2.3 (21) 2.4 (12) 1.8 (4) 1.3 (3) 3.0 (2)											
Level of imp	oortance scale: 1	. = one cas	e, 2 = more	e than or reporte		but less than	ten and 3	= more tha	n 10 cases			
Beef	2.3 (6)	2.0 (2)		2.5 (6)	2.3 (12)	2.7 (6)	2.0 (1)		3.0 (1)			
Dairy		1.0 (1)			2.0 (2)	3.0 (1)	2.0 (2)	1.0 (2)				
Sheep		2.0 (3)		2.5 (2)	2.3 (7)	2.0 (3)	1.0 (1)	2.0 (1)	3.0 (1)			
Goat						2.0 (2)						
			M	1pumala	anga							
			Balfour,	_		liniek						
			•	Beef:	2							
		Ermelo	, Môreglo	ed Vete	rinêre S	Spreekkam	er					
				Beef:	3							
			Pneumonia									
			Grootvlei, (kliniek						
				Beef:								
		Lyder	iburg, Lyd			preekkame	<u> </u>					
		NA! -1 -1	I - III	Beef:								
		Midd	ielburg , M	ııaaeıbı Beef:		rehospitaal						
			Stand	lerton, I		o+						
			Stant	Beef:		CL						
				Gaute								
		Baps	fontein, B		_	rehospitaal						
				ef: 3, Sh		2 3 5 p : 666						
		Bronk		•	-	Dierekliniel	(
			-	ef: 1, Sh								
			Nigel, Wel	lgeleger	Diere	kliniek						
				Dairy:								
		Pretoria	a, Anima V		_	sulting Roo	ms					
				Sheep:								
		-		North W								
		Chi	ristiana, Cl			nospitaal						
	spiratory syncitia tamine, cortison				from 3-1		_					
ariariis	carrinie, cordson					ehospitaal	. Guses rep	o.cca on 5	a.moi			
				ef: 2, Sh	_							
		Leeudo			•	d Diereklini	ek					
				ef: 3, Sh								
			Schweize		-	leyns						
				Beef:	2							

Malmesbury, Dr Otto Kriek

Ventersdorp, Buffelsvlei Dierekliniek
Beef: 2
Vryburg, Vryburg Dierehospitaal
Beef: 3
Numerous cases even in cattle that were vaccinated. In feedlot as well as cattle on veld.
Free State
Bothaville, Cape Cross Bothaville Veterinary Hospital
Beef: 2, Dairy: 2
Bultfontein, Greylingsrust Dierespreekkamer
Beef: 2, Sheep: 3
Clocolan, Clocolan Dierekliniek
Beef: 2, Dairy: 2, Sheep: 2
Dewetsdorp, Platkop Dierekliniek
Sheep: 1
Ficksburg, Oos Vrystaat Diere Produkte
Beef: 2
Frankfort, Frankfort Dierekliniek
Beef: 3
Harrismith, Harrismith Dierehospitaal
Beef: 3, Sheep: 3
Kroonstad, Kroonstad Dierehospitaal
Beef: 2
Memel, Memel Veterinary Clinic
Beef: 3
Reitz, Riemland Dierekliniek
Beef: 2, Sheep: 2
Viljoenskroon, Viljoenskroon Dierekliniek
Reef: 2
Villiers, Wilgepoort Dierekliniek Vennootskap
Beef: 3, Sheep: 3
Vrede, Vrede Dierehospitaal
Beef: 2, Sheep: 2
Kwazulu-Natal
Bergville, Bergville Veterinary Clinic
Beef: 3
Bergville, Tugela Vet Clinic
Beef: 2, Sheep: 2, Goat: 2
Dundee, Endumeni Herd health
Beef: 3, Sheep: 3
Estcourt, Estcourt Vet Clinic
Beef: 3
Mooi River, Mooirivier Vet Clinic
Dairy: 3
Mtubatuba, Mtubatuba Animal Clinic
Beef: 2, Goat: 2
Newcastle, Ncanduvet Newcastle
Sheep: 1
Pietermaritzburg, Richmond Veterinay Clinic
Beef: 3
Eastern Cape
Alexandria, Dr Thys (MJ) Potgieter
Dairy: 2
Jersey calves
Aliwal North, Uitspan C Troskie
,

				Daaf.	2				
Beef: 2 Humansdorp, Humansdorp Veterinary Clinic									
Dairy: 2									
		Middel	bura (EC).			ierehospita	al		
Sheep: 1									
Western Cape									
Beaufort West, Beaufort West State Vet									
Sheep: 2									
George, George Animal Hospital									
Dairy: 1									
Pasteurella Swellendam, Swellendam Dierehospitaal									
		Swell	enuam, S	wellend Dairy:		renospitaa			
			No	orthern					
		K	Curuman, I			ekliniek			
			-	ef: 3, Sh					
		M	lastitis i	n gene	eral				^
PROVINCE	Mpumalanga	Gauteng	Limpopo		Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)				1.8 (4)	1.6 (5)		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									
D 6	4.0.(4)			тероги		4 E (O)		2.0 (4)	
Beef	1.0 (1)				1.0 (1)			3.0 (1)	
Dairy					2.0 (3)			2.5 (2)	
Sheep						1.0 (1)			
Goat			-	4		1.0 (1)			
			Balfour, I	1pumala Balfour		liniek			
			Balloul, I	Beef:		IIIIEK			
				Free St					
		Beth	lehem, Be			al Hospital			
			•	Dairy:		-			
		Bultfon	tein, Grey			espreekkam	er		
				Dairy:					
			Clocolan, (kliniek			
		\A/	colobres 1	Dairy:		ierekliniek			
		wes	seisbron, \	wessels Beef:		rerekiiniek			
			Kv	wazulu-					
			Bergville			linic			
			_ 2. 9	Sheep:					
			Estcourt,	-		Clinic			
				Dairy:					
		Mtı	ubatuba, N			mal Clinic			
				ef: 2, G					
		N	ewcastle,			wcastle			
			14	Beef:					
			Malmesi	lestern		Criek			
			··iaiiiieSi	Beef:		a ick			
				DCCI.	J				

Klebsiella pneumoniae was the main cause on one property, Protocols to "disinfect" the caudal third of the sleeping bays of dairy cows should not be changed if one doesn't want an escalation of mastitis cases. Interesting is the fact that although "clean" sand for bedding is placed in the sleeping quarters, contamination is extremely rapid due to the fact that there are so many carriers of this bacterium. Obviously workers that consume unpasteurised milk from contaminated/infected cows are subjected to picking up Klebsiella pneumoniae

