

**Yearly summary of 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**

2018

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

These reports include data from individual practices

Click on Disease Reports

The following practices and laboratories (158) submitted reports during 2018:

Mpumalanga (15)

Balfour – Dr. Louis van Jaarsveld
Bethal – Dr. Hardus Pieters
Delmas – Drs. Du Plessis and Ferreira
Ermelo – Dr. Ben Potgieter
Grootvlei – Dr. Neels van Wyk
Hendrina – Dr. Anja Steinberg
Karino – Dr. Silke Pfitzer
Lydenburg – Dr. Marietjie Malan
Lydenburg – Drs. Trümpelmann and Steyn
Malalane – Drs. Van Sittert and Van Sittert
Middelburg – Drs. Erasmus, Malan and Bernitz
Nelspruit – Dr. André Beytel
Piet Retief – Drs. Niebuhr and Weber
Standerton – Dr. Kobie Kroon
Volksrust – Dr. Johan Blaauw

Gauteng (10)

Bapsfontein – Drs. Engelbrecht and Olivier
Bronkhorstspuit – Dr. De Bruin, De Bruin and Labuschagne
Hammanskraal – Dr. Hentie Engelbrecht
Magaliesburg – Dr. Ryan Jeffery
Muldersdrift – Drs. Speedy and Enslin
Nigel – Dr. Cindy van der Westhuizen

Onderstepoort Veterinary Academic Hospital – Proff. Annandale, Shakespear, Holm, Pettey and Drs, Fitte, Grobler, Hamman, Koeppel, Leask, Mabu, Marufu, Mokoele, O’Dell, Tshuma and Van der Leek
Pretoria – Dr. Hanneke Pienaar
University of Pretoria – Dr. Emily Mitchell
Vanderbijlpark – Dr. Kobus Kok

Limpopo (13)

Bela-Bela (Warmbaths) – Dr. Nele Sabbe
Bela-Bela – Drs. Du toit, Hansen, Bester and Herbst
Lephalale – Dr. Brigitte Luck
Makhado (Louis Trichardt) – Drs. Harris, Klopper and Jacobs
Modimolle (Nylstroom) – Drs. Huber, Bredell and Barnard
Mokopane (Potgietersrust)- Dr. Henk Visser
Mokopane - Dr. Alwyn Venter (CCS)
Polokwane (Pietersburg) – Drs. Watson, Viljoen, Jansen van Vuuren, Van Rooyen, Snyman and Cremona
Thabazimbi – Dr. Gary Bauer
Tzaneen – ZZ2 Farm practice – Dr. Danie Odendaal
Tzaneen – Drs. Cordier and van der Berg
Vaalwater – Dr. Hampie van Staden
Vaalwater – Dr. Annemieke Müller

North West (13)

Brits – Dr. Boshoff and Coertze
Christiana – Dr. Pieter Nel
Klerksdorp – Drs. Geral, Theron, Van den Berg and Van den Berg
Klerksdorp – Drs. Coetzee and Venter
Leeudoringstad – Dr. Ian Jonker
Lichtenburg – Dr. Nelmarie-Krüger-Rall
Potchefstroom – Dr. Marten Ferreira
Rustenburg – Drs. Goosen, Grobler, Sparks, Van Egdom, Van Rensburg and Van Rooyen
Schweizer-Reneke – Dr. Cizelle Naudé
Stella - Dr. Magdaleen Vosser
Ventersdorp/ Koster –Drs. Benadé and Van der Merwe
Vryburg – Dr. Jurie Kritzinger
Vryburg – Drs. De Jager and Rautenbach

Free State (29)

Bethlehem – Drs. Strydom and Strydom
Bethlehem – Dr. J. C. Du Plessis
Bloemfontein – Dr. Stephan Wessels
Bultfontein – Dr. Santjie Pieterse
Clocolan – Drs. Wasserman and Basson

