THE SCIENCE OF HEALTHIER ANIMALS.

OTC
PRODUCT GUIDE

MSD
Animal Health

THE SCIENCE OF HEALTHIER ANIMALS

MSD Animal Health, is one of the world's leading animal health companies. The company is dedicated to the research and development, production and marketing of innovative, high quality animal health products.

The company's product range includes vaccines, anti-parasitics, anti-infectives, endocrine products for regulation and improvement of breeding performance and productivity enhancers for ruminants, companion animals, pigs and poultry.

MSD Animal Health has always been a research driven company and is proud to have the only South African company-owned research unit in South Africa. This fully accredited Research Unit, based in Malalane, is responsible for both local and international research and product development.

The Malalane Research Unit is situated in the beautiful Kaalrug Valley of the Mpumalanga Lowveld, 26 km from the southern border of the famous Kruger National Park. The main activities taking place at the research unit are the development and testing of new ecto- and endoparasitic drugs. The pastures are naturally infested with ticks and the resident cattle herd is the ideal model for testing the activity and safety of these drugs. Ticks are also tested for resistance to the various ectoparasiticides and farmers are advised on which compounds to use.

A tick management system has been developed to provide advice to farmers. Our research unit provides a rapid and free dip wash analysis service to South African farmers. Users of **MSD Animal Health's** compounds are advised whether their dips are at the correct strength and, if not, what adjustments should be made. The unit is also at the forefront when it comes to the testing of worms for resistance against endoparasiticides. Faecal egg count reduction tests are done to advise farmers which endoparasitic drugs to use. Information days are held to inform farmers and other interested groups on the latest developments in disease control.

Our sales team is strongly supported by our Marketing Department and highly qualified veterinarians. They provide expertise in their respective fields, such as beef, dairy, small livestock, companion animals, pigs and poultry.

MSD Animal Health's goal is to be entirely service focused and provide South African farmers with optimal solutions to all their animal health needs.

ZA/ORUM/0417/0005

MSD Animal Health, is 'n internasionale leier in dieregesondheid. Die maatskappy fokus op navorsing, ontwikkeling en die bemarking van innoverende en hoë kwaliteit dieregesondheidsprodukte.

Die produkreeks bestaan uit entstowwe, antiparasitiese, antimikrobiese en hormonale middels vir estrus-sinkronisering en die bevordering van teelprestasie sowel as groeibevorderaars vir herkouers, geselskapsdiere, varke en pluimvee.

MSD Animal Health was nog altyd 'n navorsingsgedrewe maatskappy en is die trotse eienaar van die enigste Suid-Afrikaanse maatskappy met 'n eie navorsingseenheid. Die navorsingseenheid te Malalane is ten volle geakkrediteer en is verantwoordelik vir beide plaaslike asook internasionale navorsing en produkontwikkeling.

Die Malalane Navorsingseenheid is in die skilderagtige Kaalrugvallei van die Mpumalanga Laeveld geleë – 26 km vanaf die suidelike grens van die Nasionale Kruger Wildtuin. Die primêre aktiwiteite by die navorsingseenheid is die ontwikkeling en evaluering van nuwe inwendige- en uitwendige parasietmiddels. Die weidings is natuurlik met bosluise besmet en die plaaslike beeskudde is die ideale model om die effektiwiteit en veiligheid van die middels te toets. Bosluise word ook vir weerstand teen die verskillende uitwendige parasietmiddels getoets en boere word geadviseer oor watter middels om te gebruik.

'n Bosluisbestuurstelsel is ontwikkel om boere van raad te bedien. Ons navorsingseenheid waar dipmonsters ontleed word, verskaf 'n vinnige en gratis diens aan Suid-Afrikaanse boere. Verbruikers van **MSD Animal Health** se middels word oor die sterkte van die dippe wat gebruik word geadviseer en indien nodig, watter aanpassings gemaak moet word. Hierdie eenheid is in die voorste linie wanneer dit by die toetsing van wurms vir weerstand teen inwendige parasietmiddels kom. Miseiertellings word gedoen om boere te adviseer oor watter inwendige parasietmiddels gebruik kan word. Inligtingsdae word gereeld gehou om boere en ander belangegroepe oor die nuutste ontwikkelinge in siektebeheer in te lig.

Ons verkoopspan word deur die Bemarkingsafdeling en hoogs gekwalifiseerde veeartse bygestaan. Hierdie individue voorsien kundigheid in hul onderskeie velde vir herkouers, melkerye, kleinvee, geselskapsdiere, varke en pluimvee.

MSD Animal Health se doelwit is om diensgedrewe te wees en om Suid-Afrikaanse boere van optimale oplossings vir al hul dieregesondheidsbehoeftes te voorsien.

MSD
Animal Health

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01

VACCINES / ENTSTOWWE

ANTHRAVAX®

REG NO G2064 (Act 36/1947)
NAMIBIA REG NO V95/24.4/495

REGISTERED FOR USE IN PREGNANT ANIMALS

INDICATIONS
For the active immunisation of cattle, sheep and goats against anthrax.

COMPOSITION
Contains a suspension of live spores of an uncapsulated avirulent strain (Sterne 34F2) of *Bacillus anthracis*.

WARNINGS
NO WITHDRAWAL PERIOD.

DIRECTIONS FOR USE
The bottle should be shaken well before doses are withdrawn.

DOSAGE
Cattle: 1 mℓ subcutaneously.
Sheep and goats: 0,5 mℓ subcutaneously.
In goats inject the vaccine in the tail fold.

PRESENTATION
100 mℓ.

GEREGISTREER VIR GEBRUIK IN DRAGTIGE DIERE

INDIKASIES
Vir die aktiewe immunisering van beeste, skape en bokke teen miltsiekte.

SAMESTELLING
Bevat 'n suspensie lewende spore van 'n ongekapsuleerde avirulente stam (Sterne 34F2) van *Bacillus anthracis*.

WAARSKUWINGS
GEEN ONTTREKKINGSPERIODE.

GEBRUIKSAANWYSINGS
Die bottel moet deeglik geskud word voor onttrekking van die dosisse.

DOSIS
Beeste: 1 mℓ onderhuids.
Skape en bokke: 0,5 mℓ onderhuids.
By bokke moet die entstof in die stertvou toegedien word.

AANBIEDING
100 mℓ.

BLANTHRAX®

REG NO G1593 (Act 36/1947)
NAMIBIA REG NO V93/24.4/520

REGISTERED FOR USE IN PREGNANT ANIMALS

INDICATIONS
Combined vaccine for the active immunisation of cattle, sheep and goats against anthrax and black quarter (Quarter Evil).

COMPOSITION
Contains a suspension of living spores of an uncapsulated avirulent strain (Sterne 34F2) of *Bacillus anthracis* in alum-precipitated *Clostridium chauvoei* vaccine.

WARNINGS
NO WITHDRAWAL PERIOD.

DIRECTIONS FOR USE
The bottle should be shaken well before doses are withdrawn.

DOSAGE
All animals: 2 mℓ subcutaneously.
In goats inject the vaccine in the tail fold.

PRESENTATION
150 mℓ.

GEREGISTREER VIR GEBRUIK IN DRAGTIGE DIERE

INDIKASIES
Gekombineerde entstof vir die aktiewe immunisering van beeste, skape en bokke teen miltsiekte en sponssiekte.

SAMESTELLING
Bevat 'n suspensie lewende spore van 'n ongekapsuleerde avirulente stam (Sterne 34F2) *Bacillus anthracis* in aluin-gepresipiteerde *Clostridium chauvoei* entstof.

WAARSKUWINGS
GEEN ONTTREKKINGSPERIODE.

GEBRUIKSAANWYSINGS
Die bottel moet deeglik geskud word voor onttrekking van die dosisse.

DOSIS
Alle diere: 2 mℓ onderhuids.
By bokke moet die entstof in die stertvou toegedien word.

AANBIEDING
150 mℓ.

BOTUTHRAX

REG NO G3783 (Act 36/1947)

NAMIBIA REG NO V07/24.4/54

INDICATIONS
For the active immunisation of healthy cattle, sheep and goats against botulism and anthrax. Immunity is established within 3 – 4 weeks after inoculation, and lasts for approximately one year.

COMPOSITION
BOTUTHRAX contains inactivated alum-precipitated toxoids obtained from cultures of highly toxigenic strains of *Clostridium botulinum* types C and D and a suspension of living spores of an uncapsulated avirulent strain (Sterne 34F2) of *Bacillus anthracis*.

WARNINGS
WITHDRAWAL PERIOD: DO NOT SLAUGHTER ANIMALS FOR HUMAN CONSUMPTION WITHIN 14 DAYS OF VACCINATION. For full particulars please see product package insert.

DIRECTIONS FOR USE
Use only as directed.

Shake before use. A short needle is recommended (15 – 20 mm). Select the smallest needle through which product will flow easily (usually 16 to 18 gauge needle). Careful vaccination technique is required to ensure correct delivery. A two-handed technique with pinching of the skin and injection under the fold is recommended (tenting method).

DOSAGE
Cattle, sheep and goats: 2 mℓ subcutaneously.

PRESENTATION
100 mℓ

INDIKASIES
Vir die aktiewe immunisering van gesonde beeste, skape en bokke teen lamsiekte en miltsiekte. Immuniteit word binne 3 – 4 weke na inenting teweeggebring en is vir omtrent een jaar doeltreffend.

SAMESTELLING
BOTUTHRAX bevat geïnaktiveerde aluin-gepresipiteerde toksoïedes verkry van stamme van *Clostridium botulinum* tipes C en D en 'n suspensie lewende spore van 'n ongekapsuleerde avirulente stam (Sterne 34F2) van *Bacillus anthracis*.

WAARSKUWINGS
ONTTREKKINGSPERIODE: MOET NIE DIERE BINNE 14 DAE NA INENTING VIR MENSLIKE VERBRUIK SLAG NIE. Vir volledige besonderhede sien produk voubiljet.

GEBRUIKSAANWYSINGS
Gebruik slegs soos aangedui.

Skud goed voor gebruik. 'n Kort naald word aanbeveel (15 – 20 mm). Kies die kleinste naald waardeur die produk maklik sal vloei (gewoonlik nr. 16 tot 18 naald). Versigtige inentingstegniek is 'n vereiste om korrekte aflewering te verseker. 'n Twee-handige tegniek met knyping van die vel en inenting onder die vou word aanbeveel (tentmetode).

DOSIS
Beeste, skape en bokke: 2 mℓ onderhuids.

AANBIEDING
100 mℓ

BOTUVAX®

REG NO G2193 (Act 36/1947)

NAMIBIA REG NO V98/24.4/333

INDICATIONS
For the active immunisation of cattle, horses, sheep and goats against botulism.

COMPOSITION
BOTUVAX® is a colourless liquid with off-white precipitate which resuspends on shaking. It contains formalinised, alum-precipitated *Clostridium botulinum* types C 1 + 2 and D toxoids.

WARNINGS
DO NOT SLAUGHTER ANIMALS FOR HUMAN CONSUMPTION WITHIN 7 DAYS OF VACCINATION.

DIRECTIONS FOR USE
Animals can be vaccinated from 3 months of age.

Animals that have not previously been immunised should be given 2 injections of vaccine at an interval of 4 – 6 weeks.

Administer 1 booster injection annually.

DOSAGE
Cattle and horses: 2 mℓ subcutaneously.
Sheep and goats: 1 mℓ subcutaneously.

PRESENTATION
100 mℓ

INDIKASIES
Vir die aktiewe immunisering van beeste, perde, skape en bokke teen lamsiekte.

SAMESTELLING
BOTUVAX® is 'n kleurlose vloeistof met 'n naaswit afsaksel wat met skud hersuspendeer. Dit bevat geformaliniseerde, aluin-gepresipiteerde *Clostridium botulinum* tipes C 1 + 2 en D toksoïedes.

WAARSKUWINGS
MOET NIE DIERE BINNE 7 DAE NA INENTING VIR MENSLIKE VERBRUIK SLAG NIE.

GEBRUIKSAANWYSINGS
Diere kan ingeënt word vanaf 3 maande ouderdom.

Diere wat nie voorheen geïmmuniseer was nie, moet behandel word met 2 inspuitings entstof met 'n tussenpose van 4 – 6 weke.

'n Jaarlikse skraagdosis moet toegedien word.

DOSIS
Beeste en perde: 2 mℓ onderhuids.
Skape en bokke: 1 mℓ onderhuids.

AANBIEDING
100 mℓ

BOVILIS® S

REG NO G3763 (Act 36/1947)

NAMIBIA REG NO V07/24.4/375

INDICATIONS
An aid in the control of cattle salmonellosis caused by *Salmonella dublin* and *Salmonella typhimurium*. After natural challenge with *Salmonella* spp., vaccinated animals may develop mild disease but do not shed the organisms.

COMPOSITION
BOVILIS® S is a bivalent, killed, whole cell vaccine containing *Salmonella dublin* and *Salmonella typhimurium* antigens. Each 1 mℓ contains a minimum of 5 x 10^8 organisms of inactivated *Salmonella dublin* and 5 x 10^8 organisms of inactivated *Salmonella typhimurium* with thiomersal 0,1 mg as a preservative.

DIRECTIONS FOR USE
Shake before and during use.

Use needles of appropriate length and gauge i.e. 16 gauge 15 mm.

DOSAGE
2 mℓ subcutaneously. The recommended site of injection is that used for routine injection in cattle i.e. under the skin in the neck.

VACCINATION PROGRAMME
It is recommended that cows should be vaccinated twice with a 2 mℓ subcutaneous injection 3 to 4 weeks apart. Then a booster dose is given every 12 months. For colostral protection, vaccinate pregnant cows approximately 8 and 3 weeks before calving. Calves should be fed colostrum from vaccinated cows for at least 5 days after birth.

PRESENTATION
20 mℓ and 100 mℓ

INDIKASIES
'n Hulpmiddel in die beheer van beessalmonellose veroorsaak deur *Salmonella dublin* en *Salmonella typhimurium*. Na natuurlike uitdaging met *Salmonella* spp., mag geënte diere ligte siekte ontwikkel maar skei nie die organismes uit nie.

SAMESTELLING
BOVILIS® S is 'n bivalente, dooie, heelsel entstof wat *Salmonella dublin* en *Salmonella typhimurium* antigene bevat. Elke 1 mℓ bevat 'n minimum van 5 x 10^8 organismes van geïnaktiveerde *Salmonella dublin* en 5 x 10^8 organismes van geïnaktiveerde *Salmonella typhimurium* met tiomersal 0,1 mg as 'n preserveermiddel.

GEBRUIKSAANWYSINGS
Skud goed voor en gedurende gebruik.

Gebruik naalde van geskikte lengte en maat d.w.s.16 maat 15 mm.

DOSIS
2 mℓ onderhuids. Die aanbevole plek van inspuiting is dié wat gebruik word vir gewone inspuiting van beeste d.w.s. onderhuids in die nek.

INENTINGSPROGRAM
Dit word aanbeveel dat beeste twee keer met 'n 2 mℓ onderhuidse inspuiting geënt moet word met 3 tot 4 weke tussenposes. Daarna moet 'n skraagdosis elke 12 maande gegee word. Vir kolostrum beskerming, ent dragtige koeie omtrent 8 en 3 weke voor kalwing. Kalwers moet kolostrum van geënte koeie vir ten minste 5 dae na geboorte gevoer word.

AANBIEDING
20 mℓ en 100 mℓ

BOVI-TECT III

REG NO G3211 (Act 36/1947)

NAMIBIA REG NO V03/24.4/684

INDICATIONS
The combination vaccine is to be used in cattle only. The combination vaccine reduces the incidence of morbidity and mortality caused by undifferentiated bovine respiratory disease (pasteurellosis) associated with *M. haemolytica*, BHV-1 (infectious bovine rhinotracheitis - IBR) and BVDV-1. This vaccine is recommended for inclusion in a vaccination programme for feedlot cattle at processing.

COMPOSITION
Cell-free supernatant of *Mannheimia (Pasteurella) haemolytica* biotype A serotype 1/17 leukotoxin and modified live IBR and BVD viruses.

WARNINGS
NOT FOR USE IN PREGNANT ANIMALS OR DAIRY HERDS. For use in cattle from 3 months of age.

DIRECTIONS FOR USE
USE ONLY AS DIRECTED

For the 100 mℓ pack size - draw up 2 to 3 mℓ of the *Mannheimia (Pasteurella) haemolytica* component from the large 100 mℓ bottle and inject into the smaller 7 mℓ glass vial containing the modified live viruses. Aspirate contents and transfer back into the large 100 mℓ bottle.

For the 10 mℓ pack size - draw up 2 to 3 mℓ of the *Mannheimia (Pasteurella) haemolytica* component from the 10 mℓ bottle and inject into the 7 mℓ glass vial containing the modified live viruses. Aspirate contents and transfer back into the 10 mℓ bottle.

DOSAGE
1 mℓ of the combination vaccine per animal subcutaneously.

PRESENTATION
100 mℓ polypropylene bottle with a 7 mℓ glass vial containing freeze-dried viruses.

10 mℓ polypropylene bottle with a 7 mℓ glass vial containing freeze dried viruses.

INDIKASIES
Die entstof is slegs vir gebruik in beeste. Die kombinasie entstof verminder morbiditeit en mortaliteit veroorsaak deur ongedifferensieërde bees respiratoriese siektes (pasteurellose) geassosieer met *M. haemolytica* en BHV-1 (infektiewe bees-rinotrageïtis - IBR) en BVDV-1. Die entstof word aanbeveel vir insluiting in 'n entstofprogram vir voerkraalbeeste tydens prosessering.

SAMESTELLING
Selvrye supernatant van *Mannheimia (Pasteurella) haemolytica* biotipe A serotipe 1/17 leukotoksien en gemodifiseerde lewende IBR en BVD virusse.

WAARSKUWINGS
NIE VIR GEBRUIK IN DRAGTIGE KOEIE OF MELKKUDDES NIE. Vir gebruik in beeste ouer as 3 maande.

GEBRUIKSAANWYSINGS
GEBRUIK SLEGS SOOS AANGEDUI

Vir die 100 mℓ verpakking – trek 2 tot 3 mℓ van die *Mannheimia (Pasteurella) haemolytica* komponent uit die 100 mℓ houer en spuit dit in die 7 mℓ glashouer met die gemodifiseerde lewende IBR en BVD virusse. Meng goed, aspireer die inhoud en plaas terug in groot 100 mℓ houer.

Vir die 10 mℓ verpakking - trek 2 tot 3 mℓ van die *Mannheimia (Pasteurella) haemolytica* komponent uit die 10 mℓ houer en spuit dit in die 7 mℓ glashouer met die gemodifiseerde lewende IBR en BVD virusse. Meng goed, aspireer die inhoud en plaas terug in 10 mℓ houer.

DOSIS
1 mℓ per dier van die gekombineerde entstof wat onderhuids toegedien word.

AANBIEDING
100 mℓ polipropileenbottel met 'n 7 mℓ glashouer wat gevriesdroogde virusse bevat.

10 mℓ polipropileenbottel met 'n 7 mℓ glashouer wat gevriesdroogde virusse bevat.

BOVI-TECT P

REG NO G3002 (Act 36/1947)

NAMIBIA REG NO V02/24.4/689

INDICATIONS
Mannheimia (Pasteurella) haemolytica vaccine for cattle. For optimum usage consult your veterinarian.

COMPOSITION
Cell-free supernatant of *Mannheimia (Pasteurella) haemolytica* biotype A serotype 1/17 leukotoxin.

WARNINGS
For use in cattle from 3 months of age.

DIRECTIONS FOR USE
The vaccine can be used safely in dairy, extensive beef and stud animals older than 3 months of age.

DOSAGE
1 mℓ per animal subcutaneously.

PRESENTATION
100 mℓ polypropylene container with 100 mℓ fluid content.

10 mℓ polypropylene container with 10 mℓ fluid content.

INDIKASIES
Mannheimia (Pasteurella) haemolytica entstof vir beeste. Kontak u veearts vir optimale aanwending.

SAMESTELLING
Selvrye kultuur supernatant van *Mannheimia (Pasteurella) haemolytica* biotipe A serotipe 1/17 leukotoksien.

WAARSKUWINGS
Vir gebruik in beeste vanaf die ouderdom van 3 maande.

GEBRUIKSAANWYSINGS
Die entstof kan met veiligheid aan melkbeeste, vleisbeeste en stoetdiere ouer as 3 maande toegedien word.

DOSIS
1 mℓ per dier onderhuids

AANBIEDING
100 mℓ polipropileenhouer met 100 mℓ inhoud.

10 mℓ polipropileenhouer met 10 mℓ inhoud.

BOVI-TECT PI

REG NO G3001 (Act 36/1947)

NAMIBIA REG NO V02/24.4/786

INDICATIONS
Mannheimia (Pasteurella) haemolytica vaccine for cattle, to be used in conjunction with infectious bovine rhinotracheitis (IBR) modified live virus supplied in a separate vial labelled clearly: **BOVI-TECT PI – IBR component**. For optimum usage consult your veterinarian.

COMPOSITION
Purified, cell-free supernatant of *Mannheimia (Pasteurella) haemolytica* biotype A serotype 1/17 leukotoxin plus modified live IBR virus.

WARNINGS
For use in cattle only.

DIRECTIONS FOR USE
For the 100 mℓ pack size – draw up 2 to 3 mℓ of the *Mannheimia (Pasteurella) haemolytica* component from the large 100 mℓ bottle and inject into the smaller 7 mℓ glass vial containing the modified live IBR virus. Use the 7 mℓ glass vial intended for the 100 mℓ pack size. Mix well by swirling the vial. Aspirate contents and transfer back into the large 100 mℓ bottle.

For the 10 mℓ pack size – draw up 2 to 3 mℓ of the *Mannheimia (Pasteurella) haemolytica* component from the 10 mℓ bottle and inject into the smaller 7 mℓ glass vial containing the modified live IBR virus. Use the 7 mℓ glass vial intended for the 10 mℓ pack size. Mix well by swirling the vial. Aspirate contents and transfer back into the 10 mℓ bottle.

DOSAGE
1 mℓ of the combined vaccine per head administered subcutaneously.

PRESENTATION
100 mℓ polypropylene bottle with a 7 mℓ glass vial containing freeze-dried viruses.

10 mℓ polypropylene bottle with a 7 mℓ glass vial containing freeze-dried viruses.

INDIKASIES
Mannheimia (Pasteurella) haemolytica entstof vir beeste, vir gebruik saam met lewende gemodifiseerde aansteeklike beesrinotrageïtis (IBR) virus wat verskaf word in 'n aparte glashouer wat duidelik gemerk is met etiket: **BOVI-TECT PI – IBR komponent**. Kontak u veearts vir optimale aanwending.

SAMESTELLING
Selvrye kultuur supernatant van *Mannheimia (Pasteurella) haemolytica* biotipe A serotipe 1/17 leukotoksien plus, gemodifiseerde lewende IBR virus.

WAARSKUWINGS
Slegs vir gebruik in beeste.

GEBRUIKSAANWYSINGS
Vir die 100 mℓ verpakking – trek 2 tot 3 mℓ van die *Mannheimia (Pasteurella) haemolytica* komponent uit die 100 mℓ houer en spuit dit in die 7 mℓ glashouer met die gemodifiseerde lewende IBR virus. Gebruik die 7 mℓ glashouer wat vir die 100 mℓ verpakking bedoel is. Meng goed, aspireer die inhoud en plaas terug in die groot 100 mℓ houer.

Vir die 10 mℓ verpakking – trek 2 tot 3 mℓ van *Mannheimia (Pasteurella) haemolytica* komponent uit die 10 mℓ houer en spuit dit in die kleiner 7 mℓ glashouer met die gemodifiseerde lewende IBR virus. Gebruik die 7 mℓ glashouer wat vir die 10 mℓ verpakking bedoel is. Meng goed, aspireer die inhoud en plaas terug in die 10 mℓ houer.

DOSIS
1 mℓ per dier van die gekombineerde entstof wat onderhuids toegedien word.

AANBIEDING
100 mℓ polipropileenbottel met 'n 7 mℓ glashouer wat gevriesdroogde virusse bevat.

10 mℓ polipropileenbottel met 'n 7 mℓ glashouer wat gevriesdroogde virusse bevat.

COVEXIN®10

REG NO G3354 (Act 36/1947)

NAMIBIA REG NO V05/24.4/413

INDICATIONS
Clostridial vaccine for sheep and cattle.

COMPOSITION
For the active immunisation of sheep and cattle against *Clostridium perfringens* types A, B, C and D, *C. chauvoei, C. novyi, C. septicum, C. tetani, C. sordellii* and *C. haemolyticum.*

WARNINGS
Only vaccinate healthy animals.

It is not recommended that other vaccines be administered within 14 days before or after vaccination with **COVEXIN®10**.

DIRECTIONS FOR USE
Shake well before and during use.

Administration:
Subcutaneous injection, preferably in the loose skin on the side of the neck.

DOSAGE
Subcutaneous injection.
Sheep and lambs over 2 weeks of age:
Two injections of 1 mℓ each at an interval of 6 weeks, and a booster annually thereafter.

Cows and calves over 2 weeks of age:
Two injections of 2 mℓ each at an interval of 6 weeks, and a booster annually thereafter.

PRESENTATION
100 mℓ

INDIKASIES
Klostridiale entstof vir skape en beeste.

SAMESTELLING
Vir die aktiewe immunisering van skape en beeste teen *Clostridium perfringens* tipes A, B, C en D, *C. chauvoei, C. novyi, C. septicum, C. tetani, C. sordellii* en *C. haemolyticum.*

WAARSKUWINGS
Ent slegs gesonde diere.

Dit word nie aanbeveel dat ander entstowwe binne 14 dae voor of na enting met **COVEXIN®10** toegedien word nie.

GEBRUIKSAANWYSINGS
Skud goed voor en gedurende gebruik.

Toediening:
Onderhuidse inspuiting, verkieslik in die los vel op die kant van die nek.

DOSIS
Onderhuidse inspuiting.
Skape en lammers ouer as 2 weke:
Twee inspuitings van 1 mℓ elk, met 'n tussenpose van 6 weke en 'n jaarlikste skraagdosis.

Koeie en kalwers ouer as 2 weke:
Twee inspuitings van 2 mℓ elk, met 'n tussenpose van 6 weke en 'n jaarlikse skraagdosis.

AANBIEDING
100 mℓ

DUOVAX

REG NO G2328 (Act 36/1947)

NAMIBIA REG NO V96/24.4/506

INDICATIONS
For the active immunisation of cattle, sheep and goats against botulism and black quarter (Quarter Evil).

COMPOSITION
DUOVAX is a colourless liquid with an off-white precipitate which resuspends on shaking. It contains formalinised, inactivated alum-precipitated toxoids of *Clostridium chauvoei* and *Clostridium botulinum* types C1 + 2 and D.

WARNINGS
DO NOT SLAUGHTER ANIMALS FOR HUMAN CONSUMPTION WITHIN 21 DAYS OF VACCINATION.

DIRECTIONS FOR USE
The bottle should be shaken well before doses are withdrawn.

DOSAGE
Cattle: 2 mℓ subcutaneously

Sheep and Goats: 2 mℓ subcutaneously

Calves should be immunised before they are weaned i.e. at 4 – 5 months and a second injection must be administered 4 – 6 weeks later.

Lambs and kids can be immunised from 3 months of age and a second injection must be administered 4 – 6 weeks later.

Goats should be immunised in the loose skin under the tail.

PRESENTATION
100 mℓ

INDIKASIES
Vir die aktiewe immunisering van beeste, skape en bokke teen lamsiekte en sponssiekte.

SAMESTELLING
DUOVAX is 'n kleurlose vloeistof met 'n naaswit afsaksel wat hersuspendeer wanneer dit geskud word. Dit bevat geformaliniseerde, geïnaktiveerde aluin-gepresipiteerde toksoïedes van *Clostridium chauvoei* en *Clostridium botulinum tipes* C1 + 2 en D.