Stellenbosch, Stellenbosch Animal Hospital										
Dairy: 2 Swellendam, Swellendam Dierehospitaal										
Dairy: 3										
Navel III									^	
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
Average	Average 1.0 (1) 1.0 (1)									
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported										
Beef						1.0 (1)				
Sheep							1.0 (1)			
				vazulu-						
			Dundee, E			health				
Beef: 1 Eastern Cape										
Queenstown, Queenstown Veterinary clinic										
Sheep: 1										
			Redgut	(Shee	p)				^	
DDOVINCE	Mpumalanga	Gautena	Limnono	North	Free	Kwazulu-	Eastern	Western	Northern	
PROVINCE	ripullialaliga	Gauterig	Limpopo	West	State	Natal	Cape	Cape	Cape	
Average	ripumalanga	dattering	Limpopo		State 2.0 (1)	Natal	Cape	Cape	Cape	
Average	portance scale: 1				2.0 (1) ne case					
Average				e than or reporte	2.0 (1) ne case	but less than				
Average Level of imp		= one cas	e, 2 = more	e than or reporte	2.0 (1) ne case ed 2.0 (1) ate	but less than				
Average Level of imp		= one cas	e, 2 = more	e than or reporte Free St Clocolar	2.0 (1) ne case ed 2.0 (1) ate n Diere	but less than				
Average Level of imp		= one cas	e, 2 = more	e than or reporte	2.0 (1) ne case ed 2.0 (1) ate n Diere	but less than				
Average Level of imp		= one cas	e, 2 = more	e than or reporte Free St Clocolar Sheep:	2.0 (1) ne case ed 2.0 (1) ate n Diere	but less than				
Average Level of imp Sheep		= one cas	e, 2 = more Clocolan, (Free St Clocolar Sheep:	2.0 (1) ne case ed 2.0 (1) ate 1 Diere	but less than				
Average Level of imp Sheep	portance scale: 1	= one cas	e, 2 = more Clocolan, (Free St Clocolar Sheep:	2.0 (1) ne case ed 2.0 (1) ate n Diere 2	but less than	ten and 3	= more that	an 10 cases A Northern	
Average Level of imp Sheep PROVINCE Average	portance scale: 1	= one cas Gauteng 2.0 (1)	clocolan, c	Free St Clocolar Sheep: Ima North West	2.0 (1) ne case ed 2.0 (1) ate n Diere 2 Free State	but less than kliniek Kwazulu- Natal	ten and 3 Eastern Cape	= more that	an 10 cases A Northern Cape	
Average Level of imp Sheep PROVINCE Average	oortance scale: 1 Mpumalanga	= one cas Gauteng 2.0 (1)	clocolan, c	Free St Clocolar Sheep: Uma North West	2.0 (1) ne case ed 2.0 (1) ate n Diere 2 Free State	but less than kliniek Kwazulu- Natal	ten and 3 Eastern Cape	= more that	an 10 cases A Northern Cape	
Average Level of imp Sheep PROVINCE Average Level of imp	oortance scale: 1 Mpumalanga	Gauteng 2.0 (1) = one cas	clocolan, c	Free St Clocolar Sheep: Uma North West	2.0 (1) ne case ed 2.0 (1) ate n Diere 2 Free State	but less than kliniek Kwazulu- Natal	ten and 3 Eastern Cape	= more that	an 10 cases A Northern Cape	

	Beef: 2								
Fractures B2; Traumatic pericarditis (wire)B 1									
			Dow	ner					^
									_
PROVINCE	Mpumalanga	Gauteng	Limpopo		Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)	1.0 (2)			1.3 (6)	1.5 (2)		2.5 (2)	
Level of importance scale: $1 = $ one case, $2 = $ more than one case but less than ten and $3 = $ more than 10 cases reported									
Beef	1.0 (1)	1.0 (2)			1.2 (5)	1.5 (2)		2.5 (2)	
Dairy					2.0 (1)				
			M	1pumala	anga				
		(Grootvlei, (ekliniek			
				Beef:					
		Desci	horston	Gaute		Dierekliniel			
		Вгопн	cnorstspru	Beef:		Dierekiiniei	<u> </u>		
	Pretoria, O	nderstepo	ort Acade			nd Producti	on Anima	I Clinic	
				Beef:	_				
	Free State								
			Clocolan,			kliniek			
				ef: 2, Da	-				
		Ficks	sburg, Oos			e Produkte			
	Beef: 1 Villiers, Wilgepoort Dierekliniek Vennootskap								
		¥ IIIICI 3,	vingepoo	Beef:		VEITHOULSK	шр		
			Vrede, V			oitaal			
				Beef:	-				
			Zastron,			liniek			
				Beef:					
				vazulu-					
		Ве	rgville, Be	rgville \ Beef:		ary Clinic			
			Estcourt			Clinic			
				Beef:					
			W	estern					
		Steller	nbosch, St			mal Hospit	al		
				Beef:					
		Vred	enburg, V			rehospitaal			
		COME	stay down a	Beef:		oor condition	n		
		COVVS							
			Metal	olic L)isea:	ses			
			Acid	osis					^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.3 (4)			2.0 (2)	2.2 (12)	1.5 (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	2.5 (2)	2.0 (1) 2.2 (5)		3.0 (1)
Sheep	2.0 (2)	2.0 (1) 2.1 (7)	2.0 (1)	1.0 (1)
Goat			1.0 (1)	

Mpumalanga

Bethal, Bethal Dierekliniek

Beef: 2, Sheep: 1

Standerton, Econovet

Beef: 3

Reported by farmers

Sheep: 3

Reported by farmers

North West

Leeudoringstad, Leeudoringstad Dierekliniek

Sheep: 2

Sheep grazing in maize fields

Schweizer-Reneke, NJ Heyns

Beef: 2

Maize fields

Free State

Dewetsdorp, Platkop Dierekliniek

Sheep: 2

Ficksburg, Oos Vrystaat Diere Produkte

Sheep: 2

Frankfort, Frankfort Dierekliniek

Beef: 2, Sheep: 2

Hoopstad, Hoopstad Dierekliniek

Beef: 3, Sheep: 3

Reitz, Riemland Dierekliniek

Beef: 3, Sheep: 2

Villiers, Wilgepoort Dierekliniek Vennootskap

Beef: 2, Sheep: 2

Vrede, Vrede Dierehospitaal

Beef: 1, Sheep: 2

Kwazulu-Natal

Estcourt, Estcourt Vet Clinic

Sheep: 2

Mtubatuba, Mtubatuba Animal Clinic

Goat: 1

Western Cape

Beaufort West, Beaufort West State Vet

Sheep: 1

Small scale farmer - gave additional maize meal to poor condition animals

Malmesbury, Dr Otto Kriek

Beef: 3

Acute death and sick animals were reported and necropsy revealed acute rumen acidosis. On investigation it was discovered that although the ration was 100% correct, the problem occurred due to the fact that the TMR was not mixed thoroughly enough.