Dewetsdorp – Dr. Marike Badenhorst
Ladybrand – Dr. Dedré Nel
Ficksburg – Drs. Kotzé and Coetzer
Frankfort - Drs. Lessing, Cilliers and Janse van Rensburg
Gariiep Dam – Dr. Marni Malan
Harrismith – Drs. Pretorius and Slabber
Hertzogville – Dr. Nico Hendrikz
Hoopstad – Dr. Kobus Pretorius
Kroonstad – Drs. Daffue, Eksteen, Van Zyl and Van der Walt
Memel – Drs. Nixon and Nixon
Parys – Drs. Wessels and Wessels
Philippolis – Dr. Stephan van Niekerk
Reitz - Dr. Murray Smith
Reitz – Dr. Schabort Froneman
Senekal – Dr. Jan Blignaut
Smithfield – Dr. Nienke van Hasselt
Trompsburg/Springfontein – Dr. Wyn Irwin
Viljoenskroon – Dr. Johan Kahts
Villiers – Drs. Hattingh and Hauptfleish
Vrede – Drs. Myburgh and Bester-Cloete
Vrede – Dr. Rudolph Fourie
Wesselsbron – Dr. Johan Jacobs
Winburg – Drs. Albertyn and Albertyn
Zastron – Drs. Troskie and Strauss

KwaZulu-Natal (16)

Bergville - Dr. Ariena Shepherd
Bergville – Dr. Jubie Muller
Camperdown – Dr. Anthony van Tonder
Dundee – Drs. Marais, Fynn and Reynolds
Eshowe – Drs. Pryke and Hoffman
Estcourt – Drs. Turner, Tedder, Taylor, Tratschler, Van Rooyen and Alwar
Howick – Drs. Hughes, Lund, Gordon, Allison, Taylor
Kokstad/Elliot – Drs. Clowes and Shrives
Mtubatuba – Dr. Trever Viljoen
Newcastle – Dr. Barry Rafferty
Newcastle – State Veterinary Office
Pietermaritzburg – Drs. Kretzmann, Watkins and De Freitas
Pongola – Dr. Heinz Kohrs
Ulundi – Dr. Anelle Duvel
Underberg - Drs. Collins, King and Delaney
Vryheid – Drs. Theron and Theron

Eastern Cape (19)

Adlaide – Dr. Steve Cockroft
Alexandria - Dr. Johan Olivier
Alexandria – Dr. Charlene Boy
Aliwal North – Drs. Troskie and Strauss
Bathurst – Dr. Jane Pistorius
Cofimvaba – Dr. Wener Wentzel
Cradock – Dr. Frans Erasmus
Graaff- Reinet - Dr. Roland Larson
Graaff-Reinet – Drs. Hobson, Strydom and Hennesy
Grahamstown – Drs. Mendes and Dreyer
Humansdorp – Drs. Van Niekerk, Jansen Van Vuuren and Davis
Jeffreys Bay – Drs. Lategan, Hoek and McFarlane
Kareedouw – Dr. Marten Bootsma
Middelburg/Steynsburg – Drs. Van Rooyen and Viljoen
Queenstown – Drs. Du Preez, Godley, Klopper, Jansen van Vuuren, De Klerk and Catherine
Somerset East – Drs. Farrel, Louw and Ross
Stutterheim – Dr. Dave Waterman
Uitenhage – Drs. Mulder and Krüger
Witelsbos – Dr. Elmien Kotze

Western Cape (26)

Beaufort West - Dr. Jaco Pienaar
Western Cape – Dr. Bennie Grobler
Caledon – Drs. Louw and Viljoen
Caledon – Drs. Retief, Coetzer and Jansen
Ceres – Drs. Pieterse, Wium, De Villiers and Scheepers
Darling – Drs. Van der Merwe, Adam and Senekal
George – Drs. Strydom, Truter and Pettifer
Heidelberg – Dr. Albert van Zyl
Malmesbury – Dr. Otto Kriek
Malmesbury – Dr. Markus Fourie
Malmesbury – Drs. Heyns and Zolner
Malmesbury – Drs. Bosman and Groenewald
Malmesbury – Dr. Andries Lesch
Moorreesburg -Drs. Kotzé and Sheridan
Oudtshoorn – Dr. Adriaan Olivier
Oudtshoorn – Dr. Glen Carlisle
Paarl – Dr. Dirk Triegaardt
Piketberg – Dr. André van der Merwe
Plettenberg Bay – Dr. André Reitz

Riversdale – Drs. Du Plessis, Taylor and De Bruyn
Stellenbosch – Dr. Alfred Kidd
Swellendam – Dr. Jacques Malan
Tulbagh/Ceres – Drs. Hamman, Wilson and Triegaardt
Vredenburg – Dr. Izak Rust
Wellington – Dr. Van Zyl and Louw
Worcester – Dr. Kobus Rabe