WAARSKUWINGS
MOET NIE DIERE BINNE 21 DAE NA INENTING VIR MENSLIKE GEBRUIK SLAG NIE.

GEBRUIKSAANWYSINGS
Die bottel moet deeglik geskud word voor onttrekking van die dosisse.

DOSIS
Beeste: 2 mℓ onderhuids

Skape en Bokke: 2 mℓ onderhuids

Kalwers behoort geënt te word voor hulle gespeen word d.w.s. op 4 – 5 maande en 'n tweede enting moet 4 – 6 weke later toegedien word.

Lammers en boklammers kan van 3 maande ouderdom geënt word en 'n tweede enting moet 4 – 6 weke later toegedien word.

Bokke moet ingeënt word in die los vel onder die stert.

AANBIEDING
100 mℓ

LUMPYVAX®

REG NO G3673 (Act 36/1947)

NAMIBIA REG NO V06/24.4/184

INDICATIONS
For the prophylactic immunisation of cattle against lumpy skin disease.

COMPOSITION
Each 1 mℓ (1 dose) of vaccine contains 10^4 $TCID_{50}$ of freeze-dried, live, attenuated virus (SIS Neethling-type).

WARNINGS
DO NOT SLAUGHTER ANIMALS FOR HUMAN CONSUMPTION WITHIN 21 DAYS OF VACCINATION.

DIRECTIONS FOR USE
Use a sterile syringe to transfer approximately 5 mℓ of sterile diluent to the bottle containing the freeze-dried vaccine.

Mix until all the powder is dissolved and then transfer this suspension back to the remaining sterile diluent and again mix well using the sterile syringe.

Shake the bottle before filling the syringe.

DOSAGE
Inject 1 mℓ per animal subcutaneously

PRESENTATION
20 mℓ and 100 mℓ.

INDIKASIES
Vir die voorbehoedende inenting van beeste teen knopvelsiekte.

SAMESTELLING
Elke 1 mℓ (1 dosis) van entstof bevat 10^4 $TCID_{50}$ gevriesdroogde, lewende, verswakte virus (SIS Neethling-tipe).

WAARSKUWINGS
MOET NIE DIERE BINNE 21 DAE NA INENTING VIR MENSLIKE GEBRUIK SLAG NIE.

GEBRUIKSAANWYSINGS
Gebruik 'n steriele spuit om ongeveer 5 mℓ steriele verdunningsvloeistof na die bottel wat die gevriesdroogde entstof bevat, oor te dra.

Meng deeglik totdat die poeier opgelos is, spuit hierdie suspensie terug in die oorblywende steriele verdunningsvloeistof en meng weer deeglik met behulp van die steriele spuit.

Skud die bottel goed voor gebruik.

DOSIS
Ent 1 mℓ per dier onderhuids

AANBIEDING
20 mℓ en 100 mℓ.

MULTICLOS

REG NO G3392 (Act 36/1947)

NAMIBIA REG NO V04/24.4/723

INDICATIONS
MULTICLOS is a vaccine for the active immunisation of healthy cattle and sheep against blackleg, malignant oedema (gas gangrene), bacillary haemoglobinuria, black disease (infectious necrotic hepatitis), diarrhoea, haemorrhagic enterotoxaemia and pulpy kidney disease.

COMPOSITION
MULTICLOS is a water based injectable, including an alum precipitate, containing toxoids obtained from cultures in liquid media of suitable strains of *Clostridium septicum*, *Clostridium novyi* type B (also known as *Clostridium oedematiens* type B), *Clostridium sordellii* and *Clostridium perfringens* type C and D (also known as *Clostridium welchii* type C and D), as well as anacultures of *Clostridium chauvoei* and *Clostridium haemolyticum* (also known as *Clostridium novyi* type D), inactivated and concentrated in such manner that immunogenic activity is retained.

WARNINGS
ANIMALS SHOULD NOT BE SLAUGHTERED FOR HUMAN CONSUMPTION WITHIN 3 WEEKS OF VACCINATION.

DIRECTIONS FOR USE
Shake well before use.
Inoculate by subcutaneous injection.

For animals that have never been immunised before, two doses should be given separated by an interval of 3 to 4 weeks.

DOSAGE
Cattle: 5 mℓ subcutaneously.

Sheep: 3 mℓ subcutaneously.

PRESENTATION
100 mℓ and 250 mℓ.

INDIKASIES
MULTICLOS is 'n entstof vir die aktiewe immunisering van gesonde beeste en skape teen sponssiekte, kwaadaardige edeem (gasgangreen), basillêre hemoglobinurie, aansteeklike nekrotiese hepatitis, diarree, hemorrhagiese enterotoksemie en bloednier.

SAMESTELLING
MULTICLOS is 'n water-basis inspuiting, met gepresipiteerde aluin, wat geïnaktiveerde stamme van *Clostridium septicum*, *Clostridium novyi* tipe B (ook bekend as *Clostridium oedematiens* tipe B), *Clostridium sordellii* en *Clostridium perfringens* tipes C en D (ook bekend as *Clostridium welchii* tipe C en D), asook anakulture van *Clostridium chauvoei* en *Clostridium haemolyticum* (ook bekend as *Clostridium novyi* tipe D) bevat, geïnaktiveer en gekonsentreer op so 'n manier om immuunstimulerende aktiwiteit te behou.

WAARSKUWINGS
DIERE MOET NIE VIR MENSLIKE GEBRUIK GESLAG WORD BINNE 3 WEKE NA TOEDIENING VAN ENTSTOF NIE.

GEBRUIKSAANWYSINGS
Skud deeglik voor gebruik.
Toediening deur onderhuidse inspuiting.

By diere wat nog nie voorheen ingeënt is nie, moet twee dosisse, met 'n tussenpose van 3 tot 4 weke toegedien word.

DOSIS
Beeste: 5 mℓ onderhuids.

Skape: 3 mℓ onderhuids.

AANBIEDING
100 mℓ en 250 mℓ.

MULTIVAX-P

REG NO G1517 (Act 36/1947)
NAMIBIA REG NO V92/24.4/521

INDICATIONS
For the active immunisation of sheep against pulpy kidney, malignant oedema, black quarter, tetanus and pasteurellosis caused by organisms listed below. In particular the vaccine is recommended as an aid in the prevention of pneumonic and septicaemic pasteurellosis in lambs.

COMPOSITION
An opaque fluid vaccine prepared from the purified formol toxoids of *Clostridium perfringens (C. welchii)* type D, *Clostridium septicum*, *Clostridium tetani*, purified formalin killed cultures of *Clostridium chauvoei* and iron-regulated antigens from the epidemiologically most important serotypes of *Mannheimia (Pasteurella) haemolytica* in buffered physiological saline and adsorbed onto aluminium hydroxide. The product is preserved with 0,013 % thiomersal.

WARNINGS
NO WITHDRAWAL PERIOD

The vaccine contains an adjuvant which may cause a temporary nodule at the site of injection.

DIRECTIONS FOR USE
The bottle should be shaken well before doses are withdrawn.

DOSAGE
Sheep of all ages, 2 mℓ subcutaneously. For a booster dose repeat the dosage after an interval of 4 to 6 weeks.

PRESENTATION
100 mℓ, 250 mℓ and 500 mℓ.

INDIKASIES
Vir die aktiewe immunisering van skape teen bloednier, kwaadaardige edeem, sponssiekte, klem-in-die-kaak en pasteurellose veroorsaak deur die ondergenoemde organismes. Die entstof word veral aanbeveel as 'n hulpmiddel in die voorkoming van long- en septisemiese pasteurellose in lammers.

SAMESTELLING
'n Ondeursigtige vloeibare entstof voorberei uit suiwer formol toksoïedes van *Clostridium perfringens (C. welchii)* tipe D, *Clostridium septicum*, *Clostridium tetani*, gesuiwerde formalien geïnaktiveerde kulture van *Clostridium chauvoei* en ysterregulerende proteïene van die epidemiologies belangrikste serotipes van *Mannheimia (Pasteurella) haemolytica* in gebufferde fisiologiese sout en in aluminiumhidroksied geadsorbeer. Die produk is gepreserveer met 0,013 % tiomersal.

WAARSKUWINGS
GEEN ONTTREKKINGSPERIODE

Die entstof bevat 'n adjuvant wat 'n tydelike knop by die plek van inspuiting mag veroorsaak.

GEBRUIKSAANWYSINGS
Die bottel moet deeglik geskud word voor onttrekking van die dosisse.

DOSIS
Skape van alle ouderdomme, 2 mℓ onderhuids. Vir 'n skraagdosis herhaal die dosis na 'n tussenperiode van 4 tot 6 weke.

AANBIEDING
100 mℓ, 250 mℓ en 500 mℓ.

MULTIVAX-P PLUS

REG NO G3694 (Act 36/1947)
NAMIBIA REG NO V06/24.4/183

INDICATIONS
For the active immunisation of sheep as an aid in the control of lamb dysentery, pulpy kidney, tetanus, blackleg, clostridial metritis (malignant oedema of the uterus), bloodgut and infections caused by *Clostridium novyi* type B. The vaccine may be used as an aid in the control of pneumonic pasteurellosis in sheep of all ages, minimum age of 3 weeks and in the control of systemic pasteurellosis in weaned fattening and breeding sheep. The vaccine may be used in pregnant ewes as an aid in the control of lamb dysentery, pulpy kidney, bloodgut, tetanus and pasteurellosis in their lambs provided that the lambs receive sufficient immune colostrum during the first 1 – 2 days of life.

COMPOSITION
Combined 7 in 1 Clostridial plus *Pasteurella* vaccine. An opaque fluid vaccine containing toxoids of *Clostridium perfringens* types B, C and D, *Clostridium septicum*, *Clostridium tetani*, *Clostridium novyi* type B, formalin killed cells and toxoids of *Clostridium chauvoei* and iron-regulated antigens from the epidemiologically most important serotypes of *Mannheimia (Pasteurella) haemolytica* and *Pasteurella trehalosi* in buffered physiological saline adsorbed onto aluminium hydroxide. The product is preserved with thiomersal.

WARNINGS
NO WITHDRAWAL PERIOD.
The vaccine contains an adjuvant which may cause a small transient injection site reaction possibly lasting for up to 3-4 months after vaccination.

DIRECTIONS FOR USE
Use only as directed – shake well before use.

DOSAGE
Sheep of all ages, 2 mℓ per injection subcutaneous.

PRESENTATION
100 mℓ, 250 mℓ and 500 mℓ.

INDIKASIES
Vir die aktiewe immunisering van skape as hulpmiddel in die beheer teen bloedpens, bloednier, klem-in-die-kaak, sponssiekte, klostridiale baarmoederontsteking (kwaadaardige edeem van die baarmoeder), bloedderm en infeksies veroorsaak deur *Clostridium novyi* tipe B. Die entstof kan ook as hulpmiddel in die beheer van pneumoniese pasteurellose in gespeende vetmaak- en teelskape gebruik word. Die entstof kan gebruik word in dragtige ooie as 'n hulpmiddel in die beheer van bloedpens, bloednier, bloedderm, klem-in-die-kaak en pasteurellose in lammers, mits die lam voldoende kolostrum (biesmelk) die eerste twee dae van lewe ontvang.

SAMESTELLING
'n Gekombineerde 7 in 1 klostridiale en *Pasteurella* entstof.
'n Ondeursigtige vloeibare entstof bestaande uit toksoïedes van *Clostridium perfringens* tipes B, C en D, *Clostridium septicum, Clostridium tetani, Clostridium novyi* tipe B, formalien geïnaktiveerde selle en toksoïede van *Clostridium chauvoei* en ysterregulerende proteïene van die epidemiologies mees belangrike serotipes van *Mannheimia (Pasteurella) haemolytica* en *Pasteurella trehalosi* in gebufferde fisiologiese sout en op aluminiumhidroksied geadsorbeer. Die produk is gepreserveer met tiomersal.

WAARSKUWINGS
GEEN ONTTREKKINGSPERIODE NIE.
Die entstof bevat 'n adjuvant wat moontlik 'n verbygaande reaksie by die plek van inspuiting kan veroorsaak, wat 3-4 maande na inenting mag voortduur.

GEBRUIKSAANWYSINGS
Gebruik slegs soos aangedui – skud goed voor gebruik.

DOSIS
Skape van alle ouderdomme, 2 mℓ onderhuidse inspuiting.

AANBIEDING
100 mℓ, 250 mℓ en 500 mℓ.

OVILIS® ENZOVAX

REG NO G2758 (Act 36/1947)
NAMIBIA REG NO V03/24.4/249

INDICATIONS
OVILIS® ENZOVAX is indicated for the active immunisation of susceptible breeding female sheep as an aid in the prevention of abortion and stillbirth caused by *Chlamydia abortus* infection.

COMPOSITION
OVILIS® ENZOVAX is a live, attenuated vaccine, containing ≥ $10^{5.0}$ IFU of *Chlamydia abortus*, strain ts 1B, per dose.

WARNINGS
DO NOT SLAUGHTER ANIMALS FOR HUMAN CONSUMPTION WITHIN 7 DAYS OF VACCINATION.

DIRECTIONS FOR USE
The vaccine should be reconstituted with Unisolve.

Remove approximately 5 mℓ of Unisolve from the vial with a syringe and needle. Inject into the vaccine vial and shake well until the powder plug is fully dissolved. Remove the vaccine solution from the vial, re-inject into the diluent vial and shake well. Take care not to generate an aerosol by ensuring that there are no air bubbles in the syringe before re-injecting into the vial.

DOSAGE
2 mℓ reconstituted vaccine subcutaneously or intramuscular. Pregnant animals should not be vaccinated. Ewe lambs, intended for breeding, may be vaccinated from 5 months of age. Sherlings and older ewes should be vaccinated during the 4 month period prior to mating.

PRESENTATION
40 mℓ and 100 mℓ.

INDIKASIES
OVILIS® ENZOVAX is aangedui vir die aktiewe immunisering van vatbare teelooie as 'n hulpmiddel in die voorkoming van aborsie en doodgebore lammers veroorsaak deur *Chlamydia abortus* infeksie.

SAMESTELLING
OVILIS® ENZOVAX is 'n lewende, verswakte entstof, wat ≥ $10^{5.0}$ IVE van *Chlamydia abortus*, stam ts 1B, per dosis bevat.

WAARSKUWINGS
MOET NIE DIERE BINNE 7 DAE NA INENTING VIR MENSLIKE GEBRUIK SLAG NIE.

GEBRUIKSAANWYSINGS
Die entstof moet met Unisolve hersaamgestel word.

Gebruik 'n spuit en naald om ongeveer 5 mℓ Unisolve van die glashouer te onttrek. Spuit die Unisolve in die entstofhouer en skud goed totdat die poeierproppie heeltemal opgelos is. Al die inhoud van die entstofhouer is dan in die verdunningsmiddelhouer gespuit. Skud goed. Wees versigtig om nie 'n aerosol te laat ontstaan nie, deur seker te maak dat daar geen lugborrels in die spuit is nie voor inspuiting.

DOSIS
2 mℓ hersaamgestelde entstof onderhuids of binnespiers. Dragtige diere moet nie ingeënt word nie. Ooilammers wat vir teeldoeleindes gebruik gaan word mag vanaf 'n ouderdom van 5 maande ingeënt word. Skeerskape en ouer ooie moet gedurende die 4 maande periode voor dekking ingeënt word.

AANBIEDING
40 mℓ en 100 mℓ.

PILIGUARD® PINKEYE-1 TRIVALENT

REG NO G2803 (Act 36/1947)
NAMIBIA REG NO V03/24.4/755

INDICATIONS
For use in healthy cattle to aid in the prevention of pinkeye associated with infection by *Moraxella bovis* strains expressing pili similar to those expressed by isolates referred to by MSD Animal Health as Strains EPP 63, FLA 64 and SAH 38.

COMPOSITION
Contains chemically inactivated cultures of *Moraxella bovis* isolates referred to by MSD Animal Health as Strains EPP 63, FLA 64 and SAH 38 in an oil emulsion adjuvant.

WARNINGS
DO NOT VACCINATE WITHIN 60 DAYS PRIOR TO SLAUGHTER.

DIRECTIONS FOR USE
Shake well before use. The vaccine may be warmed to room temperature prior to injection. Use only as directed.

DOSAGE
Inject 2 mℓ subcutaneously or intramuscularly INTO THE NECK, 3 to 6 weeks prior to onset of pinkeye season. Annual revaccination is recommended.

PRESENTATION
20 mℓ and 100 mℓ.

INDIKASIES
Vir gebruik in gesonde beeste om "pinkeye" te voorkom, geassosieer met infeksie veroorsaak deur *Moraxella bovis* spesies wat pili vorm soortgelyk aan dié gevorm deur isolate waarna deur MSD Animal Health verwys word as Spesies EPP 63, FLA 64 en SAH 38.

SAMESTELLING
Bevat chemies geïnaktiveerde kulture van *Moraxella bovis* isolate wat deur MSD Animal Health na verwys word as Spesies EPP 63, FLA 64 en SAH 38 in 'n olie-emulsie sisteem.

WAARSKUWINGS
MOENIE ENT BINNE 60 DAE VOOR SLAGTING NIE.

GEBRUIKSAANWYSINGS
Skud goed voor gebruik. Die entstof kan verhit word tot kamertemperatuur voor inspuiting. Gebruik slegs soos aangedui.

DOSIS
Spuit 2 mℓ onderhuids of intramuskulêr IN DIE NEK, 3 tot 6 weke voor die aanvang van die seisoen waarin "pinkeye" voorkom. Jaarlikse herenting word aanbeveel.

AANBIEDING
20 mℓ en 100 mℓ.

PULPYVAX®

REG NO G2192 (Act 36/1947)

NAMIBIA REG NO V96/24.4/502

INDICATIONS
For the active immunisation of sheep and goats against pulpy kidney disease (enterotoxaemia).

COMPOSITION
Contains alum-precipitated *Clostridium perfringens* type D toxoids.

WARNINGS
DO NOT SLAUGHTER ANIMALS FOR HUMAN CONSUMPTION WITHIN 7 DAYS OF VACCINATION.

DIRECTIONS FOR USE
Shake bottle well before use and repeat from time to time during the vaccination process.

DOSAGE
Sheep and goats of all ages: 1 mℓ subcutaneously.
Lambs: can be immunised from 3 months of age. Administer a second dose 4 – 6 weeks later.

PRESENTATION
100 mℓ and 250 mℓ.

INDIKASIES
Vir die aktiewe immunisering van skape en bokke teen bloednier (enterotoksemie).

SAMESTELLING
Bevat aluin-gepresipiteerde *Clostridium perfringens* tipe D toksoïedes.

WAARSKUWINGS
MOET NIE DIERE BINNE 7 DAE NA INENTING VIR MENSLIKE GEBRUIK SLAG NIE.

GEBRUIKSAANWYSINGS
Skud die houer goed voor gebruik en herhaal van tyd tot tyd gedurende die inentingsproses.

DOSIS
Skape en bokke van alle ouderdomme: 1 mℓ onderhuids.
Lammers: kan van 3 maande ouderdom geïmmuniseer word. 'n Tweede inenting moet 4 – 6 weke later gegee word.

AANBIEDING
100 mℓ en 250 mℓ.

PULPYVAX® 1-SHOT

REG NO G2642 (Act 36/1947)

NAMIBIA REG NO V99/24.4/500

INDICATIONS
For the active immunisation of sheep against pulpy kidney disease (enterotoxaemia). The active component, when injected into a healthy, susceptible animal stimulates the immune response and provokes the formation of epsilon antitoxin.

COMPOSITION
Toxoid obtained from a culture in a liquid medium of a suitable strain of *Clostridium perfringens* type D inactivated in such a manner that immunogenic activity is retained.

WARNINGS
DO NOT SLAUGHTER ANIMALS FOR HUMAN CONSUMPTION WITHIN 20 DAYS OF VACCINATION.

DIRECTIONS FOR USE
Shake bottle well before use and repeat from time to time during the vaccination process.

THE VACCINE SHOULD BE ADMINISTERED BY DEEP INTRAMUSCULAR INJECTION.

DOSAGE
Sheep and lambs: 1 mℓ – deep intramuscular. Sheep should first be vaccinated at 4 months of age and annually thereafter.

Note: In order to ensure a proper innoculation, it is preferable to inject the vaccine while fleece is short.

PRESENTATION
100 mℓ.

INDIKASIES
Vir die aktiewe immunisering van skape teen bloednier (enterotoksemie). Wanneer die aktiewe komponent toegedien word aan gesonde, vatbare diere word die immunostimulerende funksies geaktiveer en so ook die vorming van epsilon-antitoksien.

SAMESTELLING
Toksoïede verkry van 'n kultuur in 'n vloeistofvorm van 'n geskikte stam *Clostridium perfringens* tipe D, geïnaktiveer op so 'n manier om immunostimulerende aktiwiteit te behou.

WAARSKUWINGS
MOET NIE DIERE BINNE 20 DAE NA INENTING VIR MENSLIKE GEBRUIK SLAG NIE.

GEBRUIKSAANWYSINGS
Skud die bottel goed voor gebruik en herhaal van tyd tot tyd gedurende die inentingsproses.

DIE ENTSTOF MOET DEUR DIEP BINNESPIERSE INSPUITING TOEGEDIEN WORD.

DOSIS
Skape en lammers: 1 mℓ – diep binnespiers. Skape moet op 'n ouderdom van 4 maande vir die eerste keer geënt word en jaarliks daarna.

Nota: Om behoorlike inenting te verseker is dit raadsaam om skape te ent terwyl die wol kort is.

AANBIEDING
100 mℓ.

RB-51

REG NO G3056 (Act 36/1947)

NAMIBIA REG NO V03/24.4/756

INDICATIONS
For use in healthy female cattle as an aid in the prevention of abortion caused by *Brucella abortus* and thus spreading of the organism.

COMPOSITION
This lyophilised vaccine contains the RB-51 strain of *Brucella abortus*.

WARNINGS
WITHDRAWAL PERIOD: DO NOT SLAUGHTER WITHIN 3 WEEKS OF ADMINISTRATION.

Vaccination of pregnant animals may cause abortion.

DIRECTIONS FOR USE
For vaccination of female cattle only.

***Brucella abortus* negative herds:**
Herds which have not been vaccinated against *Brucella abortus*: Vaccinate heifers 4 – 10 months of age with 2 mℓ administered subcutaneously. Revaccinate with a full dose between 12 – 16 months of age. Adult cows, non-pregnant – administer 2 mℓ subcutaneously.

Herds with established immunity by previous vaccination against *Brucella abortus*: Vaccinate heifers 4 – 10 months of age with 2 mℓ administered subcutaneously. Revaccinate with a full dose between 12 – 16 months of age.

***Brucella abortus* positive herds:**
Herds which have not been vaccinated against *Brucella abortus*: Vaccinate heifers 4 – 10 months of age with 2 mℓ administered subcutaneously. Revaccinate with a full dose between 12 – 16 months of age. Adult cows, non-pregnant – administer 2 mℓ subcutaneously.Yearly boosters can be administered if desired but it is not a prerequisite.

DOSAGE
Cattle: 2 mℓ subcutaneously

PRESENTATION
5 dose (rehydate to 10 mℓ) and 25 dose (rehydrate to 50 mℓ)

INDIKASIES
Vir gebruik in gesonde vroulike beeste as 'n hulpmiddel in die voorkoming van aborsies veroorsaak deur *Brucella abortus* en sodoende verspreiding van die organisme.

SAMESTELLING
Hierdie gevriesdroogde entstof bevat die RB-51 stam van *Brucella abortus*.

WAARSKUWINGS
ONTTREKKINGSPERIODE: MOENIE SLAG BINNE 3 WEKE NA TOEDIENING NIE.

Enting van dragtige diere mag lei tot misgeboorte.

GEBRUIKSAANWYSINGS
Slegs vir die enting van vroulike diere.

***Brucella abortus* negatiewe kuddes (onbesmet):**

Kuddes wat nie voorheen teen *Brucella abortus* geënt is nie: Ent verse 4 – 10 maande oud met 2 mℓ onderhuids. Dien 'n skraagdosis toe tussen 12 – 16 maande ouderdom. Volwasse nie-dragtige koeie – dien 2 mℓ onderhuids toe.

Kuddes wat gevestigde immuniteit het deurdat hulle voorheen teen *Brucella abortus* geënt is: Ent verse 4 – 10 maande oud met 2 mℓ onderhuids. Dien 'n skraagdosis toe tussen 12 – 16 maande ouderdom.

***Brucella abortus* positiewe kuddes (besmet):** Kuddes wat nie voorheen teen *Brucella abortus* geënt is nie: Ent verse 4 – 10 maande oud met 2 mℓ onderhuids. Dien 'n skraagdosis toe tussen 12 – 16 maande ouderdom. Volwasse nie-dragtige koeie – dien 2 mℓ onderhuids toe. Jaarlikse skraagdosisse kan toegedien word, maar dit is nie 'n voorvereiste nie.

DOSIS
Beeste: 2 mℓ onderhuids

AANBIEDING
5 dosisse (rehidreer tot 10 mℓ) en 25 dosisse (rehidreer tot 50 mℓ)

RESPIRAVAX

REG NO G3867 (Act 36/1947)

NAMIBIA REG NO V10/24.4/719

INDICATIONS
RESPIRAVAX is an inactivated vaccine for the prophylactic immunisation of calves and pregnant cattle as an aid to reduce or prevent bovine respiratory disease caused by bovine herpes virus 1 (IBR), bovine viral diarrhoea virus type 1 (BVDV), parainfluenza virus type 3 (PI_3V) and *Mannheimia (Pasteurella) haemolytica*.

COMPOSITION
RESPIRAVAX is a ready-to-use aqueous vaccine containing inactivated BHV1 (IBR), PI3 and BVD type 1 viruses, as well as a leukotoxin-containing cell-free supernatant of *Mannheimia (Pasteurella) haemolytica*, adsorbed on to alhydrogel. Viruses are propagated in tissue culture, inactivated with formaldehyde and diluted to 10^6 $TCID_{50}$ for IBR and PI3 and 10^5 $TCID_{50}$ for BVDV per 1 mℓ dose. The leukotoxin component is a dilution of the cell-free supernatant of a three-hour fermentation culture. The vaccine contains no preservative, other than formaldehyde.

WARNINGS
WITHDRAWAL PERIOD: MEAT – 21 DAYS.

DIRECTIONS FOR USE
Use only as directed. May be used during pregnancy and lactation. Vaccinate only healthy cattle. Suspend the contents of the vial by gentle end-over-end mixing the vial at least six times.

DOSAGE
Inject 1 mℓ per animal subcutaneously.

PRESENTATION
20 mℓ and 100 mℓ.

INDIKASIES
RESPIRAVAX is 'n geïnaktiveerde entstof vir die inenting van kalwers en dragtige koeie om bees respiratoriese siekte veroorsaak deur bees herpes virus 1 (IBR), bees virale diarree virus tipe 1 (BVDV), parainfluensavirus 3 (PI_3V) en *Mannheimia (Pasteurella) haemolytica*, te verminder of te voorkom.

SAMESTELLING
RESPIRAVAX word gereed-vir-gebruik voorsien. Dit bevat chemies geïnaktiveerde BHV1 (IBR), BVD tipe 1 en PI3 virusse, sowel as 'n leukotoksien-bevattende selvrye supernatant van *Mannheimia (Pasteurella) haemolytica*, geadsorbeer op alhidrojel. Virusse word in weefselkultuur vermeerder, geïnaktiveer met formaldehied en verdun na 10^6 $TCID_{50}$ per 1 mℓ dosis vir BHV1, PI3V en 10^5 $TCID_{50}$ per 1 mℓ dosis vir BVDV. Die leukotoksien komponent is 'n verdunning van die selvrye supernatant van 'n drie-uur fermentasiekultuur. Die entstof bevat geen preserveermiddels, behalwe formaldehied.