Displaced abomasum									<u>^</u>
PROVINCE	Mpumalanga	Gauteng	Limpopo	North	Free	Kwazulu-	Eastern	Western	Northern

lisplaced al	Kro	eonstad, Kr Kv Estcourt, W Darling, I	Free Stroonsta Dairy: Vazulu- Dairy: Vestern Darling Dairy:	ate d Diere Natal art Vet (2 Cape Dierekl	hospitaal	ten and 3	2.0 (1) = more that 2.0 (1)	an 10 cases	
lisplaced al	Kro	Estcourt, Darling, I	Free St roonsta Dairy: wazulu- , Estcou Dairy: /estern Darling Dairy:	ate d Diere Natal art Vet (2 Cape Dierekl	2.0 (1) chospitaal	ten and 3		an 10 cases	
lisplaced al	Kro	Estcourt, Darling, I	Free St roonsta Dairy: wazulu- , Estcou Dairy: /estern Darling Dairy:	ate d Diere Natal art Vet (2 Cape Dierekl	2.0 (1) chospitaal				
		Estcourt, W Darling, I	Free St roonsta Dairy: wazulu- , Estcou Dairy: /estern Darling Dairy:	ate d Diere Natal ort Vet (2 Cape Dierek	hospitaal		2.0 (1)		
		Estcourt, W Darling, I	pairy: pairy: pairy: pairy: pairy: pairy: parling Dairy: Dairy:	Natal Irt Vet (2 Cape Dierek	Clinic				
		Estcourt, W Darling, I	Dairy: vazulu- vazulu- vazulu- vairy: Dairy: vestern varling Dairy:	2 Natal Irt Vet (2 Cape Dierek	Clinic				
	bomasum -	W Darling, I	vazulu- , Estcou Dairy: /estern Darling Dairy:	Natal ort Vet (2 Cape Dierek					
	bomasum -	W Darling, I	Dairy: Vestern Darling Dairy:	rt Vet (2 Cape Dierek					
	bomasum -	W Darling, I	Dairy: /estern Darling Dairy:	2 Cape Dierek 2					
	bomasum -	Darling, I	/estern Darling Dairy:	Cape Dierek l 2	liniek				
	bomasum -	Darling, I	Darling Dairy:	Dierek	liniek				
	bomasum -	overcrowd	Dairy:	2					
	bomasum -		ing of st						
malanga		Ket		em up g	roups - too s	mall feed b	ounk space		
malanga			osis					^	
	Gauteng	Limpopo		Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape	
					1	Cupe	Cupe	Cape	
	1.5 (2)			2.3 (3)			1.0 (1)	2.0 (1)	
ce scale: 1	. = one cas	e, 2 = more	e than or reporte		but less than	ten and 3	= more tha	in 10 cases	
	2.0 (1)								
	()			2.0 (1)					
				2.5 (2)			1.0 (1)	2.0 (1)	
	1.0 (1)								
			Gaute	ng					
	Baps	fontein, B			rehospitaal				
etoria, O	nderstepo	ort Acadeı		-	nd Production	on Anima	l Clinic		
					alelim!ale				
	Н	ioopstaa, i			екипиек				
	Villiere	Wilgenoo	•		Vennootsk	an			
	· inicis,	gcp00			· Cilliousk	~ /			
		Zastron, Z			liniek				
		,							
		W							
	Cale	don, Over			y Hospital				
Calvinia, Calvinia Veeartskliniek									
			Sheep:	2					
		Milk I	Fever					^	
	etoria, O	etoria, Onderstepo H Villiers, Cale	etoria, Onderstepoort Acader Hoopstad, I Villiers, Wilgepoo Zastron, 2 W Caledon, Over No Calvinia, C	Bapsfontein, Bapsfont Goat: etoria, Onderstepoort Academic Hos Beef: Free St Hoopstad, Hoopsta Sheep: Villiers, Wilgepoort Diere Sheep: Zastron, Zastron Dairy: Western Caledon, Overberg Ve Sheep: Northern Calvinia, Calvinia	Goat: 1 etoria, Onderstepoort Academic Hospital an Beef: 2 Free State Hoopstad, Hoopstad Diere Sheep: 3 Villiers, Wilgepoort Dierekliniek Sheep: 2 Zastron, Zastron Dierek Dairy: 2 Western Cape Caledon, Overberg Veterinar Sheep: 1 Northern Cape Calvinia, Calvinia Veearts Sheep: 2	Bapsfontein, Bapsfontein Dierehospitaal Goat: 1 etoria, Onderstepoort Academic Hospital and Production Beef: 2 Free State Hoopstad, Hoopstad Dierekliniek Sheep: 3 Villiers, Wilgepoort Dierekliniek Vennootske Sheep: 2 Zastron, Zastron Dierekliniek Dairy: 2 Western Cape Caledon, Overberg Veterinary Hospital Sheep: 1 Northern Cape Calvinia, Calvinia Veeartskliniek Sheep: 2	Bapsfontein, Bapsfontein Dierehospitaal Goat: 1 etoria, Onderstepoort Academic Hospital and Production Anima Beef: 2 Free State Hoopstad, Hoopstad Dierekliniek Sheep: 3 Villiers, Wilgepoort Dierekliniek Vennootskap Sheep: 2 Zastron, Zastron Dierekliniek Dairy: 2 Western Cape Caledon, Overberg Veterinary Hospital Sheep: 1 Northern Cape Calvinia, Calvinia Veeartskliniek Sheep: 2	Bapsfontein, Bapsfontein Dierehospitaal Goat: 1 etoria, Onderstepoort Academic Hospital and Production Animal Clinic Beef: 2 Free State Hoopstad, Hoopstad Dierekliniek Sheep: 3 Villiers, Wilgepoort Dierekliniek Vennootskap Sheep: 2 Zastron, Zastron Dierekliniek Dairy: 2 Western Cape Caledon, Overberg Veterinary Hospital Sheep: 1 Northern Cape Calvinia, Calvinia Veeartskliniek Sheep: 2	

PROVINCE	Mpumalanga	Gauteng	Limpopo		Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Average	2.0 (1)				1.8 (5)	2.0 (1)	2.0 (1)	2.0 (1)			
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 careported											
Beef					2.0 (1)						
Dairy	2.0 (1)					2.0 (1)	2.0 (1)	2.0 (1)			
Sheep	Sheep 2.0 (1) Mpumalanga										
Mpumalanga Grootvlei, Grootvlei Dierekliniek											
Dairy: 2											
Free State											
			Clocolan, (kliniek					
		Ficks	sbura. Oos	Dairy: Vrvsta		e Produkte					
				Dairy:	2						
			Reitz, Rie			liniek					
		Villioro	Wilgonoo	Beef:		Vannostal	an .				
Villiers, Wilgepoort Dierekliniek Vennootskap Sheep: 2											
Zastron, Zastron Dierekliniek											
Dairy: 2											
Kwazulu-Natal Estcourt, Estcourt Vet Clinic											
			EStCourt	Dairy:		CHILIC					
			E	astern (
		Humar	nsdorp, Hu		_	erinary Clin	ic				
			\A	Dairy: /estern							
		Cale			_	y Hospital					
			,	Dairy:		,					
			Reprod	uctive	dise	ases					
		Dyst	ocia (Dif	ficult	Births)			<u>^</u>		
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape		
Average	1.8 (8)	1.5 (6)	2.0 (2)	2.3 (3)	2.0 (23)	1.9 (11)	1.7 (3)	1.8 (6)	1.7 (3)		
Level of imp	ortance scale: 1	= one cas	e, 2 = more	e than or reporte		but less than	ten and 3	= more tha	ın 10 cases		
Beef	1.8 (6)	1.0 (3)	2.0 (1)	2.3 (3)	2.0 (12)	1.9 (8)	1.0 (1)	2.3 (3)	1.5 (2)		
Dairy	2.0 (1)	0.5.(0)			2.0 (3)		2.0 (2)	1.3 (3)	2.0.(4)		
Sheep Goat	1.0 (1)	2.5 (2) 1.0 (1)	2.0 (1)		2.0 (7) 2.0 (1)				2.0 (1)		
Gual		1.0 (1)		1pumala							
			Balfour,			liniek					