Northern Cape (9)

Calvinia – Dr. Bertus Nel
Colesberg – Drs. Rous and Rous
De Aar – Dr. Donald Anderson
Kathu – Dr. Jan Vorster
Kimberley – Drs. Van Heerden and Swart
Kuruman – Dr. Gerhard van der Westhuizen
Kuruman – Dr. Lea Shuda
Postmasburg – Dr. Boeta van der Merwe
Upington – Drs. Vorster and Visser

Feedlots (2)

Drs. Morris and Du Preez
Dr. Andy Hentzen

Laboratory reports (6)

Dr. Marijke Henton - Vetdiagnostix, Johannesburg
Dr. Liza du Plessis – Idexx SA - Johannesburg
Dr. Rick Last – Vetdiagnostix, Pietermaritzburg
Dr. Sophette Gers – Pathcare, Cape Town
Dr. Annelie Cloete - Stellenbosch
Dr. Mark Chimes – Dairy Standards, George

Summary of disease report for 2018

158 Reports from veterinary practices and laboratories were received (Mpumalanga (MP) 15; Gauteng (G) 10; Limpopo (L) 13; Northwest (NW) 13; Free State (FS) 29; KwaZulu-Natal (KZN) 16; Eastern Cape (EC) 19; Western Cape (WC) 26; Northern Cape (NC) 9; Feedlots (FL) 2 and Laboratories (Lab) 6).

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

Internal parasites

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

Internal parasites	MP	G	L	NW	FS	KZN	EC	WC	NC
Roundworms	X	X	X	X	X	X	X	X	X
Resistant roundworms	X	X	X	X	X	X	X	X	
Wireworm	X	X	X	X	X	X	X	X	X
Brown stomach-worm		X				X	X	X	
Long-necked bankruptworm									
Large-mouthed bowelworm									
Nodularworm	X					X	X	X	X
Lungworm									
Eyeworm	X		X	X	X		X		
<i>Parafilaria</i>	X	X	X	X		X			X
Tapeworms	X	X	X	X	X	X	X	X	X
Liver fluke	X	X	X	X	X	X	X	X	
Conical fluke	X			X	X	X	X	X	
Cysticercosis (measles)	X	X	X	X	X	X	X	X	X
Schistosomiasis (bilharzia)									
Coccidiosis	X	X	X	X	X	X	X	X	X
Cryptosporidiosis	X	X		X	X	X	X	X	X

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	X	X	X	X	X	X	X	X	X
Resistant blue ticks	X	X	X		X	X		X	
Heartwater ticks	X	X	X	X	X	X	X	X	
Brown ear-ticks	X	X	X	X	X	X	X		
Bont-legged ticks	X	X	X	X	X	X	X		X
Red-legged ticks	X	X	X	X	X	X	X	X	X
Paralysis ticks	X	X			X	X	X	X	X
Tampans									
Biting lice	X			X	X	X	X	X	X
Sucking lice				X	X	X	X	X	X
Itch mites					X	X	X	X	X
Sheep scab	X	X	X	X	X	X	X	X	X
Mange mites	X	X	X	X	X	X	X	X	X
Nuisance flies	X	X		X	X	X	X	X	
Midges	X	X	X	X	X	X	X	X	
Mosquitoes		X	X	X	X	X	X	X	
Blowflies	X	X	X	X	X	X	X	X	
Screw-worm	X	X	X	X	X	X	X	X	
Gedoeelstia (uitpeuloogsiekte)		X			X				
Nasal bot	X	X		X	X	X	X	X	X

Tick borne diseases

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

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

Tick Toxicosis

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

Tick toxicosis	MP	G	L	NW	FS	KZN	EC	WC	NC
Sweating sickness			x	x	x	x			

This disease is caused by the toxin of the bont legged-tick.