WAARSKUWINGS
ONTTREKKINGSPERIODE: VLEIS – 21 DAE.

Gebruiksaanwysings
Gebruik slegs soos aangedui. Die entstof is veilig vir gebruik in dragtige of lakterende beeste. Ent slegs gesonde diere. Meng die inhoud deur die houer ten minste ses keer om en terug te dop.

DOSIS
Ent 1 mℓ per dier onderhuids.

AANBIEDING
20 mℓ en 100 mℓ.

ROTAVEC® CORONA

REG NO G2955 (Act 36/1947)

NAMIBIA REG NO V07/24.4/747

INDICATIONS
For the active immunisation of pregnant cows and heifers to raise antibodies against *E. coli* adhesion F5 (K99) antigen, rotavirus and coronavirus. While calves are fed colostrum from vaccinated cows during the first 2 to 4 weeks of life, these antibodies have been demonstrated to: reduce the severity of diarrhoea caused by *E. coli* F5 (K99), reduce the incidence of scours caused by rotavirus, reduce the shedding of virus by calves infected with rotavirus or coronavirus.

COMPOSITION
A white liquid emulsion vaccine. Each 2 mℓ contains: $10^{7.6}$ -$10^{7.9}$ $TCID_{50}$ inactivated bovine rotavirus, 150 – 230 ELISA units inactivated coronavirus and 100 – 120 units inactivated *E. coli* K99 antigens and aluminium and light mineral oil/emulsifier as adjuvant.

WARNINGS
NO WITHDRAWAL PERIOD

DIRECTIONS FOR USE
SHAKE WELL BEFORE USE.

DOSAGE
Cows and heifers: 2 mℓ by intramuscular injection. The recommended site is the side of the neck. A single injection should be given during each pregnancy at any time between 12 weeks and 3 weeks before calving is expected. Syringes and needles should be sterilised before use and the injection should be made through an area of clean, dry skin taking precautions against contamination.

Ensure adequate intake of quality colostrum within 6 hours of calving.

PRESENTATION
40 mℓ.

INDIKASIES
Vir die aktiewe immunisering van dragtige koeie en verse vir die vermeerdering van teenliggame teen *E. coli* hegting F5 (K99) antigeen, rotavirus en koronavirus. Indien kalwers gedurende die eerste 2 tot 4 weke kolostrum ontvang van geënte koeie, is dit bewys dat hierdie teenliggame die volgende bewerkstellig: vermindering van intensiteit van diarree veroorsaak deur *E. coli* F5 (K99), vermindering van die voorkoms van diarree veroorsaak deur rotavirus, vermindering van virusuitskeiding by kalwers aangetas met rotavirus of koronavirus.

SAMESTELLING
'n Wit vloeibare emulsie. Elke 2 mℓ bevat: $10^{7.6}$ -$10^{7.9}$ $TCID_{50}$ geïnaktiveerde beesrotavirus, 150 – 230 ELISA eenhede geïnaktiveerde koronavirus, 100 – 120 eenhede geïnaktiveerde *E. coli* K99 antigene en aluminium en ligte mineraalolie/emulsifiseerder as adjuvant.

WAARSKUWINGS
GEEN ONTTREKKINGSPERIODE

GEBRUIKSAANWYSINGS
SKUD GOED VOOR GEBRUIK.

DOSIS
Koeie en verse: 2 mℓ met binnespierse inspuiting. Die aanbevole plek is die kant van die nek. 'n Enkele inspuiting moet op enige tyd tussen 12 weke en 3 weke voor die verwagte kalwing, gedurende elke dragtigheid, toegedien word. Spuite en naalde moet voor gebruik gesteriliseer word en die inspuiting moet toegedien word op 'n skoon, droë vel om voorsorg teen kontaminasie te tref. Verseker voldoende inname van kwaliteit kolostrum binne 6 ure na geboorte.

AANBIEDING
40 mℓ.

SPONSVAX®

REG NO G2063 (Act 36/1947)

NAMIBIA REG NO V95/24.4/496

INDICATIONS
For the immunisation of cattle, sheep and goats against black quarter (Quarter Evil).

COMPOSITION
Contains inactivated alum-precipitated *Clostridium chauvoei* vaccine.

WARNINGS
The inoculation of animals late in pregnancy should be avoided unless there is a serious risk of disease.

Usually no marked reaction follows vaccination although a transient swelling may appear at the site of inoculation and an animal may show a rise of temperature for 1 or 2 days.

DIRECTIONS FOR USE
The bottle should be shaken well before doses are withdrawn.

Administration by subcutaneous injection only.

Indications for cattle: Cattle should first be vaccinated between 3 and 6 months of age. Two subcutaneous injections of 2 mℓ each must be administered at an interval of 4 weeks. Give annual booster injection until 3 years of age.

Indications for sheep: Sheep should first be vaccinated at 2 months of age. Two subcutaneous injections of 1 mℓ each must be administered at an interval of 4 weeks, and a booster annually thereafter. Annual vaccination should be given 4 – 6 weeks before any operation likely to produce wounds (lambing, tail docking, castration, shearing, etc.).

Indications for goats: These are similar to those for sheep, however, consultation with a veterinarian is advisable before vaccination.

Goats should be vaccinated under the loose skin underneath the tail. **Do not vaccinate goats in the neck.**

DOSAGE
Cattle: 2 mℓ subcutaneously
Sheep and Goats: 1 mℓ subcutaneously

PRESENTATION
100 mℓ

INDIKASIES
Vir die immunisering van beeste, skape en bokke teen sponssiekte.

SAMESTELLING
Bevat geïnaktiveerde aluin-gepresipiteerde *Clostridium chauvoei* entstof.

WAARSKUWINGS
Die inenting van diere gedurende laat dragtigheid moet vermy word tensy daar 'n ernstige risiko van die siekte is.

Gewoonlik is daar geen opmerkbare reaksie na inenting alhoewel 'n tydelike swelsel by die plek van inenting kan voorkom en die dier se temperatuur mag vir 1 tot 2 dae styg.

GEBRUIKSAANWYSINGS
Skud die bottel goed voordat dosisse onttrek word.

Toediening deur onderhuidse inspuiting alleenlik.

Indikasies vir beeste: Beeste behoort eers tussen 3 en 6 maande ouderdom geënt te word. Twee onderhuidse inspuitings van 2 mℓ elk moet toegedien word met 'n tussenpose van 4 weke. Gee 'n jaarlikse skraagdosis tot en met 3 jaar.

Indikasies vir skape: Skape behoort eers teen 2 maande ouderdom ingeënt te word. Twee onderhuidse inspuitings van 1 mℓ elk moet toegedien word met 'n tussenpose van 4 weke en 'n jaarlikse skraagdosis. Jaarlikse inenting behoort toegedien te word 4 – 6 weke voor enige operasie wat moontlik wonde kan veroorsaak (lam, stert afsny, kastrering, skeer, ens.).

Indikasies vir bokke: Soos die vir skape, maar dit word aanbeveel dat 'n veearts geraadpleeg word voor inenting.

Bokke moet in die los vel onder die stert gespuit word. **Moenie bokke in die nek inent nie.**

DOSIS
Beeste: 2 mℓ onderhuids.
Skape en Bokke: 1 mℓ onderhuids.

AANBIEDING
100 mℓ

SUPAVAX®

REG NO G2643 (Act 36/1947)

NAMIBIA REG NO V99/24.4/501

REGISTERED FOR USE IN PREGNANT ANIMALS

INDICATION
For the active immunisation of cattle and sheep against anthrax, botulism and blackleg.

COMPOSITION
Contains toxoids obtained from cultures in a liquid medium of suitable strains of *Clostridium botulinum* types C1 + 2 and type D, and anacultures of *Clostridium chauvoei* inactivated in such a manner that immunogenic activity is retained.

Suspension of living spores of an uncapsulated avirulent strain (Sterne 34F2) of *Bacillus anthracis*.

WARNINGS
DO NOT SLAUGHTER ANIMALS FOR HUMAN CONSUMPTION WITHIN 2 WEEKS OF VACCINATION.

DIRECTIONS FOR USE
Recommendations for cattle: Calves should first be vaccinated at 6 months of age. A booster inoculation with **DUOVAX** (G2328) should be administered 4 – 6 weeks post initial vaccination. For adult animals that have never been immunised before, vaccinate first with **SUPAVAX®** and boost 4 – 6 weeks later with **DUOVAX**. A single annual booster with **SUPAVAX®** is recommended thereafter.

Recommendations for sheep: Sheep should first be vaccinated at 4 months of age. A booster inoculation with **DUOVAX** should be administered 4 – 6 weeks post initial vaccination. A single annual booster with **SUPAVAX®** is recommended thereafter.

For adult animals that have never been immunised before, vaccinate first with **SUPAVAX®** and boost 4 – 6 weeks later with **DUOVAX**.

DOSAGE
Cattle and sheep 2 mℓ subcutaneously.

PRESENTATION
50 mℓ and 100 mℓ.

GEREGISTREER VIR GEBRUIK IN DRAGTIGE DIERE

INDIKASIES
Vir die aktiewe immunisering van beeste en skape teen miltsiekte, lamsiekte en sponssiekte.

SAMESTELLING
Bevat toksoïedes verkry van kulture in 'n vloeistofvorm van geskikte stamme *Clostridium botulinum* tipes C1+2 en tipe D, en anakulture van *Clostridium chauvoei* geïnaktiveer op so 'n manier om immuunstimulerende aktiwiteit te behou.

'n Suspensie van lewende spore van 'n ongekapsuleerde avirulente stam (Sterne 34F2) van *Bacillus anthracis*.

WAARSKUWINGS
MOET NIE DIERE BINNE 2 WEKE NA INENTING VIR MENSLIKE GEBRUIK SLAG NIE.

GEBRUIKSAANWYSINGS
Aanbevelings vir beeste: Beeste behoort op 6 maande ouderdom geënt te word en 'n skraagdosis met **DUOVAX** (G2328) moet 4 – 6 weke daarna toegedien word. Vir volwasse diere wat nooit voorheen geënt was nie, ent eers met **SUPAVAX®** en volg op met 'n skraagdosis van **DUOVAX** 4 – 6 weke later. Daarna word 'n enkele jaarlikse skraagdosis met **SUPAVAX®** aanbeveel.

Aanbevelings vir skape: Skape behoort op 4 maande ouderdom geënt te word, gevolg deur 'n skraagdosis **DUOVAX** met 'n tussenpose van 4 – 6 weke. Daarna word 'n enkele jaarlikse skraagdosis met **SUPAVAX®** aanbeveel.

Vir volwasse diere wat nooit voorheen geënt was nie, ent eers met **SUPAVAX®** en volg op met 'n skraagdosis van **DUOVAX** 4 – 6 weke later.

DOSIS
Beeste en skape 2 mℓ onderhuids.

AANBIEDING
50 mℓ en 100 mℓ.

NOTES / NOTAS

CATTLE VACCINE GUIDE

	REG. NO.	PACK SIZE	DOSE	ADMINISTRATION	Botulism (*C. botulinum*)	Bovine Brucellosis (*Brucella aboruts*)	Anthrax (*Bacillus anthracis*)	Pasteurella infections (*Mannheimia haemolytica*)	Black quarter/Quarter evil (*C. chauvoei*)	Bacterial red urine (*C. haemolyticum*/*C. novyi* type D)	Black disease (*C. novyi* type B)	Redgut (*C. perfringens* type A)	Redgut (*C. perfringens* type B)	Redgut (*C. perfringens* type C)	Redgut (*C. perfringens* type D)	Gas gangrene (*C. septicum*)	Gas gangrene (*C. sordellii*)	Tetanus (*C. tetani*)	Scours (*E.coli*)	Infectious Keratoconjunctivitis (*Moraxella bovis*)	Paratyphoid (*Salmonella dublin*/ *Salmonella typhimurium*)	BVD (Bovine viral diarrhoea)	IBR (Infectious bovine rhinotracheitis)	Rotavirus	Coronavirus	Lumpy skin disease	PI3
SINGLE																										
Anthravax®	G2064	100 mℓ	1 mℓ	s/c			●																			
Botuvax®	G2193	100 mℓ	2 mℓ	s/c	●																					
Sponsvax®	G2063	100 mℓ	2 mℓ	s/c					●																	
Bovilis® S	G3763	20 mℓ/100 mℓ	2 mℓ	s/c																	●					
Bovi-Tect P	G3002	10 mℓ/100 mℓ	1 mℓ	s/c				●																		
Lumpyvax®	G3673	20 mℓ/100 mℓ	1 mℓ	s/c																					●	
RB51	G3056	10 mℓ/50 mℓ	2 mℓ	s/c		●																				
Piliguard® Pinkeye - 1 Trivalent	G2803	20 mℓ/100 mℓ	2 mℓ	i/m s/c																●						
COMBINATIONS																										
Multiclos	G3392	100 mℓ/250 mℓ	5 mℓ	s/c					●	●	●		●	●	●	●	●									
Covexin®10	G3354	100 mℓ	2 mℓ	s/c					●	●	●	●	●	●	●	●	●	●								
Botuthrax	G3783	100 mℓ	2 mℓ	s/c	●		●																			
Blanthrax®	G1593	150 mℓ	2 mℓ	s/c			●		●																	
Duovax	G2328	100 mℓ	2 mℓ	s/c	●				●																	
Supavax®	G2643	50 mℓ/100 mℓ	2 mℓ	s/c	●		●		●																	
Rotavec® Corona	G2955	40 mℓ	2 mℓ	s/c																●				●	●	
Bovi-Tect PI	G3001	10 mℓ/100 mℓ	1 mℓ	s/c				●															●			
Bovi-Tect III	G3211	100 mℓ	1 mℓ	s/c				●														●	●			
Respiravax	G3867	20 mℓ/100 mℓ	1 mℓ	s/c				●														●	●			●

BEESENTSTOFGIDS

	REG. NR.	VERPAKKING	DOSIS	TOEDIENING	Lamsiekte (*C. botulinum*)	Besmetlike misgeboorte (*Brucella abortus*)	Miltsiekte (*Bacillus anthracis*)	Pasteurella infeksies (*Mannheimia haemolytica*)	Sponssiekte (*C. chauvoei*)	Bakteriese rooi uriene (*C. haemolyticum*/*C. novyi* tipe D)	Aansteeklike nekrotiese hepatitis (*C. novyi* tipe B)	Rooiderm (*C. perfringens* tipe A)	Rooiderm (*C. perfringens* tipe B)	Rooiderm (*C. perfringens* tipe C)	Rooiderm (*C. perfringens* tipe D)	Kwaadaardige edeem (*C. septicum*)	Kwaadaardige edeem (*C. sordellii*)	Klem-in-die-kaak (*C. tetani*)	Scours (*E.coli*)	Besmetlike Keratokonjunktivitis (*Moraxella bovis*)	Paratifus (*Salmonella dublin*/ *Salmonella typhimurium*)	BVD (Beesvirusdiarree)	IBR (Besmetlike beesrinotrageïtis)	Rotavirus	Koronavirus	Knopvelsiekte	PI3
ENKEL																										
Anthravax®	G2064	100 mℓ	1 mℓ	o/h			●																			
Botuvax®	G2193	100 mℓ	2 mℓ	o/h	●																					
Sponsvax®	G2063	100 mℓ	2 mℓ	o/h					●																	
Bovilis® S	G3763	20 mℓ/100 mℓ	2 mℓ	o/h																	●					
Bovi-Tect P	G3002	10 mℓ/100 mℓ	1 mℓ	o/h				●																		
Lumpyvax®	G3673	20 mℓ/100 mℓ	1 mℓ	o/h																					●	
RB51	G3056	10 mℓ/50 mℓ	2 mℓ	o/h		●																				
Piliguard® Pinkeye - 1 Trivalent	G2803	20 mℓ/100 mℓ	2 mℓ	b/s o/h																●						
KOMBINASIES																										
Multiclos	G3392	100 mℓ/250 mℓ	5 mℓ	o/h					●	●	●		●	●	●	●	●									
Covexin®10	G3354	100 mℓ	2 mℓ	o/h					●	●	●	●	●	●	●	●	●	●								
Blanthrax®	G1593	150 mℓ	2 mℓ	o/h			●		●																	
Botuthrax	G3783	100 mℓ	2 mℓ	o/h	●		●																			
Duovax	G2328	100 mℓ	2 mℓ	o/h	●				●																	
Supavax®	G2643	50 mℓ/100 mℓ	2 mℓ	o/h	●		●		●																	
Rotavec® Corona	G2955	40 mℓ	2 mℓ	b/s																●				●	●	
Bovi-Tect PI	G3001	10 mℓ/100 mℓ	1 mℓ	o/h				●															●			
Bovi-Tect III	G3211	100 mℓ	1 mℓ	o/h				●															●			
Respiravax	G3867	20 mℓ/100 mℓ	1 mℓ	o/h				●															●			●

SHEEP VACCINE GUIDE

	PACK SIZE	DOSE	ADMINISTRATION	BACTERIAL DISEASES: Blackquarter (*C. chauvoei*)	Bacterial red urine (*C. haemolyticum/C. novyi type D*)	Black Disease (*C. novyi type B*)	Bloodgut (*C. perfringes type A*)	Lamb dysentry (*C. perfringes type B*)	Bloodgut (*C. perfringes type C*)	Pulpy Kidney (*C. perfringes type D*)	Uterine gangrene (*C. septicum*)	Gas gangrene (*C. sordellii*)	Enzootic abortion (*Chlamydia abortus*)	Tetanus (*C. tetani*)	Botulism (*C. botulinum*)	Anthrax (*B. anthracis*)	*Mannheimia haemolytica* (YRP Technology)	*Pasteurella trehalosi* (YRP Technology)
SINGLE																		
Anthravax®	100 mℓ	0,5 mℓ	s/c													●		
Botuvax®	100 mℓ	1 mℓ	s/c												●			
Sponsvax®	100 mℓ	1 mℓ	s/c	●														
Pulpyvax®	100 mℓ/100d 250 mℓ/250d	1 mℓ	s/c							●								
Pulpyvax® 1 Shot	100 mℓ/100d	1 mℓ	i/m							●								
Ovillis® Enzovax	40 mℓ/20d	2 mℓ	s/c or i/m										●					
COMBINATIONS																		
Multiclos	100 mℓ/250 mℓ	3 mℓ	s/c	●	●	●		●	●	●	●	●						
Blanthrax®	150 mℓ	2 mℓ	s/c	●												●		
Botuthrax	100 mℓ	2 mℓ	s/c												●	●		
Duovax	100 mℓ	2 mℓ	s/c	●											●			
Supavax®	100 mℓ	2 mℓ	s/c	●											●	●		
Multivax-P	100/250/500 mℓ	2 mℓ	s/c	●						●	●			●			●	●
Multivax-P Plus	100/250/500 mℓ	2 mℓ	s/c	●		●		●	●	●	●			●			●	●
Covexin®10	100 mℓ	1 mℓ	s/c	●	●	●	●	●	●	●	●	●		●				

SKAAPENTSTOFGIDS

	VERPAKKING	DOSIS	TOEDIENING	BAKTERIëLE SIEKTES: Sponsiekte (*C. chauvoei*)	Bakteriese rooi uriene (*C. haemolyticum/C. novyi type D*)	Aansteeklike nekrotiese hepatitis (*C. novyi* tipe B)	Rooiderm (*C. perfringes* tipe A)	Bloedpens (*C. perfringes* tipe B)	Bloedderm (*C. perfringes* tipe C)	Bloednier (*C. perfringes* tipe D)	Baarmoedersponsiekte (*C. septicum*)	Kwaadaardige edeem (*C. sordellii*)	Ensootiese Aborsie (*Chlamydia Abortus*)	Klem-in-die-kaak (*C. tetani*)	Lamsiekte (*C. botulinum*)	Miltsiekte (*B. anthracis*)	*Mannheimia haemolytica* (YRP Tegnologie)	*Pasteurella trehalosi* (YRP tegnologie)
ENKEL																		
Anthravax®	100 mℓ	0,5 mℓ	o/h													●		
Botuvax®	100 mℓ	1 mℓ	o/h												●			
Sponsvax®	100 mℓ	1 mℓ	o/h	●														
Pulpyvax®	100 mℓ/100d 250 mℓ/250d	1 mℓ	o/h							●								
Pulpyvax® 1 Shot	100 mℓ/100d	1 mℓ	b/s							●								
Ovillis® Enzovax	40 mℓ/20d	2 mℓ	o/h of b/s										●					
KOMBINASIES																		
Multiclos	100 mℓ/250 mℓ	3 mℓ	o/h	●	●	●		●	●	●	●	●						
Blanthrax®	150 mℓ	2 mℓ	o/h	●												●		
Botuthrax	100 mℓ	2 mℓ	o/h												●	●		
Duovax	100 mℓ	2 mℓ	o/h	●											●			
Supavax®	100 mℓ	2 mℓ	o/h	●											●	●		
Multivax-P	100/250/500 mℓ	2 mℓ	o/h	●						●	●			●			●	●
Multivax-P Plus	100/250/500 mℓ	2 mℓ	o/h	●		●		●	●	●	●			●			●	●
Covexin®10	100 mℓ	1 mℓ	o/h	●	●	●	●	●	●	●	●	●		●				

EQUILIS® PREQUENZA

REG NO G3775 (Act 36/1947)
NAMIBIA REG V07/24.6/56

INDICATIONS
Indicated for the active immunisation of healthy horses and ponies against equine influenza to reduce severity and duration of clinical signs and to reduce the amount and duration of viral shedding after infection.

COMPOSITION
EQUILIS® PREQUENZA is a vaccine suspension containing per 1 mℓ:

- Purified haemagglutinin/neuraminidase subunits from equine influenza viruses:
  - A/equine-2/South Africa/4/03 : 50 AU*
  - A/equine-2/Newmarket/2/93 : 50 AU*
- Purified saponin (adjuvant) 375 µg

*antigenic units

DOSAGE
Intramuscular injection of one dose (1 mℓ) per animal.

VACCINATION SCHEDULE
Basic vaccination schedule: All horses not previously vaccinated should receive 2 vaccinations of 1 dose with a 4 week interval. Foals should be vaccinated from the age of 6 months.

Revaccination: The first revaccination (third dose) is given 5 months after the basic vaccination course. Revaccination, at 12 month intervals is recommended to maintain immunity levels against equine influenza. Local regulations should be adhered to.

PREGNANCY AND LACTATION
Can be used in pregnant mares.

PRESENTATION
10 x 1 mℓ pre-filled syringe with peel-off labels.

INDIKASIES
Vir die aktiewe immunisering van gesonde perde en ponies teen perdegriep om die intensiteit en tydperk van kliniese tekens te verminder asook die tydperk en hoeveelheid van virusuitskeiding na die infeksie te verlaag.

SAMESTELLING
EQUILIS® PREQUENZA is 'n entstofsuspensie wat die volgende bevat per 1 mℓ:

- Gesuiwerde haemagglutinien/neuraminidase sub-eenhede van perdegriepvirusse:
  - A/equine-2/South Africa/4/03 : 50 AE*
  - A/equine-2/Newmarket/2/93 : 50 AE*
- Gesuiwerde saponien (adjuvant) 375 µg

* antigeniese eenhede

DOSIS
Binnespierse inspuiting van een dosis (1 mℓ) per dier.

INENTINGSKEDULE
Basiese inentingsprogram: Alle perde wat nie voorheen ingeënt is nie, moet 2 inentings van 1 dosis elk 4 weke uitmekaar ontvang. Vulletjies moet vanaf 6 maande ingeënt word.

Herinentingskursus: Die eerste herinenting (derde dosis) moet 5 maande na die basiese inentingskursus gegee word. Herinenting 12-maandeliks. Daar moet egter aan plaaslike regulasies voldoen word.

DRAGTIGE EN LAKTERENDE DIERE
Kan in dragtige merries gebruik word.

AANBIEDING
10 x 1 mℓ gereed-vir-gebruik spuite met aftreketikette.

EQUILIS® PREQUENZA TE

REG NO G3774 (Act 36/1947)
NAMIBIA REG NO V07/24.6/55

INDICATIONS
For the active immunisation of healthy horses and ponies against equine influenza. It reduces the severity and duration of clinical signs and reduces the amount and duration of viral shedding after infection. It is also indicated for the active immunisation against tetanus to prevent disease and mortality.

COMPOSITION
EQUILIS® PREQUENZA TE is a vaccine suspension containing per 1 mℓ:

- Purified haemagglutinin/neuraminidase subunits from equine influenza viruses:
  - A/equine-1/Prague/1/56 100 AU*
  - A/equine-2/Newmarket/1/93 50 AU
  - A/equine-2/Newmarket/2/93 50 AU
- Tetanus toxoid 40 Lf**
- Purified saponin (adjuvant) 375 µg

* antigenic units ** flocculation units

DOSAGE
Intramuscular injection of one dose (1 mℓ) per animal.

BASIC VACCINATION COURSE
Influenza: All horses not previously vaccinated should receive 2 vaccinations of 1 dose with a 4 week interval. Foals should be vaccinated from the age of 6 months.

Tetanus: All horses not previously vaccinated should receive 2 vaccinations of 1 dose with a 4 week interval. The first revaccination for tetanus can be given 17 months after the basic vaccination course. Can be used in pregnant mares but handling of such animals, particularly in the latter stage of pregnancy, is not without risk and care should be taken to avoid stress.

PRESENTATION
10 x 1 mℓ pre-filled syringes with peel-off labels.

INDIKASIES
Vir die aktiewe immunisering van gesonde perde en ponies teen perdegriep om die intensiteit en tydperk van kliniese tekens te verminder asook die tydperk en hoeveelheid van virusuitskeiding na die infeksie te verlaag. Ook vir die aktiewe immunisering teen klem-in-die-kaak (tetanus) vir die voorkoming van siekte en sterftes.

SAMESTELLING
EQUILIS® PREQUENZA TE is 'n entstofsuspensie wat die volgende bevat:

- Gesuiwerde haemagglutinien/neuraminidase sub-eenhede van perdegriepvirusse:
  - A/equine-2/South Africa/4/03 : 50 AE*
  - A/equine-2/Newmarket/2/93 : 50 AE*
- Tetanus toksoïed 40 Lf**
- Gesuiwerde saponien (adjuvant) 375 µg

* antigeniese eenhede ** flokkulasie eenhede

DOSIS
'n Binnespierse inspuiting van een dosis (1 mℓ) per dier.

BASIESE INENTINGSKURSUS
Influensa: Alle perde wat nie voorheen ingeënt is nie, moet 2 inentings van 1 dosis elk 4 weke uitmekaar ontvang. Vulletjies moet vanaf 6 maande ingeënt word.

Tetanus: Alle perde wat nie voorheen ingeënt is nie, moet 2 inentings van 1 dosis elk 4 weke uitmekaar ontvang. Die eerste herinenting teen tetanus kan 17 maande na die basiese inentingskursus gegee word. Kan in dragtige merries gebruik word, maar hantering van hierdie diere, gewoonlik in die laaste fase van dragtigheid, is nie sonder gevaar nie en enige spanning moet vermy word.

AANBIEDING
10 x 1 mℓ gereed-vir-gebruik spuite met aftreketikette.