Beef: 1
Bethal, Bethal Dierekliniek
Beef: 2, Sheep: 1
Grootvlei, Grootvlei Dierekliniek
Beef: 2, Dairy: 2
Lydenburg, Lydenburg Dierespreekkamer
Beef: 2
Middelburg , Middelburg Dierehospitaal
Beef: 3
Piet Retief, Pets Vet Hospital
Beef: 1
Gauteng
Bapsfontein, Bapsfontein Dierehospitaal
Sheep: 2
Bronkhorstspruit, Kerkstraat Dierekliniek
Beef: 1
Pretoria, Anima Veterinary Consulting Rooms
Beef: 1
Pretoria, Onderstepoort Academic Hospital and Production Animal Clinic
Beef: 1, Sheep: 3, Goat: 1
Limpopo
Mokopane, Dr Henk Visser
Beef: 2, Goat: 2
North West
Christiana, Christiana Dierehospitaal
Beef: 3
Schweizer-Reneke, NJ Heyns
Beef: 2
Ventersdorp, Buffelsvlei Dierekliniek
Beef: 2
Free State
Bethlehem, Bethlehem Animal Hospital
Beef: 2, Sheep: 2
Bothaville, Cape Cross Bothaville Veterinary Hospital
Beef: 2
Clocolan, Clocolan Dierekliniek
Beef: 2
Ficksburg, Oos Vrystaat Diere Produkte
Dairy: 2, Sheep: 2, Goat: 2
Frankfort, Frankfort Dierekliniek
Beef: 2
Harrismith, Harrismith Dierehospitaal
Beef: 2
Hoopstad, Hoopstad Dierekliniek
Beef: 3, Sheep: 3
Kroonstad, Kroonstad Dierehospitaal
Beef: 2, Dairy: 2
Ladybrand, Ladybrand / Excelsior Dierekliniek
Sheep: 1
Memel, Memel Veterinary Clinic
Beef: 2
Reitz, Riemland Dierekliniek
Beef: 2, Dairy: 2, Sheep: 2
Viljoenskroon, Viljoenskroon Dierekliniek
jec.bacon rajecibación biordannes

Beef: 1
Villiers, Wilgepoort Dierekliniek Vennootskap
Beef: 2, Sheep: 2
Vrede, Vrede Dierehospitaal
Beef: 2
Wesselsbron, Wesselsbron Dierekliniek
Sheep: 2
Kwazulu-Natal
Bergville, Bergville Veterinary Clinic
Beef: 2
Bergville, Tugela Vet Clinic
Beef: 2
Dundee, Endumeni Herd health
Beef: 2
Estcourt, Estcourt Vet Clinic
Beef: 2, Dairy: 2
Greytown, Greytown Veterinary Hospital
Beef: 2
Mooi River, Mooirivier Vet Clinic
Dairy: 2
Mtubatuba, Mtubatuba Animal Clinic
Beef: 2
Newcastle, Ncanduvet Newcastle
Beef: 2, Sheep: 2
Pongola, Pongola Animal Clinic
Beef: 1
Eastern Cape
Alexandria, Dr Thys (MJ) Potgieter
Dairy: 2
Humansdorp, Humansdorp Veterinary Clinic
Dairy: 2
Uitenhage, Uitenhage Dierehospitaal
Beef: 1
Western Cape
Caledon, Overberg Veterinary Hospital
Dairy: 2
George, George Animal Hospital
Dairy: 1
Malmesbury, Dr Otto Kriek
Beef: 2
Oudtshoorn, Oudtshoorn Dierekliniek
Beef: 3
Stellenbosch, Stellenbosch Animal Hospital
Beef: 2
Swellendam, Swellendam Dierehospitaal
Dairy: 1
Northern Cape
Kathu, Kathu Dierekliniek
Beef: 2, Sheep: 2
Kimberley, Kimberley Dierekliniek
Beef: 1

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					1.5 (2)				
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef 1.5 (2)									
Free State									
Hoopstad, Hoopstad Dierekliniek Beef: 2									
Wesselsbron, Wesselsbron Dierekliniek									
Beef: 1									
			Met	ritis					<u>^</u>
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.3 (3)	1.0 (1)	1.0 (1)		2.0 (1)	3.0 (1)		2.5 (2)	
Level of importance scale: 1 = one case, 2 = more than one case but less than ten and 3 = more than 10 cases reported									
Beef	1.0 (2)				2.0 (1)			2.0 (1)	
Dairy	2.0 (1)					3.0 (1)		3.0 (1)	
Sheep 1.0 (1) 1.0 (1)									
			Balfour,	1pumala Balfour		liniak			
			balloul,	Beef:		IIIIEK			
		(Grootvlei, (Grootvl	ei Diere	kliniek			
			Be	ef: 1, Da					
		Pretoria	a. Anima V	Gaute eterina		sulting Roo	ms		
			-, , , , , , , , , , , , , , , , , , ,	Sheep:	_				
				Limpo					
			Mokopa	ne, Dr I Sheep:		sser			
				Free St					
		Н	loopstad,			ekliniek			
				Beef:					
		Unde		wazulu- Jerberg		ary Surger	v		
		Jildel	berg, ond	Dairy:		ury Surger	7		
				estern/	Cape				
			Malmes			(riek			
		Swell	lendam S	Beef:		rehospitaa			
		Swell	Chain, S	Dairy:		i Gilospitaa			
			Poor cor						^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape