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	x	x	x	x	x	x	x	x	x
Ephemeral fever (Three-day-stiff sickness)	x	x	x	x	x	x	x	x	x
Blue tongue	x	x	x	x	x	x	x	x	x
Rift Valley Fever					x				

Wesselsbron									
Nagana						X			

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	X	X	X	X	X	X	X	X	X
Vibriosis	X	X	X	X	X	X	X	X	
Pizzle disease	X	X	X		X	X	X	X	X
<i>Actinobacillus seminis</i> plus HPA				X			X		X

Bacterial diseases

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

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

Rabies (cattle)				X	X	X	X	X	
BVD	X	X	X	X	X	X	X	X	X
IBR	X	X	X	X	X	X	X	X	X
BRSV								X	
PI3								X	
Maedi visna virus									
Rotavirus / Coronavirus	X				X	X	X	X	
Enzootic bovine leucosis (EBL)			X	X	X	X	X	X	
Sheep leucosis				X			X		
Jaagsiekte		X		X			X	X	
Orf	X	X	X	X	X	X	X	X	X
Warts	X	X	X	X	X	X	X	X	X

Fungal diseases

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

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

Protozoal diseases

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

Toxicities

The following toxicities were reported by practices in the provinces:

Bracken fern									
Pollen beetle (<i>Astylus atromaculatus</i>)									
Water contamination		x	x	x	x	x			x
Nitrate					x	x	x	x	x
Tannins								x	
Urea	x		x	x	x	x	x		x
Salt									
Wet carcass syndrome									x
Snake bite	x			x	x	x	x	x	x
Moth cocoons (impaction)									
Blue green algae								x	
Copper				x	x			x	x
Selenium						x		x	
Zinc									
Fluoride									
Lead		x		x	x	x		x	
Paraquat									
Phosamine									
Aldicarb				x					
Organophosphate						x			
Diazinon								x	
Zinc phosphide									
Pyrethroid								x	
Amitraz		x				x		x	

Levamisole									
Ivermectin									
Moxidectin							x		
Oxytetracycline							x		
Tilmicosin									
Bromoxynil nitrate									
Ionophor		x					x		
Monensin				x					x
Hypo								x	
Glyphosate					x				
Chicken litter							x		

Nutritional deficiencies

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

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

Micro-nutritional and vitamin deficiencies

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

Deficiencies	MP	G	L	NW	FS	KZN	EC	WC	NC
Iodine						X	X		
Copper	X	X		X	X	X	X	X	
Zinc				X	X		X	X	X
Selenium	X	X		X	X	X	X	X	X
Magnesium		X		X	X		X	X	
Manganese						X	X	X	
Vitamin A	X	X		X	X	X	X	X	X
Vitamin B 1			X	X		X	X	X	

Multifactorial diseases and other conditions

The following conditions were reported by practices in the provinces

Multifactorial diseases and other conditions	MP	G	L	NW	FS	KZN	EC	WC	NC
Abortions	X	X	X	X	X	X	X	X	X
Stillbirths	X	X	X	X	X	X	X	X	X
Abscesses	X	X	X	X	X	X	X	X	X
Intestinal ulcers				X				X	
Bladder stones –urolithiasis	X	X			X	X	X	X	X
Blindness	X	X			X	X	X	X	X
Bloat	X	X	X		X	X	X	X	X
Blue udder	X	X	X	X	X	X	X	X	X
Diarrhoea	X	X	X	X	X	X	X	X	X
Epididymitis	X	X		X	X		X	X	
Eye cancer	X	X		X	X	X	X	X	X

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

Metabolic diseases

The following diseases were reported by practices in the provinces:

Metabolic diseases	MP	G	L	NW	FS	KZN	EC	WC	NC
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Acidosis	X	X	X	X	X	X	X	X	X
Displaced abomasum		X	X		X	X	X	X	
Ketosis (Domsiekte)	X	X		X	X	X	X	X	X
Milk fever	X	X	X	X	X	X	X	X	X

Reproductive diseases

Reproductive diseases	MP	G	L	NW	FS	KZN	EC	WC	NC
Dystocia (difficult births)	X	X	X	X	X	X	X	X	X
Endometritis		X			X	X	X	X	
Hydrops									
Metritis	X			X	X		X	X	
Poor conception	X	X	X	X	X	X	X	X	X
Retained afterbirth	X			X	X	X		X	
Sheath prolaps	X	X		X	X	X	X		X
Uterine prolaps	X	X	X	X	X	X	X	X	X
Vaginal prolaps	X	X	X	X	X	X	X	X	X
Penis injury									
Orchitis									

Environmental conditions

	MP	G	L	NW	FS	KZN	EC	WC	NC
Exposure to cold	X	X		X	X	X	X	X	X
Frozen to death		X			X		X	X	
Heat stress				X	X	X		X	

Lightning	X		X	X	X	X	X	X	X
Electrocution				X					
Drought	X	X	X	X	X	X	X	X	X

Other conditions

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