VACCINATION SCHEDULE FOR HORSES

FOR TECHNICAL ADVISORS

	PROPOSED VACCINATIONS					
DISEASE	**FOALS/WEANLINGS**	**YEARLINGS**	**PERFORMANCE HORSES**	**PLEASURE HORSES**	**BROODMARES**	**VACCINES**
TETANUS	1st dose: 3-4 months 2nd dose: 4-5 months	Annual	Annual	Annual	Annual: 4-6 weeks prefoaling	Equilis® Prequenza TE
INFLUENZA	1st dose: 4-6 months 2nd dose: 4-7 months 3rd dose: 9-11 months	Annual	Annual	Annual	Annual	Equilis® Prequenza Equilis® Prequenza TE
		LOCAL REGULATIONS MUST BE ADHERED TO				
RABIES	3-4 months	Annual	Annual	Annual	Annual	Nobivac® Rabies
BOTULISM	3-4 months	Annual	Annual	Annual	Annual	Botuvax®

PERDE INENTINGSPROGRAM

VIR TEGNIESE ADVISEURS

	VOORGESTELDE INENTINGSPROGRAM					
SIEKTE	**VULLENS**	**JAAROUD**	**PRESTASIEPERDE**	**RYPERDE**	**TEELMERRIES**	**ENTSTOF**
KLEM-IN-DIE-KAAK	1ste dosis: 3-4 maande 2de dosis: 4-5 maande	Jaarliks	Jaarliks	Jaarliks	Jaarliks: 4-6 weke voor vul	Equilis® Prequenza TE
PERDEGRIEP	1ste dosis: 4-6 maande 2de dosis: 4-7 maande 3de dosis: 9-11 maande	Jaarliks	Jaarliks	Jaarliks	Jaarliks	Equilis® Prequenza Equilis® Prequenza TE
		MOET OOK AAN PLAASLIKE REGULASIES VOLDOEN WORD				
HONDSDOLHEID	3-4 maande	Jaarliks	Jaarliks	Jaarliks	Jaarliks	Nobivac® Rabies
LAMSIEKTE	3-4 maande	Jaarliks	Jaarliks	Jaarliks	Jaarliks	Botuvax®

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msd-animal-health.co.za | ZA/ORUM/0417/0007

NOTES / NOTAS

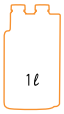
NOTES / NOTAS

02

ECTOPARASITICIDES / EKTOPARASITIESE MIDDELS

AVOTAN® PLUS POUR-ON

REG NO G4216 (Act 36/1947)



INDICATIONS
Ready-to-use pour-on for use on cattle for the control of blue ticks, horn flies and gastrointestinal roundworms in cattle. **AVOTAN® PLUS Pour-On** has residual efficacy of 42 days against *Rhipicephalus (Boophilus)* spp. (blue ticks) in cattle.

COMPOSITION
Contains: Abamectin 1,0 % m/v and Fluazuron 2,5 % m/v.

WARNINGS
WITHDRAWAL PERIOD: MEAT: 54 DAYS.
DO NOT USE ON LACTATING CATTLE WHERE MILK IS INTENDED FOR HUMAN CONSUMPTION.

DIRECTIONS FOR USE
Use only as directed.
AVOTAN® PLUS Pour-On is a ready-to-use remedy.
Do not dilute or use with any other remedy.

DOSAGE
1 mℓ per 10 kg body mass (1,0 mg abamectin and 2,5 mg fluazuron/kg body weight).

PRESENTATION
1 ℓ plastic (HDPE) containers.

INDIKASIES
Gereed-vir-gebruik opgietmiddel vir die beheer van bloubosluise, horingvlieë en gastro-intestinale rondewurms in beeste. **AVOTAN® PLUS Pour-On** het 'n na-werkende effek van 42 dae teen *Rhipicephalus (Boophilus)* spp. (bloubosluise) op beeste.

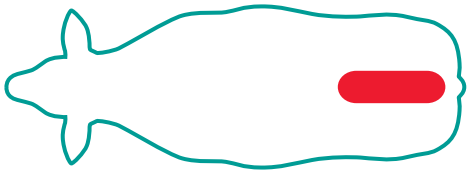
SAMESTELLING
Bevat: Abamektien 1,0 % m/v en Fluasuron 2,5 % m/v.

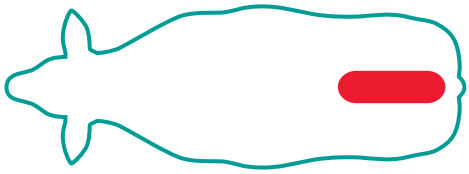
WAARSKUWINGS
ONTTREKKINGSPERIODE: VLEIS: 54 DAE.
MOENIE DIE PRODUK OP LAKTERENDE BEESTE GEBRUIK, INDIEN HULLE MELK VIR MENSLIKE VERBRUIK BESTEM IS NIE.

GEBRUIKSAANWYSINGS
Gebruik slegs soos aangedui.
AVOTAN® PLUS Pour-On is 'n gereed-vir-gebruik middel.
Moenie verdun of saam met enige ander middel gebruik nie.

DOSIS
1 mℓ per 10 kg liggaamsmassa (1,0 mg abamektien en 2,5 mg fluasuron/kg liggaamsmassa)

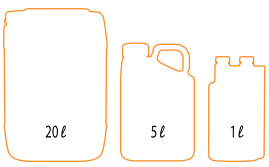
AANBIEDING
1 ℓ plastiek (HDPE) houers.





AVOTAN® POUR-ON

REG NO G3745 (Act 36/1947)
NAMIBIA REG NO V07/18.1.2/376



INDICATIONS
Ready to use pour-on for the control of roundworms and blue ticks in cattle.

COMPOSITION
Contains Abamectin 5 mg per mℓ.

WARNINGS
WITHDRAWAL PERIOD: DO NOT SLAUGHTER CATTLE FOR HUMAN CONSUMPTION WITHIN 35 DAYS OF LAST TREATMENT.
MILK: NONE.

DIRECTIONS FOR USE
Use only as directed.
Pour the recommended amount of product on a concentrated area of about 15 to 20 cm along the rump-/lumbar area.

DOSAGE
1 mℓ per 10 kg body mass (500 µg Abamectin per kg).

PRESENTATION
Plastic containers in 1 ℓ, 5 ℓ and 20 ℓ pack sizes.

INDIKASIES
Gereed vir gebruik opgietmiddel vir die beheer van rondewurms en bloubosluise in beeste.

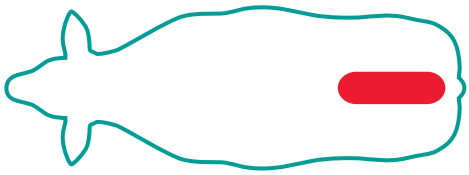
SAMESTELLING
Bevat Abamektien 5 mg per mℓ.

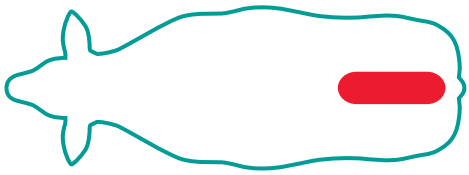
WAARSKUWINGS
ONTTREKKINGSPERIODE: MOET NIE BEESTE BINNE 35 DAE NA LAASTE BEHANDELING VIR MENSLIKE VERBRUIK SLAG NIE.
MELK: GEEN.

GEBRUIKSAANWYSINGS
Gebruik slegs soos aangedui.
Giet die aanbevole hoeveelheid produk oor 'n gekonsentreerde area van ongeveer 15 tot 20 cm langs die kruis-/stertwortel area.

DOSIS
1 mℓ per 10 kg liggaamsmassa (500 µg Abamektien per kg).

AANBIEDING
Plastiese houers in 1 ℓ, 5 ℓ en 20 ℓ verpakkingsgrootte.





DELETE®

REG NO G2815 (Act 36/1947)

NAMIBIA REG NO V01/18.3.3/663

INDICATIONS

Ready to use pour-on for cattle, sheep, goats and game. Residual action. Non-systemic action.

Cattle: Controls ticks, stable flies, horn flies, cattle louse flies and nuisance flies e.g. house flies. Kills lice (biting and sucking). Protects against blackflies. Easy application along backline.

Sheep & Goats: Controls Karoo Paralysis, bont-legged and red-legged ticks.

COMPOSITION

Contains Deltamethrin 0,50 % m/v and Piperonyl Butoxide 2,0 % m/v.

WARNINGS

Do not use on calves/lambs under 1 month of age.

NO WITHDRAWAL PERIOD FOR MEAT AND MILK.

DIRECTIONS FOR USE

Cattle: Apply along the backline, from the shoulder to the root of the tail using the supplied dispenser.

Sheep and goats: Divide the full dose per animal into 4 equal parts. Apply one part onto each axillae and groin region, whilst the animal is turned over in a sitting position.

DOSAGE

Cattle: Ticks, flies and lice – 1 mℓ per 10 kg.

Sheep and goats: Dosage for optimal residual action – 1 mℓ per 5 kg body mass.

PRESENTATION

200 mℓ, 1 ℓ, 5 ℓ and 20 ℓ.

INDIKASIES

Gereed-vir-gebruik opgietmiddel vir beeste, skape, bokke en wild. Nawerkende effek. 'n Nie-sistemiese werking.

Beeste: Beheer bosluise, stalvlieë, horingvlieë, beesluisvlieë en lasvlieë bv. huisvlieë. Dood luise (bytende en suigende). Beskerm teen riviermuggies. Maklike aanwending op die rug.

Skape en Bokke: Beheer Karooverlammings-, bontpoot- en rooipootbosluise.

SAMESTELLING

Bevat Deltametrien 0,50 % m/v en Piperonielbutoksied 2,0 % m/v.

WAARSKUWINGS

Moet nie op kalwers/lammers jonger as 1 maand gebruik nie.

GEEN ONTTREKKINGSPERIODE VIR VLEIS OF MELK NIE.

GEBRUIKSAANWYSINGS

Beeste: Dien die nodige dosis toe al met die rug langs van die skof tot op die stertwortel met behulp van die toediener.

Skape en bokke: Verdeel die volle dosis per dier in 4 gelyke dele. Wend een deel aan elke oksel en lies gedeelte, terwyl die dier omgekeer is in 'n sittende posisie.

DOSIS

Beeste: Bosluise, vlieë en luise – 1 mℓ per 10 kg.

Skape en bokke: Dosis vir optimale nawerkende effek – 1 mℓ per 5 kg liggaamsmassa.

AANBIEDING

200 mℓ, 1 ℓ, 5 ℓ en 20 ℓ.

DELETE® ALL

REG NO G2837 (Act 36/1947)

NAMIBIA REG NO V01/18.3.9/664

INDICATIONS

Ready to use pour-on for cattle, sheep, goats and game. Residual action. Non-systemic action.

Cattle: Controls ticks, stable flies, horn flies, cattle louse flies and nuisance flies e.g. house flies. Kills lice (biting and sucking) and mange mites. Protects against blackflies. Easy application along backline.

Sheep & Goats: Controls Karoo Paralysis, bont-legged and red-legged ticks.

Game: Controls ticks.

COMPOSITION

Contains Amitraz 2,0 % m/v, Deltamethrin 0,50 % m/v and Piperonyl Butoxide 2,0 % m/v.

WARNINGS

WITHDRAWAL PERIODS: **MILK** – NONE
MEAT – 7 DAYS

Do not use on horses.
Treat strictly according to body weight.

Do not use in calves/lambs younger than 1 month of age.

DIRECTIONS FOR USE

Cattle: Apply along the backline, from the shoulder to the root of the tail using the supplied dispenser.

Sheep and goats: Divide the full dose per animal into 4 equal parts. Apply one part onto each axillae and groin region, whilst the animal is turned over in a sitting position.

DOSAGE

Cattle: Ticks, flies and lice – 1 mℓ per 10 kg body mass.

Sheep and goats: Dosage for optimal residual action – 1 mℓ per 5 kg body mass.

Game: 1 mℓ per 10 kg body mass.

PRESENTATION

200 mℓ, 1 ℓ, 5 ℓ, 20 ℓ and 200 ℓ.

INDIKASIES

Gereed-vir-gebruik opgietmiddel vir beeste, skape, bokke en wild. Nawerkende effek. 'n Nie-sistemiese werking.

Beeste: Beheer bosluise, stalvlieë, horingvlieë, beesluisvlieë en lasvlieë bv. huisvlieë. Dood luise (bytende en suigende) en skurftemyte. Beskerm teen riviermuggies. Maklike aanwending op die rug.

Skape en Bokke: Beheer Karooverlammings-, bontpoot- en rooipootbosluise.

Wild: Beheer bosluise.

SAMESTELLING

Bevat Amitras 2,0 % m/v, Deltametrien 0,50 % m/v en Piperonielbutoksied 2,0 % m/v

WAARSKUWINGS

ONTTREKKINGSPERIODES: **MELK** – GEEN
VLEIS – 7 DAE

Moet nie op perde gebruik nie.
Behandel streng volgens liggaamsmassa.

Moenie gebruik in kalwers/lammers jonger as 1 maand oud nie.

GEBRUIKSAANWYSINGS

Beeste: Dien die nodige dosis toe al met die rug langs van die skof tot op die stertwortel met behulp van die toediener.

Skape en bokke: Verdeel die volle dosis per dier in 4 gelyke dele. Wend een deel aan elke oksel- en liesgedeelte, terwyl die dier omgekeer is in 'n sittende posisie.

DOSIS

Beeste: Bosluise, vlieë en luise – 1 mℓ per 10 kg liggaamsmassa.

Skape en bokke: Dosis vir optimale nawerkende effek – 1 mℓ per 5 kg liggaamsmassa.

Wild: 1 mℓ per 10 kg liggaamsmassa.

AANBIEDING

200 mℓ, 1 ℓ, 5 ℓ, 20 ℓ en 200 ℓ.

DELETE®-X5

REG NO G3279 (Act 36/1947)

NAMIBIA REG NO V03/18.3.3/688

INDICATIONS

DELETE®-X5 is used as a cattle, sheep and goat dip, as well as an ostrich and cattle spray for the prevention and treatment of ectoparasite infestations.

• Controls ticks • Kills cattle lice • Controls African face flies • Controls screw-worm infestations • Kills sheep scab mites • Kills sheep and goat lice • Kills sheep keds • Kills ostrich feather lice • Controls other nuisance and biting flies on cattle e.g. stable flies, house flies, cattle louse flies, black flies, hornflies and tsetse flies.

COMPOSITION

Contains 5 % m/v Deltamethrin.

WARNINGS

Withdrawal period	Cattle	Sheep & Goats	Ostriches
Meat	None	4 days	None
Milk	None	None	None

DOSAGE AND ADMINISTRATION

Parasites to be treated	Quantity of **DELETE®-X5** needed per 1 000 litres of water		
	Spray treatment	Plunge Dip treatment	
		Charging	Replenishment
Ticks/Flies	500 mℓ	500 mℓ	750 mℓ
Lice	250 mℓ	250 mℓ	375 mℓ
Sheep Scab Mites	1 000 mℓ	1 000 mℓ	1 500 mℓ

PRESENTATION

1 ℓ and 5 ℓ.

INDIKASIES

DELETE®-X5 word gebruik as 'n dipmiddel vir beeste, skape en bokke, asook 'n spuitmiddel vir volstruise en beeste in die voorkoming en behandeling van ektoparasietbesmettings.

• Beheer bosluise • Dood beesluise • Beheer Afrika gesigsvlieë • Beheer spykerwurmbesmettings • Dood skaapbrandsiektemyte • Dood skaap- en bokluise • Dood skaapluisvlieë • Dood volstruisveerluise • Beheer ander las- en bytende vlieë op beeste bv. stalvlieë, huisvlieë, beesluisvlieë, riviermuggies, horingvlieë en tsetsevlieë

SAMESTELLING

Bevat 5 % m/v Deltametrien.

WAARSKUWINGS

Onttrekkings-periode	Beeste	Skape & Bokke	Volstruise
Vleis	Geen	4 dae	Geen
Melk	Geen	Geen	Geen

DOSIS EN TOEDIENING

Parasiet wat behandel word	Hoeveelheid **DELETE®-X5** benodig vir 1 000 liter water		
	Sproei-behandeling	Dompeldipbehandeling	
		Varsvul	Aanvulling
Bosluise/Vlieë	500 mℓ	500 mℓ	750 mℓ
Luise	250 mℓ	250 mℓ	375 mℓ
Skaapbrand-siektemyt	1 000 mℓ	1 000 mℓ	1 500 mℓ

AANBIEDING

1 ℓ en 5 ℓ.

DELTAB BACK-PACK

REG NO G2518 (Act 36/1947)

NAMIBIA REG NO V00/18.3.3/491

INDICATIONS

For the control of ticks. Kills cattle lice. Controls African face flies. Controls other nuisance and biting flies on cattle e.g. stable flies, house flies, cattle louse flies, black flies and horn flies. Controls screw-worm infestations. Kills ostrich feather lice.

For the control of *Rhipicephalus* spp. and *Haemaphysalis* ticks on dogs. For the control of *Amblyomma hebraeum*, *Rhipicephalus appendiculatus* and *Rhipicephalus simus* ticks on horses. For the control of *Stomoxys* spp. and *Musca* spp. flies on horses.

COMPOSITION

Contains Deltamethrin 25 % m/m.

WITHDRAWAL PERIOD

NONE

DILUTION

Cattle Spraying: 1 x 2,5 g **DELTAB** to 12,5 litres of water.

Horses Dilute as for cattle.

Ostrich Dilute as for cattle.
Spray birds until dip flow off.

Dogs Dilute 1 x 2,5 g **DELTAB** tablet in 15 litre water.
Prepare a new dip for each dog.

PRESENTATION

2 x 2,5 g Tablets and 10 x 2,5 g Tablets.

INDIKASIES

Beheer bosluise. Dood beesluise. Beheer Afrika gesigsvlieë. Beheer bytende-en ander lasvlieë op beeste bv. stalvlieë, huisvlieë, beesluisvlieë, riviermuggies en horingvlieë. Beheer spykerwurmbesmettings. Dood volstruisveerluise.

Vir die beheer van *Rhipicephalus* spp. en *Haemaphysalis* bosluise op honde. Vir die beheer van of *Amblyomma hebraeum*, *Rhipicephalus appendiculatus* en *Rhipicephalus simus* bosluise op perde. Vir die beheer van *Stomoxys* spp. en *Musca* spp. vlieë op perde.

SAMESTELLING

Bevat Deltametrien 25 % m/m

ONTTREKKINGSPERIODE

GEEN

VERDUNNING

Beeste Spuit: 1 x 2,5 g **DELTAB** tablet op 12,5 liter water.

Perde Verdunning soos vir beeste.

Volstruise Spuit volstruise totdat dip afloop.
Verdunning soos vir beeste.

Honde Gebruik 1 x 2,5 g **DELTAB** tablet op 15 liter water.
Maak 'n nuwe oplossing vir elke hond.

AANBIEDING

2 x 2,5 g Tablette en 10 x 2,5 g Tablette.

EXSPOT®

REG NO G2980 (Act 36/1947)

NAMIBIA REG NO V03/18.3.3/754

1 mℓ

FOR EXTERNAL ANIMAL USE ONLY.

INDICATIONS
Kills and controls flies, ticks (kennel ticks/brown dog ticks) and fleas for more than 4 weeks. For dogs and puppies from 2 weeks old.

COMPOSITION
Contains Permethrin 65 % m/v

WARNINGS
Do not allow treated animals to go swimming for 12 hours after treatment.

EXSPOT® spot-on for dogs should not be used on puppies less than 2 weeks old and should not be used on cats, as this product is toxic to cats.

DIRECTIONS FOR USE
For dogs and puppies weighing up to and including 15 kg, for example an adult Cocker Spaniel, apply plastic ampoule (i.e. 1 mℓ) on to the skin between the shoulder blades and on the ears.

For dogs and puppies weighing over 15 kg, apply two plastic ampoules (i.e. 2 x 1 mℓ). Apply one tube on to the skin between the shoulder blades plus ears and one tube on to skin on the back at the base of the tail.

PRESENTATION
2 x 1 mℓ

SLEGS VIR UITWENDIGE DIEREGEBRUIK.

INDIKASIES
Dood en beheer vlieë, bosluise (hondehokbosluise/bruin hondebosluise) en vlooie vir meer as 4 weke. Vir honde en klein hondjies vanaf 2 weke oud.

SAMESTELLING
Bevat Permetrien 65 % m/v

WAARSKUWINGS
Moet nie toelaat dat behandelde diere binne 12 uur na behandeling swem nie.

EXSPOT® spot-on vir honde behoort nie op klein hondjies jonger as 2 weke gebruik te word nie en behoort ook nie op katte gebruik te word nie aangesien dit giftig vir katte is.

GEBRUIKSAANWYSINGS
Vir honde en klein hondjies tot en met 15 kg, byvoorbeeld 'n volwasse Sniphond, wend plastiekampule (d.w.s. 1 mℓ) aan op die vel tussen die skouerblaaie en op die ore.

Vir honde en klein hondjies oor 15 kg, wend twee plastiekampules (d.w.s. 2 mℓ) aan. Wend een buisie op die vel tussen die skouerblaaie en ore aan en een buisie op die vel op die rug by die basis van die stert.

AANBIEDING
2 x 1 mℓ

FLEECECARE®

REG NO G1743 (Act 36/1947)

NAMIBIA REG V93/18.3.8/515

1 ℓ

INDICATIONS
For the control of blowfly strike and lice for up to 16 weeks on sheep, lambs, goats and kids.

COMPOSITION
Contains 250 g/ℓ Diflubenzuron.

WARNINGS
Do not dip within 10 days of shearing to allow shearing cuts or other injuries to heal.

DIRECTIONS FOR USE

Parasite	Application method	Dilution rate
Red lice	Plunge dipping	Dilute 1 ℓ **FLEECECARE®** with 800 ℓ water (for fresh fill and replenishment).
Blowfly	Plunge dipping	Dilute 1 ℓ **FLEECECARE®** with 400 ℓ water (for fresh fill and replenishment).
	Jetting	Dilute 1 ℓ **FLEECECARE®** with 400 ℓ water.

PRESENTATION
1 ℓ

INDIKASIES
Vir die beheer van brommeraanvalle en luise tot en met 16 weke op skape, lammers, bokke en boklammers.

SAMESTELLING
Bevat 250 g/ℓ Diflubensuron.

WAARSKUWINGS
Moet nie binne 10 dae na skeer dip nie om skeerwonde en ander beserings kans te gee om te genees.

GEBRUIKSAANWYSINGS

Parasiet	Aanwendings-metode	Mengverhouding
Rooiluise	Dompeldip	Meng 1 ℓ **FLEECECARE®** met 800 ℓ water (vir vars mengsel en aanvulling).
Brommers	Dompeldip	Meng 1 ℓ **FLEECECARE®** met 400 ℓ water (vir vars mengsel en aanvulling)
	Straalbespuiting	Meng 1 ℓ **FLEECECARE®** met 400 ℓ water.

AANBIEDING
1 ℓ

IVOTAN®

REG NO G2858 (Act 36/1947)

NAMIBIA REG V01/18.1.2/731

500 mℓ

50 mℓ

INDICATIONS
Antiparasitic remedy for cattle, sheep and pigs.

COMPOSITION
Contains Ivermectin 1 % m/v.

WARNINGS
CATTLE AND SHEEP MUST NOT BE SLAUGHTERED FOR HUMAN CONSUMPTION WITHIN 21 DAYS OF LAST TREATMENT.

PIGS MUST NOT BE SLAUGHTERED FOR HUMAN CONSUMPTION WITHIN 28 DAYS OF LAST TREATMENT.

DO NOT USE IN LACTATING CATTLE OR SHEEP WHERE MILK OR MILK PRODUCTS ARE INTENDED FOR HUMAN CONSUMPTION.

DO NOT USE IN DAIRY CATTLE WITHIN 28 DAYS BEFORE CALVING WHERE MILK OR MILK PRODUCTS ARE INTENDED FOR HUMAN CONSUMPTION.

DIRECTIONS FOR USE
Shake well before use.
In cattle, inject under the loose skin in front of or behind the shoulder.
In wool sheep, be certain that the needle has penetrated the wool and skin before delivering the dose.
Administer to pigs subcutaneously in the neck.

DOSAGE
Cattle and sheep: 1 mℓ per 50 kg body mass (subcutaneously).

Pigs: 1 mℓ per 33 kg body mass (subcutaneously).

PRESENTATION
50 mℓ, 500 mℓ and 3 x 500 mℓ Combo Pack

INDIKASIES
Antiparasitiese middel vir beeste, skape en varke.

SAMESTELLING
Bevat Ivermektien 1 % m/v.

WAARSKUWINGS
MOET NIE BEESTE EN SKAPE BINNE 21 DAE NA BEHANDELING VIR MENSLIKE GEBRUIK SLAG NIE.

MOET NIE VARKE BINNE 28 DAE NA BEHANDELING VIR MENSLIKE GEBRUIK SLAG NIE.

MOET NIE GEBRUIK WORD IN BEESTE OF SKAPE WAARVAN DIE MELK OF SUIWELPRODUKTE VIR MENSLIKE GEBRUIK BESTEM IS NIE.

MOET NIE MELKKOEIE BEHANDEL BINNE 28 DAE VOOR KALWING INDIEN DIE MELK OF SUIWELPRODUKTE BESTEM IS VIR MENSLIKE GEBRUIK NIE.

GEBRUIKSAANWYSINGS
Skud goed voor gebruik.
In beeste spuit by die los vel, voor of agter die skouerblad in.
In wolskape, verseker dat die naald die wol en vel deurgedring het voordat die dosis ingespuit word.
In varke spuit onderhuids by die nek in.

DOSIS
Beeste en Skape: 1 mℓ per 50 kg liggaamsmassa (onderhuids).

Varke: 1 mℓ per 33 kg liggaamsmassa (onderhuids).

AANBIEDING
50 mℓ, 500 mℓ en 3 x 500 mℓ Kombopak

QUADREPEL®

REG NO G3328 (Act 36/1947)

NAMIBIA REG NO V03/18.3.3/253

5 ℓ

1 ℓ

OXPECKER COMPATIBLE

INDICATIONS
A wipe and spray-on fly repellent for protection against house and stable flies that also kills ticks and mosquitoes, for horses and dogs.

COMPOSITION

Cypermethrin	0,250 % m/v
Piperonyl butoxide	1,250 % m/v
Natural plant oils	0,025 % m/v
Lanolin	1,000 % m/v

DIRECTIONS FOR USE
It is good sanitary practice to wear rubber or plastic gloves during application.

i) Shake before application.

ii) This product may be applied with a trigger spray or as a wipe-on with a sponge/soft cloth.
- **Wipe-on use:** Brush animal's coat to remove excess dirt and dust. Shake container well and dampen a sponge or soft cloth with **QUADREPEL®**. Rub over horse's hair with special attention to legs, shoulders, shanks, neck and facial area, avoiding the eyes. Dab, smear or paint lightly onto dog's ears and other areas where protection is required. Repeat as necessary.
- **Spray-on use:** Brush animal's coat to remove excess dirt and dust. Shake container well and apply spray to horse's coat with special attention to legs, shoulders, shanks and neck. Shake container well and apply spray to dog's ears and other areas where protection is required. Do not spray mist around the head and eyes. Dampen a soft cloth and wipe head avoiding eyes. Repeat as necessary. **Note:** When used as a spray this may cause a sneezing reaction in people applying the product.

iii) For treatment of ticks **QUADREPEL®** can be used as a spot treatment spray or be applied as described above for total body protection.

iv) For protection of horses from mosquitoes, apply a total body treatment daily as recommended.

v) Horses can be ridden or worked immediately following application.

vi) Wash hands after application.

PRESENTATION
1 ℓ with spray nozzle and 5 ℓ container.

INDIKASIES
'n Aanvryf- en spuit vliegafweermiddel vir perde en honde vir die beskerming teen huis- en stalvlieë wat ook bosluise en muskiete dood.