A	2.0.(2)	4.5.(0	2.5	0.4 (0)	4.0.(0)				
Average	2.0 (3)	1.5 (2)	(11)	2.1 (8)	1.3 (3)				
Level of imp	ortance scale: 1	= one case, 2 = more than c		but less than	ten and 3	= more than 10 cases			
		repor	.eu						
Beef	2.0 (3)	1.0 (<mark>1</mark>	2.5	2.0 (7)	1.3 (3)				
D-!	()		(10)		\				
Dairy		0.0 (4)	0.0 (4)	3.0 (1)					
Sheep 2.0 (1) 2.0 (1)									
Mpumalanga									
Grootvlei, Grootvlei Dierekliniek									
Beef: 2									
		Lydenburg, Lydenburg		preekkame	r				
		Beef:							
		Nelspruit, Nelspruit		nospitai					
All 6	vo onio a sa al la c	Beef:		ao uninfelli	nuovile	mana au maratha - Darta			
All farms e	xperienced lowe	ered conception rates due to s		_	previous su	immer months. Body			
		condition score (BCS)		anected.					
				haanitaal					
		Christiana, Christian Beef:		nospitaai					
				ahaanitaal					
		Klerksdorp, Klerksdo Sheep	_	enospitaai					
		Free S							
		Bethlehem, Bethlehe		al Hospital					
		Beef:		ai nospitai					
				torinanı U	acnital				
	В	othaville, Cape Cross Both Beef:		etermary no	ospitai				
		Clocolan, Clocola		kliniak					
		Beef:		KIIIIIEK					
		Dewetsdorp, Plati		akliniak					
		Beef:		CKIIIIICK					
		Frankfort, Frankfo		kliniak					
		Beef		KIIIICK					
		Harrismith, Harrism		hoenitaal					
		Beef:		iiospitaai					
		Hoopstad, Hoopst		ekliniek					
		Beef							
		Ladybrand, Ladybrand /		or Diereklin	iek				
		Beef:		, D.G.G.					
		Villiers, Wilgepoort Dier		Vennootsk	ap				
		Beef: 2, S			P				
		Zastron, Zastro	•	liniek					
		Beef							
		Kwazulu							
		Bergville, Bergville		ary Clinic					
		Beef		•					
		Bergville, Tuge	la Vet C	linic					
		Beef							
		Dundee, Endume	ni Herd	health					
		Beef							
		Estcourt, Estco	urt Vet (Clinic					
		Beef: 3, D							

		Mtı	ubatuba, N			mal Clinic			
				Beef:					
		Pietern	naritzburg			terinay Clir	nic		
			_	Beef:					
			Cows ger						
			Pongola, F			I Clinic			
				Beef:					
			_	Nutritio					
				astern (P., I . I .			
			Aliwal Nor	tn, Uits Beef:		roskie			
		0	-t O						
		Queen	stown, Qu			erinary clin	IC		
		11:4	enhage, U	Beef:		hoenitaal			
		UIT	eillage, U	Beef:		nospilaal			
		R	etained	afterb	irth				^
PROVINCE	Mpumalanga	Gauteng	Limpopo		Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	1.0 (1)	1.0 (1)			1.8 (4)	1.5 (2)	2.0 (1)	1.7 (3)	
Level of imp	ortance scale: 1	= one cas	e, 2 = more	e than or	ne case	but less than	ten and 3	= more tha	n 10 cases
			C, Z 111010	reporte	ed		i terrana s		11 10 0000
Beef	1.0 (1)	1.0 (1)			2.0 (2)	1.5 (2)		1.5 (2)	
Dairy					1.5 (2)		2.0 (1)	2.0 (1)	
			M	1pumala	anga				
		G	Grootvlei, (_		ekliniek			
				Beef:	1				
				Gaute	ng				
		Pretoria	a, Anima V	eterina	ry Cons	sulting Roo	ms		
				Beef:	1				
				Free St					
			Clocolan, (kliniek			
				ef: 1, D	-				
		Н	loopstad, l			ekliniek			
				Beef:		_,			
		Ladybra	nd, Ladyb			or Diereklin	iek		
			17-	Dairy:					
		D-		wazulu-		amı Clinia			
		Re	rgville, Be	rgville v Beef:		ary Clinic			
			Pormill.			linic			
			Bergville	e, Tugei Beef:		AIIIIC			
			F	astern (
		Human				erinary Clin	ic		
		Hamai	.5451 p, 11u			Crimary Cill			
	Dairy: 2 Western Cape								
George, George Animal Hospital									
Beef: 1									
			Malmes			(riek			
				Beef:					
Swellendam, Swellendam Dierehospitaal									

				Dairy:	2				
Sheath Prolaps								^	
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.0 (3)				
Level of imp	ortance scale: 1	= one cas	e, 2 = more	e than or reporte		but less thar	ten and 3	= more tha	n 10 cases
Beef					2.0 (3)				
				Free St	ate				
			Clocolan,			kliniek			
				Beef:					
		H	loopstad,	Hoopsta Beef:		ekliniek			
		Villiers.	Wilgenoo			Vennootsk	an		
		VC. 5,	TTgcpcc	Beef:			шр		
			Uterus p	rolap	se				^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (2)	1.0 (1)		2.0 (1)	1.6 (9)	1.8 (4)		1.0 (1)	
·	ortance scale: 1	. = one cas	e, 2 = more	reporte	ed		ten and 3	= more tha	in 10 cases
Beef	2.0 (1)			2.0 (1)	1.6 (8)	` '		4.0.(4)	
Dairy	2.0 (1)	1.0 (1)			1.0 (1)	1.5 (2)		1.0 (1)	
Sheep		1.0 (1)		1 m m m m l .	. ,				
			Grootvlei, (ipumala Grootyle		ekliniek			
			•	ef: 2, Da		ZKIIIICK			
				Gaute	-				
		Bronl	chorstspru	-		Dierekliniel	<		
				Sheep: North W					
			Schweize			Hevns			
				Beef:	-	,			
				Free St					
	В	othaville,	Cape Cros			eterinary H	ospital		
			Clocolan,	Beef:		kliniek			
			Ciocolali, (Beef:		KIIIICK			
		Ficks	sburg, Oos			e Produkte			
				Beef:					
	Frankfort, Frankfort Dierekliniek								
	Beef: 2 Hoopstad, Hoopstad Dierekliniek								
	Beef: 2, Sheep: 1								
	Reitz, Riemland Dierekliniek								
	Beef: 1								