SAMESTELLING

Sipermetrien	0,250 % m/v
Piperonielbutoksied	1,250 % m/v
Natuurlike Plantolies	0,025 % m/v
Lanolien	1,000 % m/v

GEBRUIKSAANWYSINGS
Dit is goeie sanitêre praktyk om rubber of plastiese handskoene met aanwending te dra.

i) Skud goed voor gebruik.

ii) Kan met 'n sproeispuit of met 'n spons/sagte lap aangewend word.
- **Aanvryfmetode:** Borsel dier deeglik om oortollige vuilheid en stof te verwyder. Maak spons/sagte lap met **QUADREPEL®** nat. Spons perd af met spesiale aandag aan bene, skouers, skene, nek en gesig areas, vermy oë. Tik, smeer of verf liggies op die hond se ore asook ander areas waar beskerming benodig word. Herhaal soos benodig.
- **Sproeispuitmetode:** Borsel dier deeglik om oortollige vuilheid en stof te verwyder. Spuit die perd se haarkleed met spesiale aandag aan bene, skouers, skene en nek. Moenie om kop of oë spuit nie. Maak 'n sagte lap nat en vee kop af, vermy oë. Spuit op die hond se ore asook ander areas waar beskerming benodig word. Moenie rondom die hond se kop en oë spuit nie. Maak 'n lap nat en vee oor die kop en vermy die oë. Herhaal soos benodig. **Nota:** Wanneer die produk as 'n sproei gebruik word, kan dit 'n niesreaksie veroorsaak by persone wat dit aanwend.

iii) Vir behandeling van bosluise kan **QUADREPEL®** aangewend word as 'n kolbehandeling of soos beskryf vir totale liggaamsbeskerming.

iv) Vir beskerming van perde teen muskiete, wend 'n totale liggaamsbehandeling daagliks aan soos aanbeveel.

v) Perde kan onmiddellik na behandeling gery of mee gewerk word.

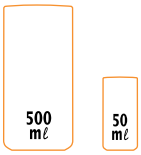
vi) Was hande na aanwending.

AANBIEDING
1 ℓ met besproeïingshandvatsel en 5 ℓ houer.

SOLUTION® 3,5% L.A.

REG NO G3689 (Act 36/1947)

NAMIBIA REG NO V06/18.1.2/651



INDICATIONS

SOLUTION® 3,5 % L.A. is an antiparasitic remedy for cattle and sheep.

Cattle: Long residual action on internal parasites:

- Wireworm - for up to 49 days
- Brown stomach worm - for up to 56 days
- Cattle bankrupt worm - for up to 42 days
- Hookworm - for up to 56 days
- Nodular worm - for up to 56 days

Long residual action on external parasites

- Blue ticks - for up to 54 days until fully engorged females are visible agian

Sheep:

- Kills sheep scab and prevents re-infestation - for up to 56 days
- Treat sheep scab outbreak with a single injection
- Internal parasites: wireworm and bankrupt worm

COMPOSITION

SOLUTION® 3,5 % L.A. contains Ivermectin 2,25 % m/v and Abamectin 1,25 % m/v.

WARNINGS

- CATTLE MUST NOT BE SLAUGHTERED FOR HUMAN CONSUMPTION WITHIN 120 DAYS OF LAST TREATMENT.
- SHEEP MUST NOT BE SLAUGHTERED FOR HUMAN CONSUMPTION WITHIN 70 DAYS OF LAST TREATMENT.
- DO NOT USE IN DAIRY CATTLE.
- Do not administer to calves less than 16 weeks of age.
- Can safely be used in lambs weighing 10 kg or more.

DOSAGE

1 mℓ per 50 kg body mass (subcutaneously).

PRESENTATION

50 mℓ, 500 mℓ and 3 x 500 mℓ Combo Pack.

INDIKASIES

SOLUTION® 3,5 % L.A. is 'n antiparasitiese middel vir beeste en skape.

Beeste: Lang nawerking op interne parasiete:

- Haarwurm - tot 49 dae
- Bruinmaagwurm - tot 56 dae
- Beesbankrotwurm - tot 42 dae
- Haakwurm - tot 56 dae
- Knoppieswurm - tot 56 dae

Lang nawerking op eksterne parasiete

- Bloubosluise - tot 54 dae voordat volgesuigde bloubosluiswyfies weer gesien word.

Skape:

- Dood skaap brandsiekmyte en voorkom herbesmetting - tot 56 dae
- Beheer die uitbreek van skaapbrandsiekte met 'n enkele inspuiting
- Interne parasiete: haarwurm en bankrotwurm

SAMESTELLING

SOLUTION® 3,5 % L.A. bevat Ivermektien 2,25 % m/v en Abamektien 1,25 % m/v.

WAARSKUWINGS

- BEESTE MOET NIE BINNE 120 DAE NA BEHANDELING VIR MENSLIKE GEBRUIK GESLAG WORD NIE.
- SKAPE MOET NIE BINNE 70 DAE NA BEHANDELING VIR MENSLIKE GEBRUIK GESLAG WORD NIE.
- MOET NIE IN MELKBEESTE GEBRUIK WORD NIE.
- Moet nie aan kalwers jonger as 'n ouderdom van 16 weke toedien nie.
- Is veilig om aan lammers wat 10 kg of meer weeg, toe te dien.

DOSIS

1 mℓ per 50 kg liggaamsmassa (onderhuids).

AANBIEDING

50 mℓ, 500 mℓ en 3 x 500 mℓ Kombopak.

TAKTIC® DIP FOR DOGS

REG NO G3153 (Act 36/1947)

NAMIBIA REG NO V03/18.3.4/255

INDICATIONS

Controls ticks and lice.

COMPOSITION

Amitraz 12,5 % m/v.

WARNINGS

- Do not use on Chihuahuas.
- Do not use on dogs suffering from heat stress.
- Do not use on cats.
- May be used on pregnant and lactating bitches.

MIXING INSTRUCTIONS

Mix the required volume of **TAKTIC® Dip for Dogs** with the specified volume of lukewarm water in a plastic bucket.

	TAKTIC® Dip for Dogs	Water (lukewarm)
Ticks and lice	10 mℓ	10 ℓ

PRESENTATION

100 mℓ.

INDIKASIES

Beheer bosluise en luise.

SAMESTELLING

Amitras 12,5 % m/v.

WAARSKUWINGS

- Moet nie op Chihuahuas gebruik nie.
- Moet nie op honde wat aan hittestres onderwerp is, gebruik nie.
- Moet nie op katte gebruik nie.
- Mag gebruik word op dragtige en lakterende tewe.

MENGINSTRUKSIES

Voeg die volume **TAKTIC® Dip for Dogs** dipmiddel by die volume louwarm water in 'n geskikte houer.

	TAKTIC® Dip for Dogs	Water (louwarm)
Bosluise en luise	10 mℓ	10 ℓ

AANBIEDING

100 mℓ.

TAKTIC® CATTLE SPRAY

REG NO G2535 (Act 36/1947)
NAMIBIA REG NO V02/18.3.4/781

INDICATIONS
Controls ticks on cattle. Treats and controls ticks on ostriches. Treats and controls mange mites and lice on goats. Kills lice and mange mites on cattle. Treats and controls sheep scab mites, itch mites, sheep lice and keds.

COMPOSITION
Contains Amitraz 12,5 % m/v.

WARNINGS
Do not use on horses.

DO NOT SLAUGHTER ANIMALS WITHIN 7 DAYS AND BIRDS WITHIN 14 DAYS OF LAST DIPPING FOR HUMAN CONSUMPTION. 60 DAY WOOL WITHDRAWAL PERIOD.

DIRECTIONS FOR USE
Cattle: Hand spraying or spray races.

	TAKTIC® Cattle Spray	Water
Initial dilution	1 ℓ	500 ℓ
Replenishment after 500 head	100 mℓ per 100 head	

Ticks: Weekly or as required

Mange: Weekly

Lice: Twice with 7 day interval

Sheep and Goats: Sheep scab and goat mange mites – plunge dip and continuous replenishment shower – once-off treatment

	TAKTIC® Cattle Spray	Water
Initial dilution rate	1 ℓ	250 ℓ
Replenishment	1,5 ℓ	250 ℓ

Sheep: Lice, itch mites and keds – plunge dip and continuous replenishment shower – 2 treatments, 14 days apart.

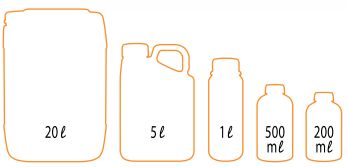
Goats: Lice

	TAKTIC® Cattle Spray	Water
Initial dilution rate	1 ℓ	500 ℓ
Replenishment	1,5 ℓ	500 ℓ

Ostriches: Ticks – spray birds until dip flow off (5 ℓ per bird).

TAKTIC® Cattle Spray	Water
1 ℓ	1 000 ℓ

PRESENTATION
200 mℓ, 500 mℓ, 1 ℓ, 5 ℓ, 20 ℓ and 200 ℓ



INDIKASIES
Beheer bosluise op beeste. Behandel en beheer bosluise op volstruise. Behandel en beheer skurftemyte en luise op bokke. Dood luise en skurtemyte op beeste. Behandel en beheer brandsiektemyte, jeukmyte, luise en luisvlieë op skape.

SAMESTELLING
Bevat Amitras 12,5 % m/v.

WAARSKUWINGS
Moet nie op perde gebruik nie.

MOET NIE DIERE BINNE 7 DAE OF VOËLS BINNE 14 DAE NA LAASTE DIP VIR MENSLIKE VERBRUIK SLAG NIE. 60 DAE WOLONTTREKKINGSPERIODE.

GEBRUIKSAANWYSINGS
Beeste: Handbespuiting of spuitgange.

	TAKTIC® Cattle Spray	Water
Aanvanklike verdunning	1 ℓ	500 ℓ
Aanvulling na 500 beeste	100 mℓ per 100 koppe	

Bosluise: Weekliks of soos benodig.

Skurfte: Weekliks.

Beesluise: Twee keer met 'n 7 dae tussenpose.

Skape en Bokke: Skaapbrandsiekte- en bokskurftemyte – dompeldipbakke en konstante aanvullingstorte – eenmalige behandeling

	TAKTIC® Cattle Spray	Water
Aanvanklike verdunning	1 ℓ	250 ℓ
Aanvulling	1,5 ℓ	250 ℓ

Skaap: Luise, skurftemyte en luisvlieë – dompeldipbakke en konstante aanvullingstorte – 2 behandelings met 14 dae tussenpose

Bokke: Luise

	TAKTIC® Cattle Spray	Water
Aanvanklike verdunning	1 ℓ	500 ℓ
Aanvulling	1,5 ℓ	500 ℓ

Volstruise: Bosluise – Bespuit voëls totdat dipmengsel afloop (5 ℓ per voël).

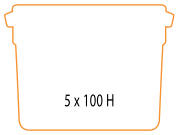
TAKTIC® Cattle Spray	Water
1 ℓ	1 000 ℓ

AANBIEDING
200 mℓ, 500 mℓ, 1 ℓ, 5 ℓ, 20 ℓ en 200 ℓ

TAKTIC® LS CATTLE DIP

REG NO G2536 (Act 36/1947)

NAMIBIA REG NO V02/18.3.4/779



INDICATIONS
Controls ticks. Kills lice and mange mites on cattle.

COMPOSITION
Contains Amitraz 23,75 % m/m plus stabiliser Calcium hydroxide 75 % m/m

WARNINGS
Do not use on horses.

DO NOT SLAUGHTER CATTLE FOR HUMAN CONSUMPTION WITHIN 7 DAYS OF LAST DIPPING.

MIXING INSTRUCTIONS (Dip tanks only)

100 HEAD PACK

Initial fill	Replenishment		
Packs of **TAKTIC® LS Cattle Dip**	Volume of water	No. of cattle dipped on last dipping	No. of 100 head packs of **TAKTIC® LS Cattle Dip**
30 x 100 head	7 500 ℓ	100	1
40 x 100 head	10 000 ℓ	200	2
50 x 100 head	12 500 ℓ	300	3
60 x 100 head	15 000 ℓ	400	4
70 x 100 head	17 500 ℓ	500	5

PRESENTATION
5 x 100 Head.

INDIKASIES
Beheer bosluise. Dood luise en skurftemyte op beeste.

SAMESTELLING
Amitras 23,75 % m/m plus stabiliseerder Kalsiumhidroksied 75 % m/m

WAARSKUWINGS
Moet nie op perde gebruik nie.

MOET NIE BEESTE BINNE 7 DAE NA LAASTE DIP VIR MENSLIKE GEBRUIK SLAG NIE.

MENGINSTRUKSIES (Slegs dipbakke)

100 BEHANDELINGSEENHEID PAK

Varsvulling	Aanvulling		
Pakke **TAKTIC® LS Cattle Dip**	Volume water	Aantal beeste gedip met vorige dip	Aantal 100 behandelings-pakke **TAKTIC® LS Cattle Dip**
30 x 100 koppe	7 500 ℓ	100	1
40 x 100 koppe	10 000 ℓ	200	2
50 x 100 koppe	12 500 ℓ	300	3
60 x 100 koppe	15 000 ℓ	400	4
70 x 100 koppe	17 500 ℓ	500	5

AANBIEDING
5 x 100 Koppe.

TAKTIC® TR

REG NO G2537 (Act 36/1947)

NAMIBIA REG NO V02/18.3.4/780

INDICATIONS
Cattle, sheep and goat dip. Controls ticks on cattle, sheep and goats. Kills cattle lice, sheep scab mites, itch mites and goat mange mites.

COMPOSITION
Contains 23,75 % m/m Amitraz

WARNINGS
Do not use on horses.

DO NOT SLAUGHTER ANIMALS FOR HUMAN CONSUMPTION WITHIN 7 DAYS OF LAST APPLICATION.

DIRECTIONS FOR USE
Cattle: For external use only on cattle by dipping (not for hand spraying or spray races).

TAKTIC® TR	Dipping level	TAKTIC® TR	Dipping level
100 g	500 ℓ	3 kg	15 000 ℓ
1 kg	5 000 ℓ	4 kg	20 000 ℓ
2 kg	10 000 ℓ	5 kg	25 000 ℓ

Sheep and Goats: For external use on sheep and goats by plunge dipping only. For sheep scab and goat mange, clean out the dip tank and re-fill with fresh water. Charge water at rate of 1 kg **TAKTIC® TR** to 700 ℓ water. Replenish dip wash at the rate of 1 kg **TAKTIC® TR** to 500 ℓ water, when one third of the dip wash has been used.

PRESENTATION
1 kg and 3 kg

INDIKASIES
Bees-, skaap- en bokdip. Beheer bosluise by beeste, skape en bokke. Dood beesluise, skaapbrandsiektemyte, jeukmyte en bokskurftemyte.

SAMESTELLING
Bevat 23,75 % m/m Amitras

WAARSKUWINGS
Moet nie op perde gebruik nie.

MOET NIE BEESTE BINNE 7 DAE NA LAASTE DIP VIR MENSLIKE GEBRUIK SLAG NIE.

GEBRUIKSAANWYSINGS
Beeste: Slegs vir uitwendige gebruik op beeste deur middel van dip (nie vir handbespuiting of in spuitgange nie).

TAKTIC® TR	Dipvlak	TAKTIC® TR	Dipvlak
100 g	500 ℓ	3 kg	15 000 ℓ
1 kg	5 000 ℓ	4 kg	20 000 ℓ
2 kg	10 000 ℓ	5 kg	25 000 ℓ

Skape en Bokke: Vir uitwendige gebruik op skape en bokke slegs deur middel van 'n dompeldip. Vir skaapbrandsiekte- en bokskurftemyte moet die dipbak skoongemaak en met vars water gevul word. Voeg dan 1 kg **TAKTIC® TR** by 700 ℓ water. Nadat 'n derde van die dipmengsel gebruik is, vul dit aan deur 1 kg **TAKTIC® TR** by 500 ℓ water te voeg.

AANBIEDING
1 kg en 3 kg

TAKTIC® WETTABLE POWDER CATTLE SPRAY

REG NO G2538 (Act 36/1947)

NAMIBIA REG NO V02/18.3.4/776

100 g

INDICATIONS
Controls ticks. Kills lice and mange mites on cattle.

COMPOSITION
Contains Amitraz 23,75 % m/m

WARNINGS
Do not use on horses.

DO NOT SLAUGHTER ANIMALS FOR HUMAN CONSUMPTION WITHIN 7 DAYS OF LAST APPLICATION.

DIRECTIONS FOR USE
ONLY FOR SPRAYING OF CATTLE

(hand spraying or spray races).

This dip wash must be freshly prepared for each spraying.

Fill

TAKTIC® WETTABLE POWDER	Sump capacity
100 g	100 ℓ water

Ticks and Mange:
Spray weekly

Lice:
Spray twice with a 7 day interval

PRESENTATION
100 g

INDIKASIES
Beheer bosluise. Dood beesluise en skurftemyte op beeste.

SAMESTELLING
Bevat Amitras 23,75 % m/m

WAARSKUWINGS
Moet nie op perde gebruik nie.

MOET NIE DIERE BINNE 7 DAE NA LAASTE DIP VIR MENSLIKE GEBRUIK SLAG NIE.

GEBRUIKSAANWYSINGS
SLEGS VIR BESPUITING VAN BEESTE

(handbespuiting of met spuitgange).

Die dipmengsel moet vir elke dipping vars aangemaak word.

Vul

TAKTIC® WETTABLE POWDER	Inhoud van opvangput
100 g	100 ℓ water

Bosluise en Skurftemyte:
Spuit weekliks

Luise:
Spuit twee keer met 'n 7 dae tussenpose

AANBIEDING
100 g

ZIPDIP

REG NO G381 (Act 36/1947)

NAMIBIA REG NO V00/18.3.2/493

1 ℓ

INDICATION
Dip for sheep, goats, angora goats and spray for pigs.

Kills sheep scab mites, lice, keds, blowfly larvae and controls ticks present at time of dipping and itch mites on sheep and goats. Does not protect against blowfly strike. Controls Karoo Paralysis ticks. Kills pig mange mites. Can be used for sheep, goats and pigs of all ages.

COMPOSITION
Contains 40 % m/m Triazophos.

WARNINGS
WITHDRAWAL PERIOD: ALLOW A 7 DAY INTERVAL BETWEEN THE LAST APPLICATION AND SLAUGHTER FOR HUMAN CONSUMPTION

DIRECTIONS FOR USE
Dip tank: 1 ℓ **ZIPDIP** per 3 300 ℓ water.

Replenishment tank: 1 ℓ **ZIPDIP** per 1 000 ℓ water.

PRESENTATION
1 ℓ

INDIKASIES
Dip vir skape, bokke, angorabokke en spuitstof vir varke.

Dood brandsiektemyte, luise, skaapluisvlieë, brommermaaiers en beheer bosluise tydens dip teenwoordig en jeukmyte op skape en bokke. Beskerm nie teen brommeraanvalle nie. Beheer Karooverlammingsbosluise. Dood varkskurftemyte. Kan by skape, bokke en varke van alle ouderdomme gebruik word.

SAMESTELLING
Bevat 40 % m/m Triasofos.

WAARSKUWINGS
ONTTREKKINGSPERIODE: LAAT 7 DAE TOE TUSSEN LAASTE TOEDIENING EN SLAG VIR MENSLIKE VERBRUIK

GEBRUIKSAANWYSINGS
Dipbak: 1 ℓ **ZIPDIP** per 3 300 ℓ water.

Aanvullingstenk: 1 ℓ **ZIPDIP** per 1 000 ℓ water.

AANBIEDING
1 ℓ

NOTES / NOTAS

NOTES / NOTAS

CATTLE DIPPING GUIDE

FOR TECHNICAL ADVISORS

		DIPS/HAND DRESSING						POUR ON'S				INJECTABLES	
	TRADE NAME	DELETE® -X5	DELTAB BACK-PACK	TAKTIC® CATTLE SPRAY	TAKTIC® LS	TAKTIC® TR	TAKTIC® WETTABLE POWDER	AVOTAN® PLUS POUR ON	AVOTAN® POUR ON	DELETE®	DELETE® ALL	IVOTAN®	SOLUTION® 3.5% LA
	REG NO (Act 36/1947)	G3279	G2518	G2535	G2536	G2537	G2538	G4216	G3745	G2815	G2837	G2858	G3689
	ACTIVE	Deltamethrin 5 % m/v	Deltamethrin 25 % m/v	Amitraz 12,5% m/v	Amitraz 23,75 % m/v	Amitraz 23,75 % m/v	Amitraz 23,75 % m/v	Abamectin 1,0 % m/v Fluazuron 2,5 % m/v	Abamectin 0,5 %	Deltamethrin 0,5 % Piperonyl Butoxide 2 %	Deltamethrin 0,5 %, Amitaz 2 %, Piperonyl Butoxide 2 %	Ivermectin 1 %	Ivermectin 2,25 %, Abamectin 1,25 %
	GROUP	Pyrethroid	Pyrethroid	Amidine	Amidine	Amidine	Amidine	Macrocyclic lactone & IGR (Insect Growth Regulator)	Macrocyclic lactone	Pyrethroid	Pyrethroid & Amidine	Macrocyclic lactone	Macrocyclic lactone
PARA-SITES	APPLI-CATION	Plunge dip, Jetting, Hand dressing	Jetting, Hand dressing	Jetting, Hand dressing	Plunge dip	Plunge dip	Jetting, Hand dressing	Pour-on	Pour-on	Pour-on	Pour-on	Injectable	Injectable
FLIES		●	●					●		●	●		
TICKS		●	●	✘	✘	✘	✘	Blue ticks (42 days)	Blue ticks	●	●	Blue ticks	Blue ticks (54 days)
LICE		●	●	●	●	●	●			●	●	●	
MITES		●		●	●	●	●				●	●	
BLACK FLIES		●	●							●	●		
ROUNDWORMS								●	✘				
SCREW-WORMS		●	●									●	
SANDTAMPANS												✘	

● kills ✘ controls

BEES DIPGIDS

VIR TEGNIESE ADVISEURS

		DIPPE/HANDBESPUITING						OPGIETMIDDELS				INSPUITINGS	
	HANDELS-NAAM	DELETE®-X5	DELTAB BACK-PACK	TAKTIC® CATTLE SPRAY	TAKTIC® LS	TAKTIC® TR	TAKTIC® WETTABLE POWDER	AVOTAN® PLUS POUR ON	AVOTAN® POUR ON	DELETE®	DELETE® ALL	IVOTAN®	SOLUTION® 3.5% LA
	REG NR (Wet 36/1947)	G3279	G2518	G2535	G2536	G2537	G2538	G4216	G3745	G2815	G2837	G2858	G3689
	AKTIEF	Deltametrien 5 % m/v	Deltametrien 25 % m/v	Amitras 12,5 % m/v	Amitras 23,75 % m/v	Amitras 12,5 % m/v	Amitras 23,75 % m/v	Abamektien 1,0 % m/v Fluasuron 2,5 % m/v	Abamektien 0,5 %	Deltametrien 0,5 %, Piperoniel-butoksied 2 %	Deltametrien 0,5 % Amitras 2 % Piperoniel-butoksied 2 %	Ivermektien 1 %	Ivermektien 2,25 %, Abamektien 1,25 %
	GROEP	Piretroïed	Piretroïed	Amidien	Amidien	Amidien	Amidien	Makrosikliese laktoon & IGR (Insek-groeireguleerder)	Makrosikliese laktoon	Piretroïed	Piretroïed & Amidien	Makrosikliese laktoon	Makrosikliese laktoon
PARA-SIETE	TOEDIENING	Dompeldip, Spuitdip, Handbespuiting	Spuitdip, Handbespuiting	Spuitdip, Handbespuiting	Dompeldip	Dompeldip	Spuitdip, Handbespuiting	Opgietmiddel	Opgietmiddel	Opgietmiddel	Opgietmiddel	Inspuitbaar	Inspuitbaar
VLIEË		●	●					●		●	●		
BOSLUISE		●	●	✘	✘	✘	✘	Bloubosluise (42 dae)	Bloubosluise	●	●	Bloubosluise	Bloubosluise (54 dae)
LUISE		●	●	●	●	●	●			●	●	●	
MYTE		●		●	●	●	●				●	●	
MUGGIES		●	●							●	●		
RONDWURMS								●	✘				
SPYKERWURMS		●	●									●	
SANDTAMPANS												✘	

● dood ✘ beheer

SHEEP DIPPING GUIDE

FOR TECHNICAL ADVISORS

		DIP REMEDIES					POUR-ON'S		INJECTABLES	
	TRADE NAME	FLEECECARE®	ZIPDIP	TAKTIC® CATTLE SPRAY	DELETE®-X5	DELTAB BACK-PACK	DELETE®	DELETE® ALL	IVOTAN®	SOLUTION® 3,75% L.A
	REG NO (Act 36/1947)	G1743	G381	G2535	G3279	G2518	G2815	G2837	G2858	G3689
	Active	Diflubenzuron 250 g/ℓ	Triazophos 40 % m/m	Amitraz 12,5 % m/v	Deltamethrin 5 % m/v	Deltamethrin 25 % m/v	Deltamethrin 0,5 % m/v Piperonyl Butoxide 2 % m/v	Amitraz 2 % Deltamethrin 0,5 % m/v Piperonyl butoxide 2 %	Ivermectin 1 %	Ivermectin 2,25 % Abamectin 1,25 %
	Group	Insect Growth Regulator (IGR)	Organophosphate	Amidine	Pyrethroid	Pyrethroid	Pyrethroid	Pyrethroid & Amidine	Macrocyclic lactone	Macrocyclic lactone
Parasites	Application	Plunge dip, Jetting	Plunge dip, belly bath, foot bath and jetting	Jetting, hand dressing	Plunge dip	Jetting, hand dressing	Pour-On	Pour-On	Injectables	Injectables
Blow Flies										
Maggots (Kills)			●	●						
Strikes (Prevents)		● (up to 16 weeks)		●						
Ticks										
Ticks present at dipping			✘	●	✘	✘				
Bont-legged tick							✘	✘		
Red-legged tick							✘	✘		
Karoo paralysis tick			✘				✘	✘		
Lice										
Red lice (Biting lice)		●	●	●	●	●				
Blue lice (sucking lice)			●	●	●	●				
Mites										
Sheep scab mite			●	●	●	●			●	● (up to 56 days)
Sheep itch mite			✘	●					●	
Goat itch mite			✘	●						
Goat mange mite			✘	●						
Keds										
Sheep ked			●	●	●	●				
Midges										
Midges										

● kills ✘ controls

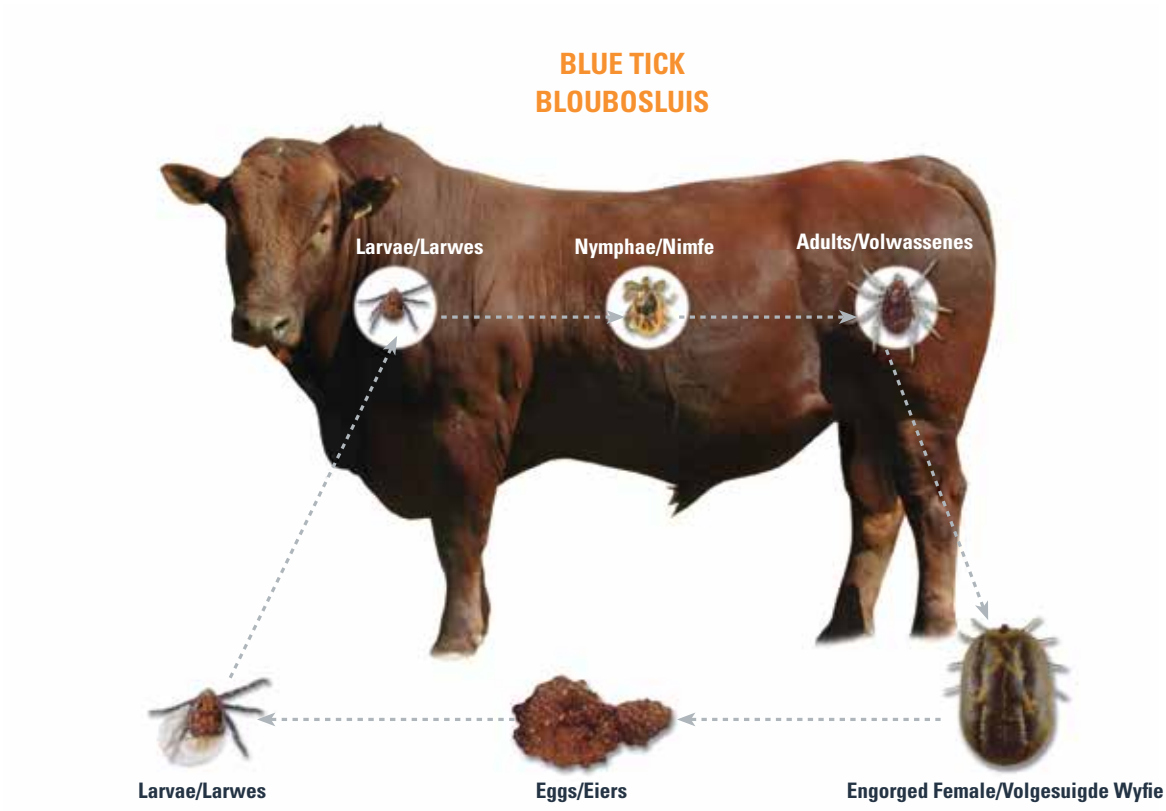
SKAAP DIPGIDS

VIR TEGNIESE ADVISEURS

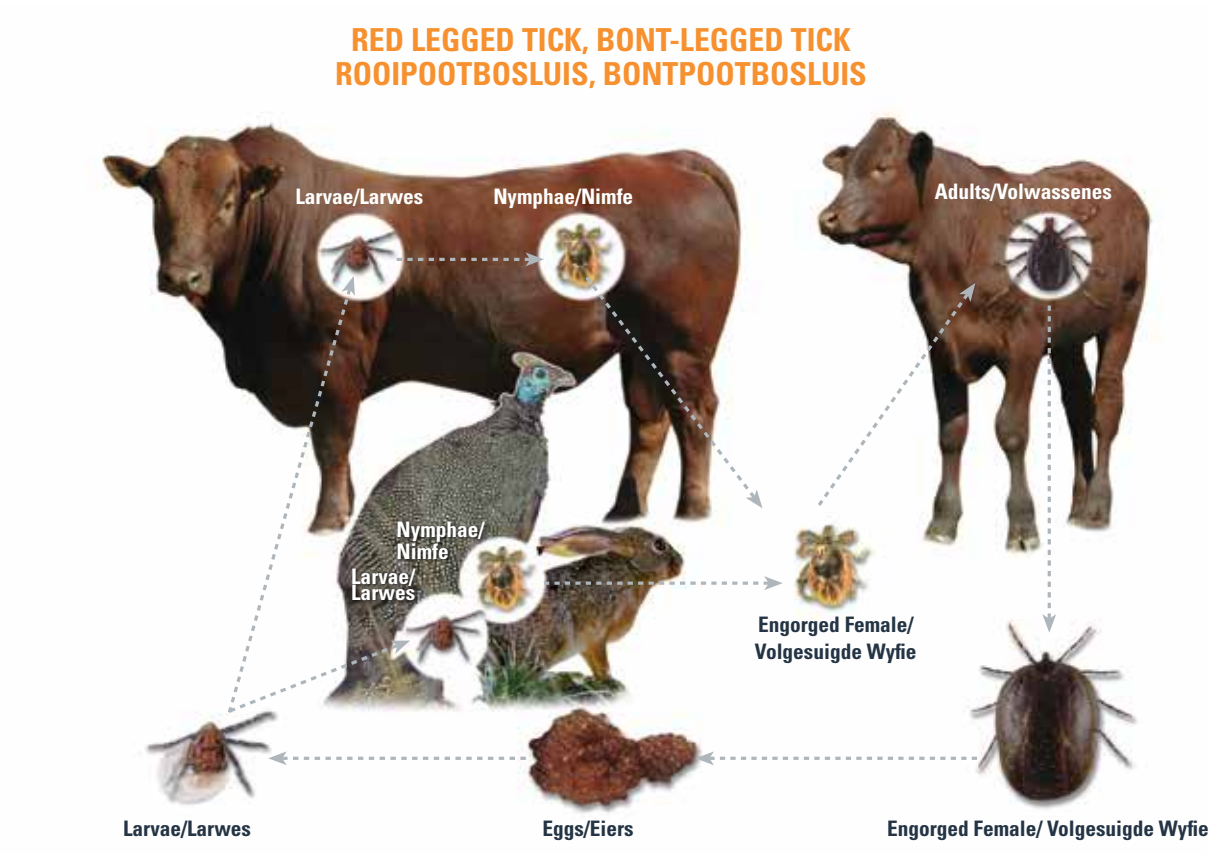
		DOMPELDIPPE					OPGIETMIDDELS		INSPUITINGS	
	HANDELS-NAAM	FLEECECARE®	ZIPDIP	TACTIC® CATTLE SPRAY	DELETE®-X5	DELTAB BACK-PACK	DELETE®	DELETE® ALL	IVOTAN®	SOLUTION® 3,75% L.A
	REG NR (Wet 36/1947)	G1743	G381	G2535	G3279	G2518	G2815	G2837	G2858	G3689
	Aktief	Diflubensuron 250 g/ℓ	Triasofos 4 % m/m	Amitras 12,5 % m/v	Deltametrien 5 % m/v	Deltametrien 25 % m/v	Deltametrien 0,5 % m/v Piperonielbutoksied 2 % m/v	Amitras 2 % Deltametrien 0,5 % m/v Piperonielbutoksied 2 %	Ivermektien 1 %	Ivermektien 2,25 % Abamektien 1,25 %
	Groep	Insek Groei Reguleerder (IGR)	Organofosfaat	Amidien	Piretroïed	Piretroïed	Piretroïed	Piretroïed & Amidien	Makrosikliese laktoon	Makrosikliese laktoon
Parasiete	Toediening	Dompeldip, spuitdip	Dompeldip, pensdip, voetbad en spuitdip	Spuitdip, hand-bespuiting	Dompeldip	Spuitdip, hand-bespuiting	Opgietmiddel	Opgietmiddel	Inspuitbaar	Inspuitbaar
Brommers										
Maaier (Dood)			●	●						
Aanvalle (Voorkom)		● (tot 16 weke)		●						
Bosluise										
Bosluise teenwoordig tydens dip			✘	●	✘	✘				
Bontpootbosluis							✘	✘		
Rooipootbosluis							✘	✘		
Karooverlammingsbosluis			✘				✘	✘		
Luise										
Rooiluise (Bytende luis)		●	●	●	●	●				
Blouluis (Suigende luis)			●	●	●	●				
Myte										
Skaapbrandsiekmyte			●	●	●	●			●	● (tot 56 dae)
Skaapjeukmyt			✘	●					●	
Bokmyt			✘	●						
Bokskurftemyt			✘	●						
Luisvlieë										
Skaapluisvlieg			●	●	●	●				
Muggies										
Muggies										

● dood ✘ beheer

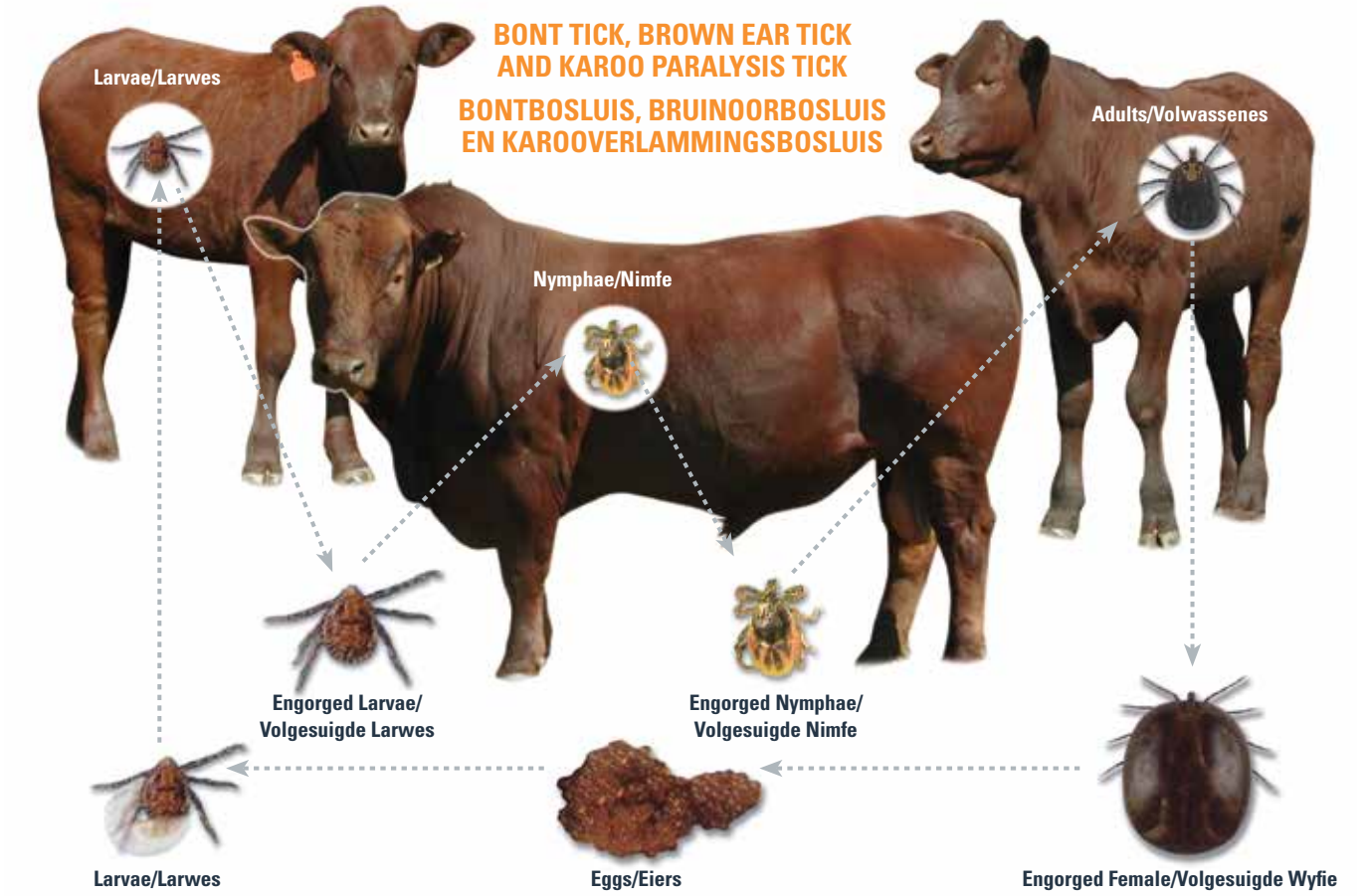
ONE-HOST TICK LIFECYCLE / EEN-GASHEER BOSLUIS LEWENSIKLUS



TWO-HOST TICK LIFECYCLE / TWEE-GASHEER BOSLUIS LEWENSIKLUS



THREE-HOST TICK LIFECYCLE / DRIE-GASHEER BOSLUIS LEWENSIKLUS



NOTES / NOTAS

MSD Animal Health
Tick Testing - Information Sheet

METHOD OF COLLECTION:

1. Collect only **fully engorged** female ticks from the animals before they are treated.
2. Tick collections can be made from any part of the animal's body and from any number of animals.
3. Collect at least **60-80 fully engorged ticks**.
4. The ticks should be placed between layers of tissue paper in the container in order to absorb the moisture.
5. Ensure that the container has holes in the lid.
6. The ticks must not be exposed to excessive heat or direct sunlight for any lengthy period after collection.
7. Fill in all the data on the "**INFORMATION SHEET**".
8. Dispatch via the "**PRIORITY MAIL**" service of the Post Office (counter to counter).
9. Phone the research unit with a tracking number to confirm the dispatch.

NOTIFY THE RESEARCH UNIT WHEN SENDING SAMPLES TO FACILITATE COLLECTION:

Tel : (013) 792-4518 or 082 901 2859
Fax : (013) 792-4528
Cell : 083 261 5891
082 940 3437

Send to: **Malalane Research Unit, P O Box 124, Malalane, 1320**

NAME OF MANAGER	POSTAL ADDRESS	REPRESENTATIVE

APPLICATION METHOD – INDICATE WITH A (✓)									
DIPTANK	(✓)	POUR-ON	(✓)	HANDSPRAY	(✓)	PATCH TREATMENT	(✓)	SPRAY RACE	(✓)

PRESENT ACARICIDE
PERIOD OF USE
PREVIOUS ACARICIDE USED
PERIOD OF USE
APPROX. NO. OF DIPPINGS PER YEAR

REASON FOR SAMPLING – INDICATE WITH A (✓)			
TICK BORNE DISEASE (INDICATE WHICH)	(✓)	SUSPECTED RESISTANCE	(✓)
INCREASED INFESTATION	(✓)	MORTALITIES	(✓)
ROUTINE	(✓)	OTHER	(✓)

ADULT ENGORGED TICKS SEEN ON – INDICATE WITH A (✓)							
Every Animal	(✓)	One in every 5	(✓)	One in every 10	(✓)	One in every 100	(✓)

ADULT ENGORGED TICKS SEEN ON ANIMALS – INDICATE WITH A (✓)											
Top-line	(✓)	Neck/ Brisket	(✓)	Ears	(✓)	Under tail	(✓)	Under-line	(✓)	Legs	(✓)

THIS TICK SAMPLE WAS COLLECTED FROM A TOTAL OF – INDICATED WITH A (✓)			
1-5 animals	(✓)	5-10 animals	(✓)
10-15 animals	(✓)	15-20 animals	(✓)
-20 animals	(✓)		

MOST IMPORTANT / PREVALENT TICK SPECIES SEEN IN AREA – INDICATE WITH A (✓):			
BLUE	(✓)	REDLEGGED	(✓)
BONT	(✓)	BONT LEGGED	(✓)
BROWN EAR	(✓)	OTHER	(✓)

FOR LABORATORY USE ONLY: LAB # (DATE RECEIVED: .....)

TICK SPECIES	ACARICIDE	% TICK CONTROL

Intervet SA (Pty) Ltd, Reg. No. 1991/006580/07
Private Bag X2026, Isando, 1600, Head Office - Tel: +27 (0) 11 923-9300
Fax: +27 (0) 11 392-3158 Sales-Fax: 086 603 1777 www.msd-animal-health.co.za

MSD Animal Health

MSD Animal Health
Dip wash Analysis - Information Sheet

METHOD OF COLLECTION:

Using a clean glass bottle, take the sample from the main body of the dip tank, approximately 30cm below the surface of the dip wash, immediately after dipping at least 50 head of cattle.

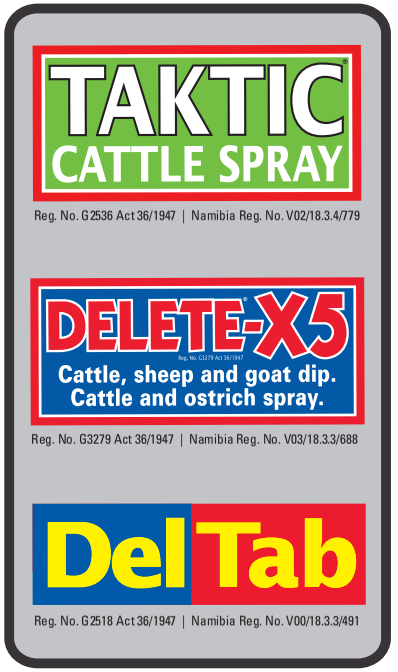
SEND SAMPLE ASAP AFTER COLLECTION

NOTIFY THE RESEARCH UNIT WHEN SENDING SAMPLES TO FACILITATE COLLECTION:

Tel : (013) 792-4518 or 082 901 2859
Fax : (013) 792-4528
Cell : 083 261 5891
082 940 3437

Send to: **Malalane Research Unit, P O Box 124, Malalane, 1320**

Name of manager		Name / Number of diptank	
Postal address		Size of diptank (l)	
Representative		No. of cattle being dipped at each treatment	
REASON FOR SAMPLING		**NAME OF THE PRODUCT**	
Tank in disuse		**TAKTIC® LS** – Active Add **LIME** for this sample (1 teaspoon of lime to each 200ml sample)	
Severe flooding of diptank		**TAKTIC® LS** – Lime test **DO NOT** add **LIME** to this sample	
Poor tick control		**DELETE®-X5 / DELTAB BACK-PACK**	
Incidence of tick borne diseases			
Other		Date of sampling	



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Fax: +27 (0) 11 392-3158 Sales-Fax: 086 603 1777 www.msd-animal-health.co.za | ZA/ORUM/0417/0008

MSD Animal Health

NOTES / NOTAS

NOTES / NOTAS

03

ENDOPARASITICIDES / ENDOPARASITIESE MIDDELS

AVOTAN® PLUS POUR-ON

REG NO G4216 (Act 36/1947)

INDICATIONS
Ready-to-use pour-on for use on cattle for the control of blue ticks, horn flies and gastrointestinal roundworms in cattle. **AVOTAN® PLUS Pour-On** has residual efficacy of 42 days against *Rhipicephalus (Boophilus)* spp. (blue ticks) in cattle.

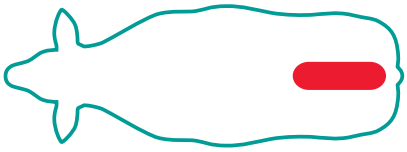
COMPOSITION
Contains: Abamectin 1,0 % m/v and Fluazuron 2,5 % m/v.

WARNINGS
WITHDRAWAL PERIOD: MEAT: 54 DAYS.
DO NOT USE ON LACTATING CATTLE WHERE MILK IS INTENDED FOR HUMAN CONSUMPTION.

DIRECTIONS FOR USE
Use only as directed.
AVOTAN® PLUS Pour-On is a ready-to-use remedy.
Do not dilute or use with any other remedy.

DOSAGE
1 mℓ per 10 kg body mass (1,0 mg abamectin and 2,5 mg fluazuron/kg body weight).

PRESENTATION
1 ℓ plastic (HDPE) containers.



INDIKASIES
Gereed-vir-gebruik opgietmiddel vir die beheer van bloubosluise, horingvlieë en gastro-intestinale rondewurms in beeste. **AVOTAN® PLUS Pour-On** het 'n na-werkende effek van 42 dae teen *Rhipicephalus (Boophilus)* spp. (bloubosluise) op beeste.

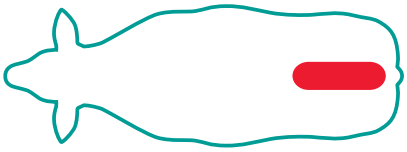
SAMESTELLING
Bevat: Abamektien 1,0 % m/v en Fluasuron 2,5 % m/v.

WAARSKUWINGS
ONTTREKKINGSPERIODE: VLEIS: 54 DAE.
MOENIE DIE PRODUK OP LAKTERENDE BEESTE GEBRUIK, INDIEN HULLE MELK VIR MENSLIKE VERBRUIK BESTEM IS NIE.

GEBRUIKSAANWYSINGS
Gebruik slegs soos aangedui.
AVOTAN® PLUS Pour-On is 'n gereed-vir-gebruik middel.
Moenie verdun of saam met enige ander middel gebruik nie.

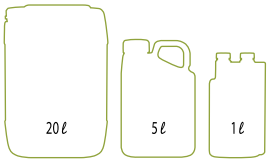
DOSIS
1 mℓ per 10 kg liggaamsmassa (1,0 mg abamektien en 2,5 mg fluasuron/kg liggaamsmassa)

AANBIEDING
1 ℓ plastiek (HDPE) houers.



AVOTAN® POUR-ON

REG NO G3745 (Act 36/1947)
NAMIBIA REG NO V07/18.1.2/376



INDICATIONS
Ready to use pour-on for the control of roundworms and blue ticks in cattle.

COMPOSITION
Contains Abamectin 5 mg per mℓ.

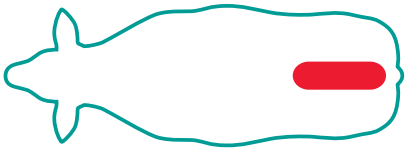
GROUP
(1)

WARNINGS
WITHDRAWAL PERIOD: DO NOT SLAUGHTER CATTLE FOR HUMAN CONSUMPTION WITHIN 35 DAYS OF LAST TREATMENT.
MILK: NONE.

DIRECTIONS FOR USE
Use only as directed.
Pour the recommended amount of product on a concentrated area of about 15 to 20 cm along the rump-/lumber area.

DOSAGE
1 mℓ per 10 kg body weight (500 µg Abamectin per kg).

PRESENTATION
Plastic containers in 1 ℓ, 5 ℓ and 20 ℓ pack sizes.



INDIKASIES
Gereed vir gebruik opgietmiddel vir die beheer van rondewurms en bloubosluise in beeste.

SAMESTELLING
Bevat Abamektien 5 mg per mℓ.

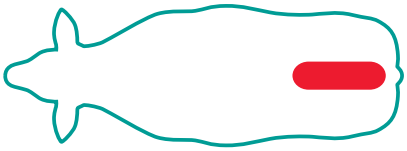
GROEP
(1)

WAARSKUWINGS
ONTTREKKINGSPERIODE: MOET NIE BEESTE BINNE 35 DAE NA LAASTE BEHANDELING VIR MENSLIKE VERBRUIK SLAG NIE.
MELK: GEEN.

GEBRUIKSAANWYSINGS
Gebruik slegs soos aangedui.
Giet die aanbevole hoeveelheid produk oor 'n gekonsentreerde area van ongeveer 15 tot 20 cm langs die kruis-/stertwortel area.

DOSIS
1 mℓ per 10 kg liggaamsmassa (500 µg Abamektien per kg).

AANBIEDING
Plastiese houers in 1 ℓ, 5 ℓ en 20 ℓ verpakkingsgrootte.



FLUXACUR NF

REG NO G3202 (Act 36/1947)

NAMIBIA REG NO V03/18.1.8/679

INDICATIONS

FLUXACUR NF is an antiparasitic remedy for the control of internal parasites in cattle, sheep and goats, for the control of nasal bot in sheep and goats and itch mite in sheep, as well as a liver fluke remedy against early immature and adult liver fluke and giant liver fluke in cattle, sheep and goats.

COMPOSITION

Contains 0,2 % m/v Abamectin and 10 % m/v Triclabendazole.

GROUP

① + ②

WARNINGS

DO NOT SLAUGHTER CATTLE WITHIN 28 DAYS, AND SHEEP WITHIN 21 DAYS OF LAST TREATMENT, FOR HUMAN CONSUMPTION.

DOSAGE

1 mℓ per 10 kg body mass.

PRESENTATION

5 ℓ

INDIKASIES

FLUXACUR NF is 'n antiparasitiese middel vir die beheer van inwendige parasiete in beeste, skape en bokke, vir die beheer van neuswurm in skape en bokke en jeukmyte in skape, asook 'n lewerslakmiddel teen die vroeë onvolwasse en volwasse lewerslak en reuse lewerslak in beeste, skape en bokke.

SAMESTELLING

Bevat 0,2 % m/v Abamektien en 10 % m/v Triklabendasool.

GROEP

① + ②

WAARSKUWINGS

MOET NIE BEESTE BINNE 28 DAE EN SKAPE BINNE 21 DAE NA LAASTE BEHANDELING VIR MENSLIKE VERBRUIK SLAG NIE.

DOSIS

1 mℓ per 10 kg liggaamsmassa.

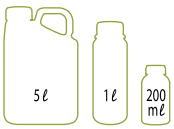
AANBIEDING

5 ℓ

GARDAL 10%

REG NO G3201 (Act 36/1947)

NAMIBIA REG NO V03/18.1.1/678



INDICATIONS

A remedy against roundworms and milk tapeworms in cattle, sheep and goats as well as a liver fluke remedy in sheep and goats.

COMPOSITION

Contains 10 % m/v Ricobendazole.

GROUP

②

WARNINGS

- DO NOT SLAUGHTER CATTLE WITHIN 21 DAYS, AND SHEEP AND GOATS WITHIN 8 DAYS OF LAST TREATMENT, FOR HUMAN CONSUMPTION.
- **MILK:** 72 HOURS
- Do not administer to pregnant cows/ewes during the first stage of pregnancy or during the first month after mating.

DIRECTIONS FOR USE

Roundworms & milk tapeworm

Cattle: 1,5 mℓ undiluted product/20 kg (7,50 mg/kg body mass).

Sheep & Goats: 1,5 mℓ diluted product/10 kg (3,75 mg/kg body mass).

Liverfluke:

Sheep & Goats: 2,0 mℓ diluted product/10 kg (5,0 mg/kg body mass).

NOTE: For sheep & goat administration: **GARDAL 10%** must be diluted before administration – 1 part **GARDAL 10%** diluted with 3 parts clean water (e.g. 1 ℓ **GARDAL 10%** diluted with 3 ℓ clean water). Diluted product may not be stored for future use. Use all diluted product or discard.

PRESENTATION

200 mℓ, 1 ℓ and 5 ℓ

INDIKASIES

'n Middel teen rondewurms en melklintwurm vir beeste, skape en bokke, asook 'n lewerslakmiddel in skape en bokke.

SAMESTELLING

Bevat 10 % m/v Rikobendasool.

GROEP

②

WAARSKUWINGS

- MOET NIE BEESTE BINNE 21 DAE, EN SKAPE EN BOKKE BINNE 8 DAE, NA LAASTE BEHANDELING VIR MENSLIKE VERBRUIK SLAG NIE.
- **MELK:** 72 URE
- Moet nie gebruik word in dragtige koeie/ooie gedurende die eerste fase van dragtigheid of gedurende die eerste maand na dekking nie.

GEBRUIKSAANWYSINGS:

Rondewurm & melklintwurm

Beeste: 1,5 mℓ onverdunde produk/20 kg (7,5 mg/kg liggaamsmassa).

Skape & Bokke: 1,5 mℓ verdunde produk/10 kg (3,75 mg/kg liggaamsmassa).

Lewerslak:

Skape & Bokke: 2,0 mℓ verdunde produk/10 kg (5,0 mg/kg liggaamsmassa).

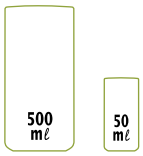
NOTA: Vir skaap- en boktoediening moet **GARDAL 10%** verdun word voor toediening – 1 deel **GARDAL 10%** met 3 dele skoon water (bv. 1 ℓ **GARDAL 10%** verdun met 3 ℓ skoon water). Verdunde produk moet nie vir latere gebruik gestoor word nie. Gebruik al die verdunde produk of gooi weg

AANBIEDING

200 mℓ, 1 ℓ en 5 ℓ

IVOTAN®

REG NO G2858 (Act 36/1947)
NAMIBIA REG V01/18.1.2/731



INDICATIONS
Antiparasitic remedy for cattle, sheep and pigs.

COMPOSITION
Contains Ivermectin 1 % m/v.

GROUP
1

WARNINGS
CATTLE AND SHEEP MUST NOT BE SLAUGHTERED FOR HUMAN CONSUMPTION WITHIN 21 DAYS OF LAST TREATMENT.

PIGS MUST NOT BE SLAUGHTERED FOR HUMAN CONSUMPTION WITHIN 28 DAYS OF LAST TREATMENT.

DO NOT USE IN LACTATING CATTLE OR SHEEP WHERE MILK OR MILK PRODUCTS ARE INTENDED FOR HUMAN CONSUMPTION.

DO NOT USE IN DAIRY CATTLE WITHIN 28 DAYS BEFORE CALVING WHERE MILK OR MILK PRODUCTS ARE INTENDED FOR HUMAN CONSUMPTION.

DIRECTIONS FOR USE
Shake well before use.
In cattle inject under the loose skin in front of or behind the shoulder.
In wool sheep, be certain that the needle has penetrated the wool and skin before delivering the dose.
Administer to pigs subcutaneously in the neck.