	Villiers, Wilgepoort Dierekliniek Vennootskap								
	Beef: 2								
			Vrede, V	rede Die	erehosp	oitaal			
				Beef:					
			K	wazulu-	Natal				
		Ве	rgville, Be	rgville \	eterina	ary Clinic			
				Beef:	2				
			Estcourt	•		Clinic			
			4! D!	Dairy:		+ Ol!!-			
		<u>N</u>	Mooi River	-		t Clinic			
				eef: 2, Da					
		Challar		/estern		mal Hasnit	I		
		Steller	iboscn, St	Dairy:		mal Hospit	aı		
		Vagir	nal (Cerv			S			^
		vagii	idi (CCI (ricar) i	лошр				_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West		Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	2.0 (5)	1.3 (4)			1.7 (10)	1.8 (4)			
Level of imp	ortance scale: 1	. = one cas	e, 2 = more	e than or reporte		but less thar	ten and 3	= more tha	n 10 cases
Beef	2.0 (3)	1.3 (3)			1.7 (6)	1.8 (4)			
Dairy	2.0 (1)								
Sheep	2.0 (1)	1.0 (1)			1.8 (4)				
			N	1pumala					
			Bethal,	-		niek			
			Ве	ef: 2, Sh	eep: 2				
			Grootvlei,			kliniek			
				eef: 2, Da	-				
			Piet Reti		_	spital			
				Beef:					
		D =	famba! P	Gaute		walaa:::!+==!			
		варя	iontein, B	apstont Beef:		rehospitaal			
		Bronk	horstenri			Dierekliniel	e		
		DIOIR	oracapi t	Beef:		DICI EKIIIIEI	•		
	Pretoria, O	nderstepo	ort Acade			nd Producti	on Anima	I Clinic	
	, ,			ef: 2, Sh	-				
				Free St					
	Clocolan, Clocolan Dierekliniek								
Beef: 1									
	Ficksburg, Oos Vrystaat Diere Produkte								
				Sheep:					
	Frankfort, Frankfort Dierekliniek								
	Beef: 2								
Hoopstad, Hoopstad Dierekliniek									
	Beef: 1, Sheep: 3 Ladybrand, Ladybrand / Excelsior Dierekliniek								
		Lauybra	iiu, Lauyd	Sheep:		JI DIEIEKIIN	ICK		
		Villiere	Wilgenoo	•		Vennootsk	ap		
	Villiers, Wilgepoort Dierekliniek Vennootskap								

			Bed	ef: 2, Sh	een: 2				
						oitaal			
	Vrede, Vrede Dierehospitaal Beef: 3								
		Wes	selsbron, \	Wessels	bron D	ierekliniek			
				Beef:					
				vazulu-					
		Bei	rgville, Be			ary Clinic			
				Beef:		o: ·			
			Estcourt,			Clinic			
		V	okstad, E.	Beef:		Convicos			
			OKSLAU, E.	Beef:		ei vices			
		Mtı	ubatuba, N			mal Clinic			
				Beef:					
			Clim	atical	Caus	se .			
			Cold ex						^
			Cold ex	posui					
PROVINCE	Mpumalanga	Gauteng	Limpopo		Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average									2.0 (1)
Level of imp	ortance scale: 1	= one cas	e, 2 = more	e than or reporte		but less thar	ten and 3	= more tha	an 10 cases
Beef									2.0 (1)
			No	orthern	Cape				
			Calvinia, C			skliniek			
				Beef:	2				
			Frozen t	o dea	th				^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.0 (2)				3.0 (1)
Level of imp	ortance scale: 1	e one cas	e, 2 = more	e than or reporte		but less thar	ten and 3	= more tha	an 10 cases
Sheep					2.0 (2)				
Goat					,				3.0 (1)
				Free St	ate				
			Clocolan, (kliniek			
				Sheep:					
		Wes	selsbron, \			ierekliniek			
			_	Sheep:					
	Northern Cape								
Kuruman, Kuruman Dierekliniek									
Goat: 3 Goat kids frozen to death - less than 3 days old.									
	Residues								

			Drug re	esidue	S				^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average						2.0 (1)			
Level of imp	ortance scale: 1	= one cas	e, 2 = more	e than or reporte		but less than	ten and 3	= more tha	n 10 cases
Dairy						2.0 (1)			
				vazulu-		a			
			Estcourt,	Dairy:		Clinic			
			Non sp	·		ases			
		Cause o	of death	not es	tablis	hed			^
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.0 (1)				
Level of imp	ortance scale: 1	= one cas	e, 2 = more	e than or reporte		but less than	ten and 3	= more tha	n 10 cases
Beef					2.0 (1)				
				Free St					
		Buitton	itein, Grey	lingsrus Beef:		espreekkam	er		
			Pred	itors					_
PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average					2.0 (1)	3.0 (1)	1.0 (1)		
Level of imp	ortance scale: 1	= one cas	e, 2 = more	e than or reporte		but less than	ten and 3	= more tha	in 10 cases
Sheep					2.0 (1)	3.0 (1)	1.0 (1)		
		Villioro		Free St		Vennootsk	an		
		villers,	wilgepoo	Sheep:		Veililootsk	aμ		
				vazulu-	Natal				
		K	Kokstad, E.	G.Vete : Sheep:		ervices			
				astern (Саре				
		Middel	burg (EC),			ierehospita	al		
				Sheep: Dog bit					
		S	Sabotatio						^
	Subotation There								

PROVINCE	Mpumalanga	Gauteng	Limpopo	North West	Free State	Kwazulu- Natal	Eastern Cape	Western Cape	Northern Cape
Average	3.0 (1)				1.0 (1)	3.0 (1)			
Level of imp	ortance scale: 1	= one cas	e, 2 = more	e than or reporte		but less than	ten and 3	= more tha	n 10 cases
Beef	3.0 (1)								
Sheep					1.0 (1)	3.0 (1)			
				Ipumala					
		Ne	Ispruit, Ne			Hospital			
Many roporto	of cattle theft f	rom diffora	ont farms O	Beef:		had to call his	c hardi nat	worth loss	ing valuable
many reports									ing valuable
	registered animals through cattle theft and bush slaughter. Poor response from SAP. Free State								
		Villiers,	Wilgepoo			Vennootsk	ар		
			V	Sheep: •vazulu					
		К	okstad, E.			Services			
				Sheep:					
			Trau	ıma					^
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 imp	ortance scale: 1	= one cas	e, 2 = more	e than or reporte		but less than	ten and 3	= more tha	in 10 cases
Beef		2.0 (1)			1.0 (1)				
				Gaute	ng				
		Bronk	chorstspru			Dierekliniel	(
				Beef:					
		Villiers		Free St		Vennootsk	an		
Villiers, Wilgepoort Dierekliniek Vennootskap Beef: 1									

The following practices had nothing to report.