DOSAGE
Cattle and Sheep: 1 mℓ per 50 kg body mass (subcutaneously).
Pigs: 1 mℓ per 33 kg body mass (subcutaneously).

PRESENTATION
50 mℓ, 500 mℓ and 3 x 500 mℓ Combo Pack

INDIKASIES
Antiparasitiese middel vir beeste, skape en varke.

SAMESTELLING
Bevat Ivermektien 1 % m/v.

GROEP
1

WAARSKUWINGS
MOET NIE BEESTE EN SKAPE BINNE 21 DAE NA BEHANDELING VIR MENSLIKE GEBRUIK SLAG NIE.

MOET NIE VARKE BINNE 28 DAE NA BEHANDELING VIR MENSLIKE GEBRUIK SLAG NIE.

MOET NIE GEBRUIK WORD IN BEESTE OF SKAPE WAARVAN DIE MELK OF SUIWELPRODUKTE VIR MENSLIKE GEBRUIK BESTEM IS NIE.

MOET NIE MELKKOEIE BEHANDEL BINNE 28 DAE VOOR KALWING INDIEN DIE MELK OF SUIWELPRODUKTE BESTEM IS VIR MENSLIKE GEBRUIK NIE.

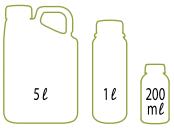
GEBRUIKSAANWYSINGS
Skud goed voor gebruik.
In beeste spuit by die los vel, voor of agter die skouerblad in.
In wolskape, verseker dat die naald die wol en vel deurgedring het voordat die dosis ingespuit word.
In varke spuit onderhuids by die nek in.

DOSIS
Beeste en Skape: 1 mℓ per 50 kg liggaamsmassa (onderhuids).
Varke: 1 mℓ per 33 kg liggaamsmassa (onderhuids).

AANBIEDING
50 mℓ, 500 mℓ en 3 x 500 mℓ Kombopak

NASALCUR®

REG NO G1831 (Act 36/1947)
NAMIBIA REG NO V93/18.1.3/519



INDICATIONS
Remedy for nasal worm, liver fluke and wireworm in sheep and goats as well as liver fluke and wireworm in cattle.

COMPOSITION
Contains 3,0 % m/v Rafoxanide.

GROUP
4

WARNINGS
- DO NOT SLAUGHTER ANIMALS, WITHIN 28 DAYS OF LAST TREATMENT, FOR HUMAN CONSUMPTION.
- MILK FROM TREATED ANIMALS MUST NOT BE USED FOR HUMAN CONSUMPTION.
- Care must be taken in calculating the correct dosage rate as overdoses may lead to toxicity.
- DO NOT USE IN LACTATING ANIMALS WHERE MILK OR MILK PRODUCTS ARE INTENDED FOR HUMAN CONSUMPTION.

DOSAGE
Cattle, sheep and goats:
2,5 mℓ per 10 kg live mass.

PRESENTATION
200 mℓ, 1 ℓ and 5 ℓ

INDIKASIES
Middel teen neuswurm, lewerslak- en haarwurm in skape en bokke asook lewerslak- en haarwurm in beeste.

SAMESTELLING
Bevat 3,0 % m/v Rafoksanied.

GROEP
4

WAARSKUWINGS
- MOET NIE DIERE BINNE 28 DAE, NA LAASTE BEHANDELING VIR MENSLIKE VERBRUIK SLAG NIE.
- MELK VANAF BEHANDELDE DIERE MOET NIE VIR MENSLIKE GEBRUIK AANGEWEND WORD NIE.
- Bepaal die korrekte dosis aangesien oordosering vergiftiging mag veroorsaak.
- MOET NIE IN LAKTERENDE DIERE, WAARVAN DIE MELK OF MELKPRODUKTE VIR MENSLIKE GEBRUIK AANGEWEND WORD, GEBRUIK WORD NIE.

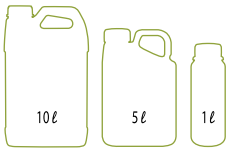
DOSIS
Beeste, skape en bokke:
2,5 mℓ per 10 kg liggaamsmassa.

AANBIEDING
200 mℓ, 1 ℓ en 5 ℓ

NEM-A-FLUKE®

REG NO G3563 (Act 36/1947)

NAMIBIA REG NO V95/18.1.8/46



INDICATIONS
Roundworm and liver fluke remedy for cattle, sheep and goats. Controls adult and immature stages of conical fluke (*Calicophoron* spp.*) in cattle, sheep and goats.

COMPOSITION
Contains Levamisole Hydrochloride 2,5 % m/v and Oxyclozanide 3,4 % m/v.

GROUP
(3) + (4)

WARNINGS
- DO NOT SLAUGHTER ANIMALS WITHIN 7 DAYS OF LAST TREATMENT FOR HUMAN CONSUMPTION.
- No worm remedy, not even **NEM-A-FLUKE®**, should be dosed to sheep and goats that have not been immunised against pulpy kidney (enterotoxaemia).
- In a small percentage of high-producing dairy cows the following transient reactions may be noted: diarrhoea, salivation and swelling of the head. This reaction is usually brief.

DOSAGE
Cattle: 15 mℓ per 50 kg body mass.

Sheep and goats: 3 mℓ per 10 kg body mass.

Cattle, sheep and goats for treatment of conical fluke (*Calicophoron* spp.*):
3 mℓ per 10 kg body mass followed by a second identical dose 72 hours later.

PRESENTATION
1 ℓ, 5 ℓ and 10 ℓ

* Formerly *Paramphistomum* spp.

INDIKASIES
Rondewurm en lewerslakmiddel vir beeste, skape en bokke.

Beheer volwasse en onvolwasse stadia van peervormige maagslakwurm (*Calicophoron* spp.*) in beeste, skape en bokke.

SAMESTELLING
Bevat Levamisoolhidrochloried 2,5 % m/v en Oksiklosanied 3,4 % m/v.

GROEP
(3) + (4)

WAARSKUWINGS
- MOET NIE DIERE BINNE 7 DAE, NA LAASTE BEHANDELING VIR MENSLIKE VERBRUIK SLAG NIE.
- Geen wurmmiddel, nie eers **NEM-A-FLUKE®**, moet toegedien word aan skape en bokke wat nie teen bloednier (enterotoksemie) ingeënt is nie.
- In klein persentasies van hoë produserende melkkoeie mag die volgende reaksies waargeneem word: diarree, verhoogde speekselproduksie en swelling van die kop. Hierdie reaksies is gewoonlik van korte duur.

DOSIS
Beeste: 15 mℓ per 50 kg liggaamsmassa.

Skape en bokke: 3 mℓ per 10 kg liggaamsmassa.

Beeste, skape en bokke vir die behandeling van peervormige maagslakwurm (*Calicophoron* spp.*):
3 mℓ per 10 kg liggaamsmassa gevolg deur 'n tweede identiese dosis na 72 ure.

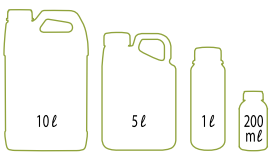
AANBIEDING
1 ℓ, 5 ℓ en 10 ℓ

* Voorheen *Paramphistomum* spp.

NEM-A-RID® 3,75%

REG NO G3548 (Act 36/1947)

NAMIBIA REG NO V95/18.1.8/48



INDICATIONS
Roundworm and liver fluke remedy for cattle, sheep and goats as well as a nasal worm remedy for sheep and goats.

Targets: Wireworm, brown stomachworm, bankruptworm, cattle bankruptworm, long-necked bankruptworm, large-mouthed bowelworm, hookworm, nodular worm, lungworm, liver fluke, giant liver fluke.

COMPOSITION
Contains 3,75 % m/v Levamisole Hydrochloride and 3,75 % m/v Rafoxanide.

GROUP
(3) + (4)

WARNINGS
- DO NOT SLAUGHTER ANIMALS WITHIN 28 DAYS OF LAST TREATMENT FOR HUMAN CONSUMPTION.
- DO NOT USE IN LACTATING ANIMALS WHERE MILK OR MILK PRODUCTS ARE INTENDED FOR HUMAN CONSUMPTION.
- No worm remedy, not even **NEM-A-RID® 3,75%** should be dosed to sheep and goats that have not been immunised against pulpy kidney (enterotoxaemia).
- Care must be taken in calculating the correct dosage rate as overdose may lead to toxicity.
- Do not treat animals under the age of 6 weeks.
- Do not treat animals more frequently than every 3 weeks.

DOSAGE
Sheep and goats: 2 mℓ per 10 kg body mass.
Cattle: 10 mℓ per 50 kg body mass.

PRESENTATION
200 mℓ, 1 ℓ, 5 ℓ and 10 ℓ

INDIKASIES
Rondewurm- en lewerslakmiddel vir beeste, skape en bokke asook 'n neuswurmmiddel vir skape en bokke.

Teiken: Haarwurm, bruinmaagwurm, bankrotwurm, beesbankrotwurm, langnekbankrotwurm, grootbekwurm, haakwurm, knoppieswurm, longwurm, lewerslak, reuse lewerslak

SAMESTELLING
Bevat 3,75 % m/v Levamisoolhidrochloried en 3,75 % m/v Rafoksanied.

GROEP
(3) + (4)

WAARSKUWINGS
- MOET NIE DIERE BINNE 28 DAE, NA LAASTE BEHANDELING VIR MENSLIKE VERBRUIK SLAG NIE.
- MOET NIE IN LAKTERENDE DIERE, WAARVAN DIE MELK OF MELKPRODUKTE VIR MENSLIKE GEBRUIK AANGEWEND WORD, GEBRUIK WORD NIE.
- Geen wurmmiddel, nie eers **NEM-A-RID® 3,75%**, moet toegedien word aan skape en bokke wat nie teen bloednier (enterotoksemie) ingeënt is nie.
- Bepaal die korrekte dosis aangesien oordosering vergiftiging mag veroorsaak.
- Moet nie diere onder die ouderdom van 6 weke behandel nie.
- Moet nie diere meer gereeld as elke 3 weke behandel nie.

DOSIS
Skape en bokke: 2 mℓ per 10 kg liggaamsmassa.
Beeste: 10 mℓ per 50 kg liggaamsmassa.

AANBIEDING
200 mℓ, 1 ℓ, 5 ℓ en 10 ℓ

PANACUR® 4%

REG NO G0169 (Act 36/1947)

NAMIBIA REG NO V05/18.1.1/452

INDICATIONS

PANACUR® 4% is a roundworm remedy for pigs and cattle as well as a roundworm and milk tapeworm remedy for sheep and goats.

COMPOSITION

Contains 4,0 % m/m Fenbendazole.

GROUP

(2)

WARNINGS

- DO NOT SLAUGHTER ANIMALS WITHIN 7 DAYS OF LAST TREATMENT FOR HUMAN CONSUMPTION.
- Do not mix with any unspecified substance.
- Ensure that sheep are inoculated against pulpy kidney (enterotoxaemia) before dosing.

DOSAGE

Cattle, Pigs, Sheep and Goats – Roundworm:
1,25 g **PANACUR® 4%** powder per 10 kg body mass.

Sheep and Goats – Milk Tapeworm:
2,50 g **PANACUR® 4%** powder per 10 kg body mass.

PRESENTATION

1 kg

INDIKASIES

PANACUR® 4% is 'n rondewurmmiddel vir varke en beeste asook 'n rondewurm- en melklintwurmmiddel vir skape en bokke.

SAMESTELLING

Bevat 4,0 % m/m Fenbendasool.

GROEP

(2)

WAARSKUWINGS

- MOET NIE DIERE BINNE 7 DAE, NA LAASTE BEHANDELING VIR MENSLIKE VERBRUIK SLAG NIE.
- Moet nie met enige ongespesifiseerde produk meng nie.
- Immuniseer skape teen bloednier (enterotoksemie) voordat gedoseer word.

DOSIS

Beeste, Varke, Skape en Bokke – Rondewurms:
1,25 g **PANACUR® 4%** poeier per 10 kg liggaamsmassa.

Skape en Bokke – Melklintwurm:
2,50 g **PANACUR® 4%** poeier per 10 kg liggaamsmassa.

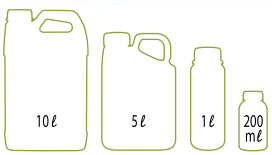
AANBIEDING

1 kg

PANACUR® BS

REG NO G1481 (Act 36/1947)

NAMIBIA REG NO V02/18.1.1/655



INDICATIONS

Anthelmintic for cattle, sheep, goats, horses and ostriches.

A roundworm and lungworm remedy for cattle, horses and ostriches. A roundworm, lungworm and milk tapeworm remedy for sheep and goats.

COMPOSITION

Contains Fenbendazole 5 % m/v.

GROUP

(2)

WARNINGS

- DO NOT SLAUGHTER ANIMALS WITHIN 7 DAYS OF LAST TREATMENT FOR HUMAN CONSUMPTION.
- Do not mix or dilute with any unspecified substance.
- Ensure that sheep are inoculated against pulpy kidney (enterotoxaemia) before dosing.

DOSAGE

Cattle: 1 mℓ per 10 kg body mass.

Horses: 1 mℓ per 5 kg body mass.

Sheep and goats: For round- and lungworm – 1 mℓ per 10 kg body mass.

For round-, lung- and milk tapeworm – 1 mℓ per 5 kg body mass.

Ostriches: 1,5 ml per 5 kg body mass.

PRESENTATION

200 mℓ, 1 ℓ, 5 ℓ and 10 ℓ

INDIKASIES

Doseermiddel vir beeste, skape, bokke, perde en volstruise.

'n Rondewurmmiddel vir beeste, perde en volstruise. 'n Ronde-, long- en melklintwurmmiddel vir skape en bokke.

SAMESTELLING

Bevat Fenbendasool 5 % m/v.

GROEP

(2)

WAARSKUWINGS

- MOET NIE DIERE BINNE 7 DAE, NA LAASTE BEHANDELING VIR MENSLIKE VERBRUIK SLAG NIE.
- Moet nie met enige ongespesifiseerde produk meng of verdun nie.
- Immuniseer skape teen bloednier (enterotoksemie) voordat gedoseer word.

DOSIS

Beeste: 1 mℓ per 10 kg liggaamsmassa.

Perde: 1 mℓ per 5 kg liggaamsmassa.

Skape en bokke: Vir ronde- en longwurm – 1 mℓ per 10 kg liggaamsmassa.

Vir ronde-, long- en melklintwurm – 1 mℓ per 5 kg liggaamsmassa.

Volstruise: 1,5 mℓ per 5 kg liggaamsmassa.

AANBIEDING

200 mℓ, 1 ℓ, 5 ℓ en 10 ℓ

PANACUR® PASTE

REG NO G3374 (Act 36/1947)
NAMIBIA REG NO V04/18.1.1/248

INDICATIONS
For the treatment of immature and mature stages of roundworms: bloodworms (large strongyles), redworms (small strongyles), ascarids, oxyurids and strongyloids of horses.

COMPOSITION
Each 1 g of paste contains 187,50 mg of Fenbendazole.

GROUP
(2)

DOSAGE
The recommended dosage is 7,5 mg Fenbendazole/kg body weight. One syringe contains sufficient paste to treat one 600 kg horse.

Diarrhoea caused by *Strongyloides westeri* in sucking foals should be treated with a dose of 50 mg Fenbendazole/kg body weight corresponding to 24 g (contents of 1 syringe) for 90 kg body weight.

PANACUR® PASTE can be used in adult horses, pregnant and lactating mares, foals and stallions.

PRESENTATION
24 gram syringes

INDIKASIES
Vir die behandeling van onvolwasse en volwasse stadia van rondewurms: bloedwurms (groot strongiele), rooiwurms (klein strongiele), spoelwurms, speldewurms en witbankrotwurm van perde.

SAMESTELLING
Elke 1 g van pasta bevat 187,50 mg Fenbendasool.

GROEP
(2)

DOSERING
Die aanbevole dosis is 7,5 mg Fenbendasool/kg liggaamsmassa. Een spuit bevat genoeg pasta om een 600 kg perd te behandel.

Diarree in suigende vullens wat deur *Strongyloides westeri* veroorsaak is, behoort met 'n dosis van 50 mg Fenbendasool/kg liggaamsmassa behandel te word. Dit korrespondeer met 24 g (inhoud van 1 spuit) vir 90 kg liggaamsmassa.

PANACUR® PASTE mag gebruik word op volwasse perde, dragtige en lakterende merries, vullens en hingste.

AANBIEDING
24 gram spuite

PANACUR® PET PASTE

REG NO G3614 (Act 36/1947)
NAMIBIA REG NO V06/18.1.1/134

TO BE USED UNDER THE RECOMMENDATION OF A VETERINARIAN

INDICATIONS
For the treatment of infections with gastrointestinal nematodes in kittens, cats, puppies and adult dogs. In dogs it can additionally be used for the treatment of infections with *Giardia* spp.

Kittens and adult cats:
Infection with the following roundworms:
Toxocara cati (adult stages).
Ancylostoma tubaeforme (immature and adult stages).

Puppies and adult dogs up to 6 kg body weight (BW):
Infection with the following nematodes:
Toxocara canis (adult stages) *Ancylostoma caninum* (adult stages) *Uncinaria stenocephala* (immature and adult stages) and for *Giardia* spp.

COMPOSITION
Each 1 g paste contains: Fenbendazole 187,5 mg

WARNINGS
Do not use in pregnant queens.

DIRECTIONS FOR USE
Adult cats: The dose is 75 mg Fenbendazole per kg body weight per day on two successive days, e.g. 2 kg BW 3 graduations of the injector daily for 2 days.

Kittens, puppies and adult dogs up to 6 kg BW:
The dose is 50 mg Fenbendazole per kg body weight per day on three successive days, e.g. 1 kg BW 1 graduation of the injector for 3 days.

PRESENTATION
1 injector containing 4,8 g paste.

GEBRUIK VOLGENS INSTRUKSIE VAN 'N VEEARTS

INDIKASIES
Vir die behandeling van gastro-intestinale nematode infeksies in katjies en volwasse katte asook in hondjies en volwasse honde. In honde kan dit ook gebruik word vir die behandeling van *Giardia* spp. infeksies.

Katjies en volwasse katte:
Infeksies met die volgende rondewurms:
Toxocara cati (volwasse stadia).
Ancylostoma tubaeforme (onvolwasse en volwasse stadia).

Hondjies en volwasse honde tot en met 6 kg liggaamsmassa (LM):
Infeksies met die volgende nematode: *Toxocara canis* (volwasse stadia) *Ancylostoma caninum* (volwasse stadia) *Uncinaria stenocephala* (onvolwasse en volwasse honde) en vir *Giardia* spp.

SAMESTELLING
Elke 1 g pasta bevat: Fenbendasool 187,5 mg

WAARSKUWINGS
Moet nie aan dragtige katte gegee word nie.

GEBRUIKSAANWYSINGS
Volwasse katte: Die dosis is 75 mg Fenbendasool per kg liggaamsmassa per dag vir 2 opeenvolgende dae, bv. 2 kg LM 3 verstellingseenhede van die inspuiting vir 2 dae.

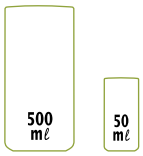
Katjies, hondjies en volwasse honde tot en met 6 kg LM:
Die dosis is 50 mg Fenbendasool per kg liggaamsmassa per dag op 3 opeenvolgende dae, bv. 1 kg LM 1 verstellingseenheid van die inspuiting vir 3 dae.

AANBIEDING
1 inspuiting bevattende 4,8 g pasta.

SOLUTION® 3,5% L.A.

REG NO G3689 (Act 36/1947)

NAMIBIA REG NO V06/18.1.2/651



INDICATIONS

SOLUTION® 3,5% L.A. is an antiparasitic remedy for cattle and sheep.

Cattle: Long residual action on internal parasites:

- Wireworm - for up to 49 days
- Brown stomach worm - for up to 56 days
- Cattle bankrupt worm - for up to 42 days
- Hookworm - for up to 56 days
- Nodular worm - for up to 56 days

Long residual action on external parasites

- Blue ticks - for up to 54 days until fully engorged females are visible agian

Sheep:

- Kills sheep scab and prevents re-infestation - for up to 56 days
- Treat sheep scab outbreak with a single injection
- Internal parasites: wireworm and bankrupt worm

COMPOSITION

SOLUTION® 3,5% L.A. contains Ivermectin 2,25 % m/v and Abamectin 1,25 % m/v.

WARNINGS

- CATTLE MUST NOT BE SLAUGHTERED FOR HUMAN CONSUMPTION WITHIN 120 DAYS OF LAST TREATMENT.
- SHEEP MUST NOT BE SLAUGHTERED FOR HUMAN CONSUMPTION WITHIN 70 DAYS OF LAST TREATMENT.
- DO NOT USE IN DAIRY CATTLE.
- Do not administer to calves less than 16 weeks of age.
- Can safely be used in lambs weighing 10 kg or more.

DOSAGE

1 mℓ per 50 kg body mass (subcutaneously).

PRESENTATION

50 mℓ, 500 mℓ and 3 x 500 mℓ Combo Pack.

INDIKASIES

SOLUTION® 3,5% L.A. is 'n antiparasitiese middel vir beeste en skape.

Beeste: Lang nawerking op interne parasiete:

- Haarwurm - tot 49 dae
- Bruinmaagwurm - tot 56 dae
- Beesbankrotwurm - tot 42 dae
- Haakwurm - tot 56 dae
- Knoppieswurm - tot 56 dae

Lang nawerking op eksterne parasiete

- Bloubosluise - tot 54 dae voordat volgesuigde bloubosluiswyfies weer gesien word.

Skape:

- Dood skaap brandsiekmyte en voorkom herbesmetting - tot 56 dae
- Beheer die uitbreek van skaapbrandsiekte met 'n enkele inspuiting
- Interne parasiete: haarwurm en bankrotwurm

SAMESTELLING

SOLUTION® 3,5% L.A. bevat Ivermektien 2,25 % m/v en Abamektien 1,25 % m/v.

WAARSKUWINGS

- BEESTE MOET NIE BINNE 120 DAE NA BEHANDELING VIR MENSLIKE GEBRUIK GESLAG WORD NIE.
- SKAPE MOET NIE BINNE 70 DAE NA BEHANDELING VIR MENSLIKE GEBRUIK GESLAG WORD NIE.
- MOET NIE IN MELKBEESTE GEBRUIK WORD NIE.
- Moet nie aan kalwers jonger as 'n ouderdom van 16 weke toedien nie.
- Is veilig om aan lammers wat 10 kg of meer weeg, toe te dien.

DOSIS

1 mℓ per 50 kg liggaamsmassa (onderhuids).

AANBIEDING

50 mℓ, 500 mℓ en 3 x 500 mℓ Kombopak.

TRI-DOSE ORAL

REG NO G3103 (Act 36/1947)

NAMIBIA REG NO V02/18.1.3/654

INDICATIONS

Liver fluke, immature conical fluke, nasalworm and roundworm remedy for sheep and goats with residual action against re-infestation of wireworm and hookworm.

COMPOSITION

Contains Closantel 5 % m/v.

GROUP

(4)

WARNINGS

- DO NOT SLAUGHTER ANIMALS WITHIN 30 DAYS OF LAST TREATMENT FOR HUMAN CONSUMPTION.
- NOT FOR USE ON MILK GOATS WHOSE MILK IS INTENDED FOR HUMAN CONSUMPTION.
- Do not administer to Angora goats before they have been weaned.

DOSAGE

Sheep and Goats:

1 mℓ per 5 kg live mass.

PRESENTATION

5 ℓ

INDIKASIES

Lewerslakmiddel, onvolwasse peervormige maagslakwurm, neuswurm en rondewurmmiddel vir skape en bokke met nawerking teen herbesmetting met haarwurm en haakwurm.

SAMESTELLING

Bevat Klosantel 5 % m/v.

GROEP

(4)

WAARSKUWINGS

- MOET NIE DIERE BINNE 30 DAE, NA LAASTE BEHANDELING VIR MENSLIKE VERBRUIK SLAG NIE.
- MOET NIE IN MELKBOKKE, WAARVAN DIE MELK VIR MENSLIKE GEBRUIK AANGEWEND WORD, GEBRUIK WORD NIE.
- Moet nie in Angora bokke gebruik, voordat hulle gespeen is nie.

DOSIS

Skape en Bokke:

1 mℓ per 5 kg lewende massa.

AANBIEDING

5 ℓ

UNI-DOSE®

REG NO G3078 (Act 36/1947)

NAMIBIA REG NO V02/18.1/770

INDICATIONS
A ready-to-use wireworm and nasal worm remedy for sheep.

COMPOSITION
Contains Trichlorfon 20 % m/v.

GROUP
(7)

WARNINGS
- DO NOT SLAUGHTER ANIMALS WITHIN 7 DAYS OF LAST TREATMENT FOR HUMAN CONSUMPTION.
- Sheep must be inoculated against pulpy kidney (enterotoxaemia) before dosing.
- Animals with severe anaemia and/or stress should be handled with great care during dosing.

DOSAGE
2,5 mℓ per 10 kg body mass.

Nooitgedacht strain – 4 mℓ per 10 kg body mass.

PRESENTATION
1 ℓ and 5 ℓ

INDIKASIES
Gereed-vir-gebruik haarwurm- en neuswurmmiddel vir skape.

SAMESTELLING
Bevat Trichloorfon 20 % m/v.

GROEP
(7)

WAARSKUWINGS:
- MOET NIE DIERE BINNE 7 DAE, NA LAASTE BEHANDELING VIR MENSLIKE VERBRUIK SLAG NIE.
- Immuniseer skape teen bloednier (enterotoksemie) voordat gedoseer word.
- Diere met erge bloedarmoede en/of stres moet versigtig hanteer word tydens dosering.

DOSIS
2,5 mℓ per 10 kg liggaamsmassa.

Nooitgedacht stam – 4 mℓ per 10 kg liggaamsmassa.