Krugersdorp – Dr. Ryan Jeffery

Hertzogville – Dr. Nico Hendrikz

Camperdown – Dr. Anthony van Tonder

Pietermaritzburg – Dr. Rick Mapham

Heidelberg (WC) – Dr. Albert van Zyl

Plettenburg Bay – Dr. André Reitz

Alexandria – Dr. Johan Olivier

Other Species

Key: 1 = one case; 2 = 2 to 9 cases; 3 = more than 10 cases

Horses

Mpumalanga

Lydenburg - Drs.Trumpelmann and Steyn

Resistant blue ticks, 1

Limpopo

Bela – Bela (Warmbath) –drs. Du Toit, Hansen, Bester and Herbst

Equine biliary, 1

Colic, 1

Eastern Cape

Alexandria - dr. Thys Potgieter

Screw-worm - 2

Port Alfred - dr. Leon de Bruyn

Equine biliary, 2

Northern Cape

Kimberley - Drs. Van Heerden, Swart and Smith

Diarrhoea, 1

Lameness, 2

Game

Limpopo

Bela – Bela (Warmbath) –Drs. Du Toit, Hansen, Bester and Herbst

Internal parasites, young eland

Abscesses, 2 nyala and sable

Eye problems, 1 Nyala

Trauma, 1 Rhino wth bullet wound in neck; neck injury, 1 nyala

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

Heartwater, 2 – springbuck

Capture myopathy, 2 impala

Mokopane - Dr. Henk Visser

Intestinal roundworms, 2 Screw-worm , 1 Lameness, 1

Capture myopathy, 1

Polokwane - Dr. Dario Cremona

Intestinal roundworms, 3
Pulpy kidney, 1
Capture myopathy, 1

Free State

Bethlehem - Dr. Wessel Strydom

Capture myopathy, 2

KwaZulu-Natal

Memel - Dr. Nixon

Blackleg, 1

Mkuze – Dr. Mike Toft

Pongola – Dr. Heinz Kohrs

Heartwater ticks, 1

Brown ear-ticks, 1

Protein deficiency, 2 – severe drought conditions

Energy deficiency, 2 – severe drought conditions

Eastern Cape

Alexandria - Dr. Thys Potgieter

Screw-worm , 2 – buffalo cut feet in fence wire

Eye problems, 1 – nyala with suspecte myasis, treated with doramectin and recovered

Cradock - Dr. Frans Erasmus

Adaptation problem - Buffalo, 1 died

Graaff-Reinet – Drs. Hobson, Strydom and Henessey

Intestinal roundworms -sable, 1

Mycotoxins - sable, 1

Pneumonia - sable, 1

Port Alfred - Dr. Leon de Bruyn

Theileriosis – sable calves, 2

Coccidiosis – impala, 1

Lacerations – buffalo cows, 2 feed trough aggression

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

Corynebacterium ovis abscesses, 1

Northern Cape

Kimberley - Drs. Van Heerden, Swart and Smith

Lung infection – roan, 2

E. coli diarrhea – sable bull, 1

Dystocia – nyala, 1

Lameness – sable, 1

Capture myopathy – bontebok, 2; nyala, 1

Trauma – copper springbuck, 1, fatal attack by dogs

Ruptured penis – sable, 1

Swine

Free State

Parys - Drs. Wessels, Wessels and Van Vuuren

Pneumonia, 1

Ostriches

Eastern Cape

Oudtshoorn - Dr. Adriaan Olivier

Condition	Number of cases
Intestinal roundworms	2 First cases of severe wire worm infestations. Wet
	cooler weather with birds on pasture – ideal!
Tapeworms	1
Energy deficiency	2 Very cold and wet, poor nutrition – difficulties to
	maintian feed intake and losses due to energy
	deficiency. First cases of severe wire worm
	infestations
Pneumonia	2 Airsuccultiis rhinitis – lower prevalence than before
	- water disinfection, production practises of all in,
	all out has reduced occurence.
Diarrhoea	2

Feedlot report received from Dr. Shaun Morris and Dr. Eben du Preez (edupreez1@telkomsa.net)

Sheep feedlots:

Lamb numbers are scarce and lambs in poor condition are part of parcels bought. Older lambs in poor condition fall in the expected weight category and in these lambs the digestive system is atrophic. Hardly any papillae is seen in the rumen and therefore uptake of nutrients are poor. They

struggle to adapt and if they do adapt, their standing time in the feedlot is much longer before they start to pick up weight. Many of these lambs die due to lack of resistance to disease.

Sporadic mortalities due to pulpy kidney occur.

Deaths due to pneumonia occur mostly in the adaptation phase.

A few cases of abscesses due to Corynebacterium ovis occurred.

Caseous abscessation in the lungs was seen in a few cases.

Cattle feed lots:

Calves becoming diseased before weaning are on the increase. Such calves arrive at feedlots and they often die within days after being offloaded or they are kept in the hospital camp even before they were processed.

Clinical signs of disease are not clearly seen at the farm of origin but with the stress of weaning and transport these signs come to the fore and the result is hospitalization or necropsy. At necropsy the lungs of these calves are severely affected, even with abscessation. Such abscesses are not formed within a day or two and one can take it for granted that infection was picked up weeks before.

Pasteurella multocida and Mannheimia haemolytica are the main role players in this situation. Farmers losing calves as a result of pneumonia before weaning, should consider vaccinating the cows timeously before calving so that calves are protected by antibodies via the colostrum.

A few cases of lumpy skin disease, red water and anaplasmosis were reported.

Pneumonia was still the main cause of mortality in feedlots. The traditional time of weaning and large number of calves that were bought resulted in pressure on the health status of feedlots. This resulted in increased morbidity and mortality in feedlots.

Acidosis with concomitant mortality due to bloat and red gut occurred especially when sudden ration changes were made and sudden changes in weather patterns took place.

Human errors in the mixing of ionophors in rations, resulted in deaths due to toxicity.

The need for vitamin A supplementation is high. This vitamin is needed for protection of mucous membranes, skin and growth. All animals should receive supplementation.

Keeping the cold chain in tact when using vaccines and medication is of utmost importance. Lower environmental temperature is not sufficient in protecting vaccines at the crush pen. Sunlight and heat destroys vaccines.

Monthly Feedlot report for May 2015 from Dr. Andy Hentzen

(andyvet@mweb.co.za)

Conditions	Species
Blue ticks	B 3

Brown ear-ticks	B 3
Red-legged ticks	B 3
Biting lice	B 3
Sucking lice	B 3
Nuisance flies	B,O,C 3
Blowflies	C 2
Midges	B 3 (Feedlot)
African red water	B 3
Asiatic red water	B 1
Anaplasmosis	B 3
Blackleg	B 2
Red gut	В3
Ringworm	B 3
IBR	B 3
Warts	B 2
Lameness	В3
Lung	В3
Diarrhoea	В3
Eye problems	В3
Abscesses	B,C 2

Monthly report on Livestock and Wildlife isolations for May 2015 from IDEXX Laboratories supplied by dr. Marijke Henton (maryke@idexxsa.net)

Idexx Laboratories

Respiratory diseases in feedlot cattle were severe during June. There were 10 cases of *Pasteurella multocida*, 8 each of *Mannheimia haemolytica* and *Mycoplasma*, four of *Histophilus somni*, *Trueperella pyogenes* [3], and one each of *Mannheimia* types 7, 8B and 8C.

Virtually all the other cases in cattle were due to *Trueperella pyogenes*. They were from infected semen, mastitis [two cases] and nephritis. The last bovine case was gas gangrene due to *Clostridium perfringens*. There are a number of other *Clostridium* species that rarely cause gas gangrene, and *C. perfringens* is the most common of the rarely encountered group. There is no fluorescent stain for *C. perfringens*, and so the FA stain test remains negative.

Pneumonia in pigs was caused by *Streptococcus suis* [2 cases], and *Streptococcus dysgalactiae* [was *S. equisimilis*] was isolated from infertile sows.

E. coli was isolated from piglets and lambs with diarrhoea.

Wildlife also yielded *Trueperella pyogenes*, from general abscessation in steenbuck, a liver abscess in a springbok, and from the vaginal discharge of a sable after abortion.

A black footed cat yielded *Pasteurella multocida* from a case of pneumonia.

Monthly report for June 2015 from IDEXX laboratories (Onderstepoort) supplied by dr. Liza du Plessis

Condition	Species and numbers affected
Intestinal roundworms	O,C,G 2
Heartwater	G 1
Theileriosis	G 2
Chlamydophyla abortus/pecorum	O,C 1
Pulpy kidney	01
Coccidiosis	G 1
Bovine malignant catarrh	B 2
Protein deficiency	G 2
Energy deficiency	G 2
Abortion	B,O,C,G 2
Pneumonia	B,C,G 2
Diarrhoea	B,G 2
Abscesses	B 1

B – bovine; O – ovine; C – caprine; P – pigs; G – game

1 = one case; 2 = 2 to 9 cases; 3 = more than 10 cases

Monthly report for June 2015 from Dr R D Last (BVSc; M.Med.Vet(Path); MRCVS) Specialist Veterinary Pathologist, Vetdiagnostix - Veterinary Pathology Services

Contributors

- Mr Butch Bosch
- Ms Ntando Magoso
- Mrs Beverley Williams
- Ms Nicole Gengan
- Dr Rick Last

	LIVESTOCK DISEASE SURVE	LANCE	
LIVESTOCK SPECIES	DISEASE AGENT	NO. CASES	LOCATION
African Wild Dog	Dermatophytosis	1	Dubai
Springbok, Ewe	Arcanobacterial embolic pneumonia	1	Rustenburg, North West
Bovine, Weaner	Visceral (Heart-pluck) clostridial myositis	1	Ladysmith, KZN
Bovine, Cow	Malignant Catarrhal Fever	1	Polokwane, Limpopo
Bovine, Calf	Enteric coccidiosis	1	Durbanville, W.Cape
Bovine, Calf	Dilated cardiomyopathy	1	Durbanville, W.Cape
Martial Eagle	Aspergillosis	1	Hoedspruit, Limpopo
Ovine, Lambs	Cardiac glycoside poisoning	1	Humansdorp, E. Cape
Bovine, Fetus	Goitre	1	Estcourt, KZN
Springbok, Ewe	Toxic cardiomyopathy	1	Naboomspruit, Limpopo
Gemsbok, Bull	Dermatophilosis (D. congolense)	1	Naboomspruit, Limpopo
Goat Fetuses	Coxiella burnetti (Q-Fever)	1	Ermelo, Mpumalanga
Bovine, Beef Cow	Systemic mucormycosis	1	Brits, Gauteng
Buffalo, Bull	Chemical rumenitis (macadamia nut overload)	1	Nelspruit, Mpumulanga
Bovine, Calf	Mannheimia haemolytica	1	Dundee, KZN
Bovine, Calves	Mannheimia haemolytica	2	Estcourt, KZN
Bovine, Calf	Systemic mucormycosis	1	Underberg, KZN
Bovine, Bull	Dermatophilosis (D. congolense)	1	Barbeton, Mpumulanga
Caprine, Kid	Mannheimia haemolytica	1	Howick, KZN
Bovine, Calf	Calf Paratyphoid	1	Kokstad, KZN
Bovine, Cow	Algal (Microcystis) poisoning	1	Humansdorp, E. Cape
Bovine Bulls	Tritrichomonas foetus	1	Bergville KZN
Bovine Bulls	Tritrichomonas foetus	1	Underberg, KZN
Bovine Bulls	Tritrichomonas foetus	5	Bergville KZN
Bovine, Aborted Fetus	Meconial aspiration bacterial pneumonia	1	Bethal, Mpumulanga
Buffalo, Bull	Malignant Catarrhal Fever - WB associated	1	Modimole, Limpopo

Mastitis Bacterial Isolates

Bacterial isolate	Number of Cases
Aeromonas spp	
Bacillus cereus	
Citrobacter spp	3
Corynebacterium spp	
Enterobacter spp	
Enterococcus spp	2
Escherchia coli	3
Flavobacterium spp	
Haemolytic Escherchia coli	
Klebsiella spp	1

Proteus spp	
Pseudomonas spp	
Serratia spp	
Staphylococcus aureus	2
Staphyloccoous epidermidis	23
Staphylococcus intermedius group - white	23
Staphylococcus intermedius group - yellow	
Staphylococcus pseudintermedius	6
Stapylococcus spp (Coagulase Negative)	
Streptococcus agalactiae	
Streptococcus dysgalactiae	
Streptococcus pneumoniae	
Streptococcus uberis	8

Report from Pathcare Vetlab, Cape Town – Dr. Lucy Lange (lange@pathcare.co.za)

Disease report June 2015

Conditions that were reported during the last month in the PathCare VetLab. Cases were mostly from the Cape Province, Free State, North West and Namibia.

We often get positive *Brucella* cases (tests now only done by the OVI (Onderstepoort Veterinary Institute).

Tritrichomonas and *Campylobacter* in cattle (bull tests done before sale). These positive cases are widespread throughout the country.

Bacterial infections: *Rhodococcus* in horses, *Pasteurella/Mannheimia* (cattle and sheep), salmonellosis, *E. coli* septicemia. In companion animals numerous cases of staphylococci and streptococci as well as *Microsporum canis* were isolated.

Cattle: neonatal septicaemia, septic abortions, pneumonia, abomasitis in feedlots, *Cestrum* (ink berry) toxicity, heartwater, bacterial hepatitis and squamous cell carcinoma of the eye, anaplasmosis and babesiosis (red water).

Sheep: Johne's disease, CCN, pulpy kidney, *Listeria*, *Fasciola*, white muscle disease, pasteurellosis, pregnancy toxaemia (domsiekte), jaagsiekte, numerous cases of internal parasites and coccidiosis, poor nutrition and protein deficiency.

Goats: Pneumonia and septicaemia in young animals.

Pigs: Balantidium

Horses: abortions are a huge problem, necrotic placentitis (without a cause found), sarcoid and melanoma, babesiosis.

Game and others:

Sable – peritonitis, salmonellosis, calcification of the kidneys

Bat-eared fox – symmetrical encephalomalacia

Springbok – poor nutrition, protein deficiency and septicaemia

Bontebok – capture myopathy and muscle necrosis

Serval (tierboskat) - panleukopaenia

Blesbok – capture myopathy

Roan – theileriosis, myocarditis

Nyala (numerous) – capture myopathy, protein deficiency, nephrosis of unknown origin

Buffalo – coccidiosis

Baboon - human tuberculosis

Impala – lungworm infection and capture myopathy

Zebra – pneumonia and worm infestation

Tsessebes – capture myopathy

Rats - lymphosarcoma