AANBIEDING
1 ℓ en 5 ℓ

NOTES / NOTAS

CATTLE DOSING GUIDE

FOR TECHNICAL ADVISORS

				ROUNDWORMS									FLUKES			TICKS
GROUP	PRODUCT NAME	REG NO. (ACT 36/1947)	ACTIVES	WIREWORM	CATTLE BANKRUPT WORM	BROWN STOMACH WORM	NODULAR WORM	HOOKWORM	LUNGWORM	*PARAFILARIA* SPP.	EYEWORM	MILK TAPEWORM	LIVER FLUKE	GIANT LIVER FLUKE	CONICAL FLUKE	TICKS
1	**SOLUTION® 3,5% LA**	G3689	Ivermectin 2,25 % m/v plus Abamectin 1,75 % m/v	● (49d)	● (42d)	● (56d)	● (56d)	● (56d)	●		●					●
1	**IVOTAN®**	G2858	Ivermectin 1% m/v	●	●	●	●	●	●	●●	●					●
1	**AVOTAN® PLUS POUR-ON**	G4216	Abamectin 1,0 % m/v Fluazuron 2,5 % m/v	●	●	●	●									● (42d)
1	**AVOTAN® POUR-ON ***	G3745	Abamectin 0,5 % m/v	●	●	●	●	●	●							●
1+2	**FLUXACUR NF**	G3202	Abamectin 0,2 % plus Triclabendazole 10 % m/v	●	●	●	●	●		●●	●		●	●		
2	**GARDAL 10%**	G3201	Ricobendazole 10 % m/v	●	●	●	●	●	●			●	●			
2	**PANACUR® BS ***	G1481	Fenbendazole 5 % m/v	●	●	●	●	●	●							
2	**PANACUR® 4% ***	G0169	Fenbendazole 4 % m/v	●	●	●	●	●								
3+4	**NEM-A-FLUKE®**	G3563	Levamisole Hydrochloride 2,5 %, Oxyclozanide 3,4 %	●	●	●	●	●	●				●	●	●	
3+4	**NEM-A-RID® 3,75%**	G3548	Levamisole Hydrochloride 3,75 % Rafoxanide 3,75 %	●	●	●	●	●					●	●		
4	**NASALCUR®**	G1831	Rafoxanide 3 % m/v	●									●	●		

* No milk withdrawal ● Controls ●● Aids in the control of

BEES DOSEERINGSGIDS

VIR TEGNIESE ADVISEURS

				RONDEWURMS									SLAKWURMS			BOS-LUISE
GROEP	PRODUK NAAM	REG NR. (WET 36/1947)	AKTIEF	HAARWURM	BEES-BANKROTWURM	BRUINMAAGWURM	KNOPPIESWURM	HAAKWURM	LONGWURM	*PARAFILARIA* SPP.	OOGWURM	MELKLINTWURM	LEWERSLAK	REUSE LEWERSLAK	PEERVORMIGE MAAGSLAK	BOSLUISE
1	**SOLUTION® 3,5% LA**	G3689	Ivermektien 2,25 % m/v plus Abamektien 1,75 % m/v	● (49 d)	● (42 d)	● (56 d)	● (56 d)	● (56 d)	●		●					●
1	**IVOTAN ®**	G2858	Ivermektien 1 % m/v	●	●	●	●	●	●	●●	●					●
1	**AVOTAN® PLUS POUR-ON**	G4216	Abamektien 1,0 % m/v Fluasuron 2,5 % m/v	●	●	●	●									● (42d)
1	**AVOTAN® POUR-ON ***	G3745	Abamektien 0,5 % m/v	●	●	●	●	●	●							●
1+2	**FLUXACUR NF**	G3202	Abamektien 0,2 % plus Triklabendasool 10 % m/v	●	●	●	●	●		●●	●		●	●		
2	**GARDAL 10%**	G3201	Rikobendasool 10 % m/v	●	●	●	●	●	●			●	●			
2	**PANACUR® BS ***	G1481	Fenbendasool 5 % m/v	●	●	●	●	●	●							
2	**PANACUR® 4% ***	G0169	Fenbendasool 4 % m/v	●	●	●	●	●								
3+4	**NEM-A-FLUKE®**	G3563	Levamisool Hidrochloried 2,5 %, plus Oksiklosanied 3,4 %	●	●	●	●	●	●				●	●	●	
3+4	**NEM-A-RID® 3,75%**	G3548	Levamisool Hidrochloried 3,75 % plus Rafoksanied 3,75 %	●	●	●	●	●					●	●		
4	**NASALCUR®**	G1831	Rafoksanied 3 % m/v	●									●	●		

* Geen melkonttrekking ● Beheer ●● Behulpsaam in die beheer van

SHEEP DOSING GUIDE

FOR TECHNICAL ADVISORS

				ROUNDWORMS										TAPEWORMS				FLUKES			MITES		
GROUP	PRODUCT NAME	REG NO. (ACT 36/ 1947)	ACTIVES	WIREWORM	BROWN STOMACH WORM	BANKRUPT WORM	LONG-NECKED BANKRUPT WORM	HOOKWORM	WHITE BANKRUPT WORM	NODULAR WORM	LARGE MOUTHED BOWEL WORM	WHIPWORM	LUNGWORM	MILK TAPEWORM	NARROW TAPEWORM	SERRATED TAPEWORM	LIVER TAPEWORM	LIVER FLUKE	GIANT LIVER FLUKE	CONICAL FLUKE	SHEEP SCAB MITE	ITCH MITE	NASAL WORM
1	**IVOTAN®**	G2858	Ivermectin 1 % m/v	●	●	●	●●	●		●	●		●								●	●	●
1+2	**FLUXACUR NF**	G3202	Abamectin 0,2 % plus Triclabendazole 10 % m/v	●	●	●	●	●	●	●	●	●	●					●	●			●	●
2	**GARDAL 10%**	G3201	Ricobendazole 10 % m/v	●	●	●	●	●		●	●		●	●				●					
2	**PANACUR® BS**	G1481	Fenbendazole 5 % m/v	●	●	●	●	●	●	●	●		●	●									
3+4	**NEM-A-FLUKE®**	G3563	Levamisole Hydrochloride 2,5 %,Oxyclozanide 3,4 % m/v	●	●	●	●	●		●	●		●					●	●	●			
3+4	**NEM-A-RID® 3,75%**	G3548	Levamisole Hydrochloride 3,75 %,Rafoxanide 3,75 % m/v	●	●	●	●	●		●	●		●●					●	●				●
4	**NASALCUR®**	G1831	Rafoxanide 3 % m/v	●														●	●				●
4	**TRI-DOSE**	G3103	Closantel 5 % m/v	●				●			●							●	●	●●			●
7	**UNI-DOSE®**	G3078	Trichlorfon 20 % m/v	●																			●●

● Controls ●● Aids in the control of

SKAAP DOSEERINGSGIDS

VIR TEGNIESE ADVISEURS

				RONDEWURMS										LINTWURMS				SLAKWURMS			MYTE		
GROEP	PRODUK NAAM	REG NR. (WET 36/ 1947)	AKTIEF	HAARWURM	BRUINMAAGWURM	BONKROTWURM	LANGNEK-BANKROTWURM	HAAKWURM	WITBANKROTWURM	KNOPPIESWURM	GROOTBEKWURM	SAMBOKWURM	LONGWURM	MELKLINTWURM	SMALLINTWURM	GERIFFELDE LINTWURM	LEWERLINTWURM	LEWERSLAK	REUSE LEWERSLAK	PEERVORMIGE MAAGSLAK	SKAAPBRANDSIEKTE	JEUKMYT	NEUSWURM
1	**IVOTAN®**	G2858	Ivermektien 1 % m/v	●	●	●	●●	●		●	●		●								●	●	●
1+2	**FLUXACUR NF**	G3202	Abamektien 0,2 % plus Triklabendasool 10 % m/v	●	●	●	●	●	●	●	●	●	●					●	●			●	●
2	**GARDAL 10%**	G3201	Rikobendasool 10 % m/v	●	●	●	●	●		●	●		●	●				●					
2	**PANACUR® BS**	G1481	Fenbendasool 5 % m/v	●	●	●	●	●	●	●	●		●	●									
3+4	**NEM-A-FLUKE®**	G3563	Levamisool Hidrochloried 2,5 %, Oksiklosanied 3,4 % m/v	●	●	●	●	●		●	●		●					●	●	●			
3+4	**NEM-A-RID® 3,75%**	G3548	Levamisool Hidrochloried 3,75 % plus Rafoksanied 3,75 % m/v	●	●	●	●	●		●	●		●●					●	●				●
4	**NASALCUR®**	G1831	Rafoksanied 3 % m/v	●														●	●				●
4	**TRI-DOSE**	G3103	Klosantel 5 % m/v	●				●			●							●	●	●●			●
7	**UNI-DOSE®**	G3078	Trichlorfon 20 % m/v	●																			●●

● Beheer ●● Behulpsaam in die beheer van

MSD Animal Health
Dung Analysis - Information Sheet

METHOD OF COLLECTION:

A representative sample of a minimum of 10 animals should be taken of a group, camp or farm where the problem is suspected
Sample to be taken from the rectum (fresh)
Put sample into plastic bag - Ziplock bag
Express all air, and place in a cooler box.
Label the sample.
Send sample with ice packs as soon as possible.
After collecting, sample must be refrigerated if not sent immediately,
- Do not freeze

NOTIFY THE RESEARCH UNIT WHEN SENDING SAMPLES TO FACILITATE COLLECTION:

Tel : (013) 792-4518 or 082 901 2859
Fax : (013) 792-4528
Cell : 083 261 5891
082 940 3437

Send to: Malalane Research Unit, P O Box 124, Malalane, 1320

Name of manager		Type of Animal :	Ovine : ☐
Postal address			Bovine : ☐
Representative			Equine : ☐
Camp Number :		Number of samples :	

REASON FOR SAMPLING	PRODUCT HISTORY	
	Date of sampling :	

Intervet South Africa (Pty) Ltd, Reg. No. 1991/006580/07
Private Bag X2026, Isando, 1600, Head Office - Tel: +27 (0) 11 923-9300
Fax: +27 (0) 11 392-3158 Sales-Fax: 086 603 1777 www.msd-animal-health.co.za

MSD Animal Health

MSD Animal Health
Blood Sampling - Liver Fluke - Information Sheet

METHOD OF COLLECTION:

A representative sample of a minimum of 10 animals should be taken of a group, camp or farm where a problem is suspected.

Number samples

Sample to be collected in red stopper (serum) tubes.
After collection, samples must be refrigerated.

Samples to be dispatched as soon as possible after collection, to reach us no later than a day after collection.

Please place on ice packs and in a cooler

NOTIFY THE RESEARCH UNIT WHEN SENDING SAMPLES TO FACILITATE COLLECTION:

Tel : (013) 792-4518 or 082 901 2859
Fax : (013) 792-4528
Cell : 083 261 5891
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Name of manager		Type of Animal :	Ovine : ☐
Postal address			Bovine : ☐
Representative			Equine : ☐
Camp Number :		Number of samples :	

REASON FOR SAMPLING	PRODUCT HISTORY	
	Date of sampling :	

NEM-A-FLUKE®
Reg. No. G3563 (Act 36/1947) | Namibia Reg. No. V95/18.1.8/46

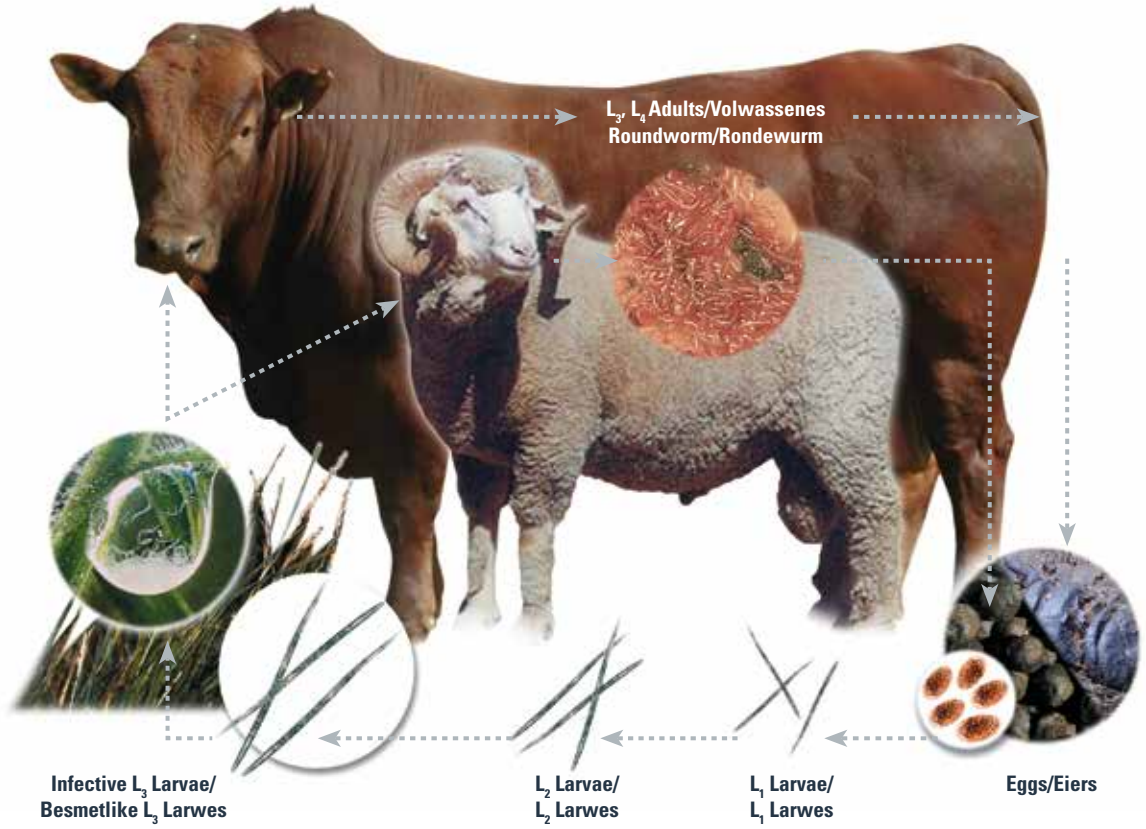
NEM-A-RID® 3,75%
Reg. No. G3548 Act (36/1947) | Namibia Reg. No. V95/18.1.8/48

Fluxacur NF
Reg. No. G3202 (Act 36/1947) | Namibia Reg. No. V03/18.1.8/679

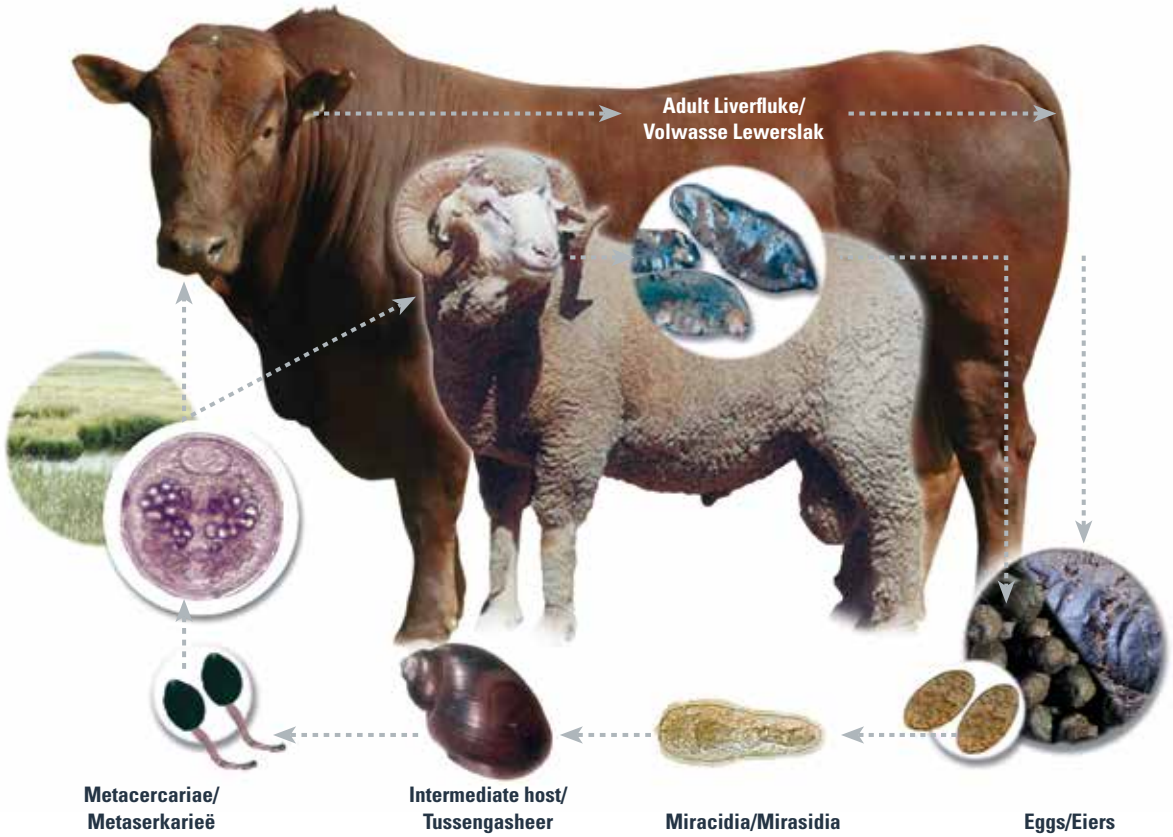
Intervet South Africa (Pty) Ltd, Reg. No. 1991/006580/07
Private Bag X2026, Isando, 1600, Head Office - Tel: +27 (0) 11 923-9300
Fax: +27 (0) 11 392-3158 Sales-Fax: 086 603 1777 www.msd-animal-health.co.za

MSD Animal Health

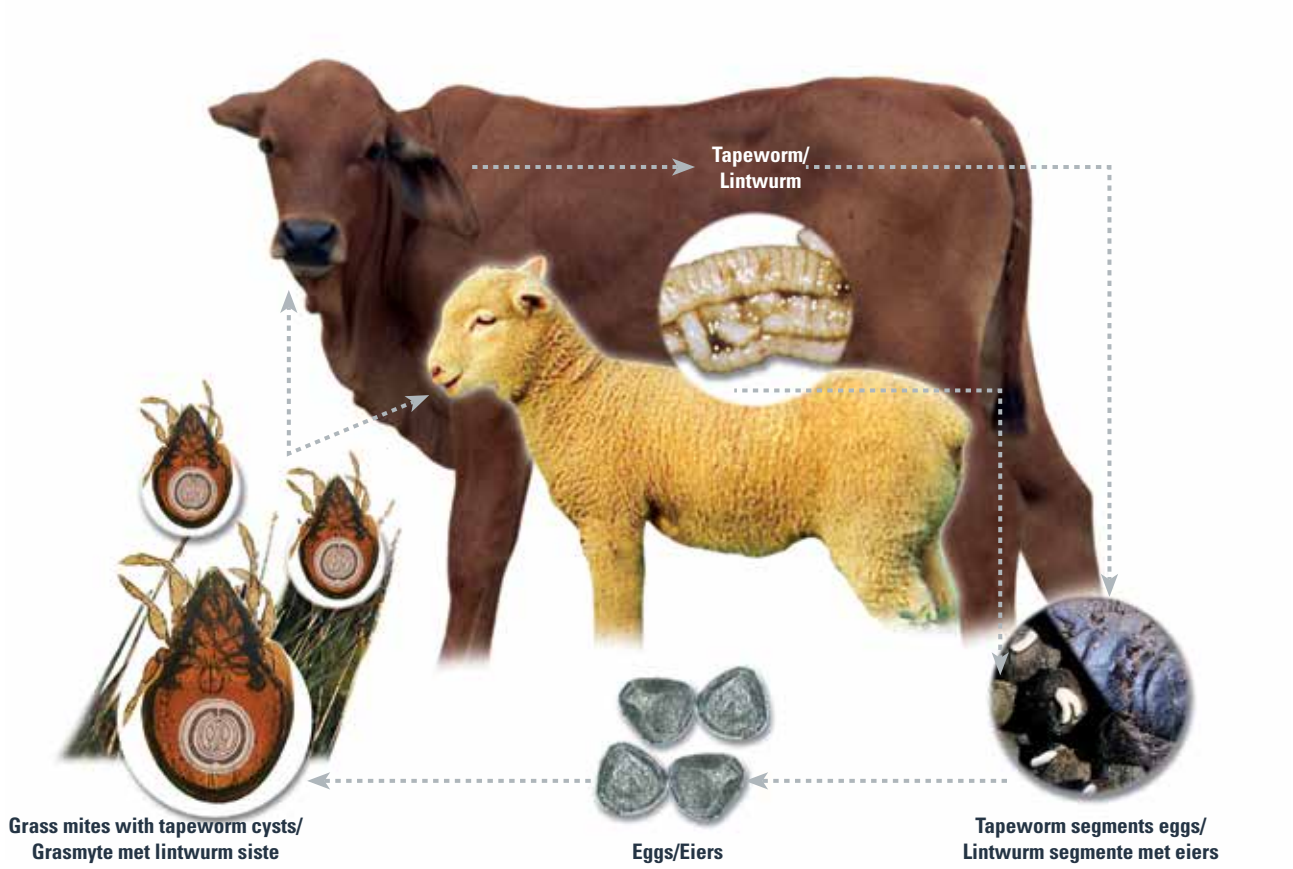
ROUNDWORM LIFE CYCLE / RONDEWURM LEWENSIKLUS



LIVER FLUKE LIFE CYCLE / LEWERSLAK LEWENSIKLUS



TAPEWORM LIFE CYCLE / LINTWURM LEWENSIKLUS



NOTES / NOTAS

Intervet South Africa (Pty) Ltd | Reg No 1991/006580/07
20 Spartan Road, Spartan, 1619, RSA | Private Bag X2026 Isando 1600
Tel: +27 (0) 11 923 9300 | Fax: +27 (0) 11 392 3158
msd-animal-health.co.za | ZA/ORUM/0417/0009

NOTES / NOTAS

NOTES / NOTAS

04

ANTIMICROBIALS / ANTIMIKROBIESE MIDDELS

DISULFOX L.A.

REG NO G3212 (Act 36/1947)

NAMIBIA REG NO V00/17.1.7/649

INDICATIONS
DISULFOX L.A. is for the treatment of footrot, navel-ill, joint-ill and pneumonia in livestock, coccidiosis and bacterial scours in calves and lambs and strangles in horses.

COMPOSITION
Sodium Sulphadimethoxine 40 % m/v

WARNINGS
DO NOT SLAUGHTER ANIMALS FOR HUMAN CONSUMPTION WITHIN 7 DAYS OF THE LAST TREATMENT.

MILK FROM TREATED COWS MUST NOT BE USED FOR HUMAN CONSUMPTION WITHIN 48 HOURS OF LAST TREATMENT.

ADMINISTRATION
Administer by subcutaneous or intravenous routes. When using the intravenous route, give the injection extremely slowly.

DOSAGE
Do not treat for more than 4 days.

Species	Initial Dose	Maintenance Dose
Cattle, Horses, Sheep, Goats, and Pigs	1-2 mℓ per 10 kg body mass	0,5-1 mℓ per 10 kg body mass

INDICATIONS PER TARGET SPECIES

Cattle, Sheep and Goats	Footrot, pneumonia, navel-ill and joint-ill.
Horses	Pneumonia, strangles, navel-ill and joint-ill.
Pigs	Pneumonia and joint-ill.
Calves and Lambs	Coccidiosis and bacterial scours.

PRESENTATION
100 mℓ

INDIKASIES
DISULFOX L.A. is vir die behandeling van vrotpootjie, naelstringsiekte, septiese gewrigsontsteking en longontsteking by vee, koksidiose en bakteriese maagwerking by kalwers en lammers en nuwesiekte (droes) by perde.

SAMESTELLING
Natriumsulfadimetoksien 40 % m/v

WAARSKUWINGS
MOET NIE DIERE BINNE 7 DAE NA DIE LAASTE BEHANDELING VIR MENSLIKE VERBRUIK SLAG NIE.

MELK VAN BEHANDELDE KOEIE MOET NIE VIR MENSLIKE VERBRUIK BINNE 48 UUR NA DIE LAASTE BEHANDELING GEBRUIK WORD NIE.

TOEDIENING
Dien toe deur onderhuidse of binneaarse inspuiting. Die binneaarse inspuiting moet baie stadig toegedien word.

DOSIS
Moet nie vir langer as 4 dae behandel nie.

Diersoort	Aanvangsdosis	Onderhoudsdosis
Beeste, Perde, Skape, Bokke en Varke	1-2 mℓ per 10 kg liggaamsmassa	0,5-1 mℓ per 10 kg liggaamsmassa

AANDUIDINGS VIR ELKE TEIKEN SPESIE

Beeste, Skape en Bokke	Vrotpootjie, longontsteking, naelstringsiekte en septiese gewrigsontsteking.
Perde	Longontsteking, nuwesiekte (droes), naelstringsiekte en septiese gewrigsontsteking.
Varke	Longontsteking en septiese gewrigsontsteking.
Kalwers en Lammers	Koksidiose en bakteriese maagwerking.

AANBIEDING
100 mℓ

ENGEMYCIN® 10%

REG NO G2470 (Act 36/1947)

NAMIBIA REG NO V98/17.1.2/668

AVAILABLE THROUGH VETS ONLY

INDICATIONS
Cattle: For the treatment of tick-borne gallsickness (anaplasmosis), heartwater, bacterial pneumonia, mastitis, bacterial enteritis, navel/joint-ill and bacterial wound infections.
Horses: For the treatment of strangles, bacterial pneumonia and enteritis.
Pigs: For the treatment of bacterial pneumonia, mastitis, bacterial enteritis, navel/joint-ill and bacterial wound infections.
Sheep and Goats: For the treatment of heartwater, bacterial pneumonia, footrot, mastitis, navel/joint-ill and bacterial wound infections.

COMPOSITION
ENGEMYCIN® 10 % is an aqueous solution containing 100 mg Oxytetracycline in a complex with magnesium and polyvinylpyrrolidone.

WARNINGS
WITHDRAWAL PERIODS:
MEAT AND OTHER ORGANS: 14 DAYS AFTER THE LAST DOSAGE.
MILK: 60 HOURS AFTER THE LAST DOSAGE.

DIRECTIONS FOR USE
- Three to five dosages are required to control bacterial infections.
- Repeat intramuscular or subcutaneous injections should be given at different sites. Not more than 20 mℓ should be given at any one site.
- Intravenous injections should be given slowly over a period of at least one minute.

DOSAGE
Cattle and Horses: 1 mℓ per 10 kg body mass intraveneous/intramuscular (10 mg per kg).
Pigs: 1 mℓ per 10 kg body mass subcutaneously/intramuscular (10 mg per kg).
Sheep and Goats: 1 mℓ per 10 kg body mass intraveneous/intramuscular (10 mg per kg).

PRESENTATION
100 mℓ and 250 mℓ

SLEGS BESKIKBAAR DEUR U VEEARTS

INDIKASIES
Beeste: Vir die behandeling van bosluisoorgedraagde galsiekte (anaplasmose), hartwater, longontsteking, mastitis, bakteriële enteritis, naelstringsiekte, gewrigsontsteking en bakteriële wondinfeksies.
Perde: Vir die behandeling van nuwesiekte (droes), longontsteking en enteritis.
Varke: Vir die behandeling van longontsteking, mastitis, bakteriële enteritis, naelstringsiekte, gewrigsontsteking en bakteriële wondinfeksies.
Skape en Bokke: Vir die behandeling van hartwater, longontsteking, vrotpootjie, mastitis, naelstringsiekte, gewrigsontsteking en bakteriële wondinfeksies.

SAMESTELLING
ENGEMYCIN® 10 % bevat 100 mg Oksitetrasiklien in 'n kompleks met magnesium en polivinielpirrolidoon.

WAARSKUWINGS
ONTTREKKINGSPERIODES:
VLEIS EN ANDER ORGANE: 14 DAE NA DIE LAASTE DOSERING.
MELK: 60 UUR NA DIE LAASTE DOSERING.

GEBRUIKSAANWYSINGS
- Drie tot vyf dosisse word benodig om bakteriële infeksie te beheer.
- Herhaalde binnespierse of onderhuidse inspuiting moet op verskillende inspuitplekke toegedien word. Nie meer as 20 mℓ mag op een plek toegedien word nie.
- Binneaarse inspuiting moet stadig oor ten minste een minuut toegedien word.

DOSIS
Beeste en Perde: 1 mℓ per 10 kg liggaamsmassa binneaars/binnespiers (10 mg per kg).
Varke: 1 mℓ per 10 kg liggaamsmassa onderhuids/binnespiers (10 mg per kg).
Skape en Bokke: 1 mℓ/10 kg liggaamsmassa binneaars/binnespiers (10 mg per kg).

AANBIEDING
100 mℓ en 250 mℓ

ENGEMYCIN® SPRAY

REG NO G2981 (Act 36/1947)

NAMIBIA REG NO V02/17.1.2/661

INDICATIONS
Treatment of topical infections such as lacerations, abrasions, gaping wounds, dermatitis and footrot caused by or associated with organisms susceptible to oxytetracycline.

COMPOSITION
Each 200 mℓ contains 5 g Oxytetracycline hydrochloride, (equivalent to 4,63 g of oxytetracycline).

DIRECTIONS FOR USE
Before treatment, thoroughly clean the affected area. Spray the product onto the affected area for 1 – 2 seconds. Repeat the treatment every 12 hours until complete recovery.

WARNING
Do not administer to animals with known hypersensitivity to tetracyclines.

PRESENTATION
200 mℓ Aerosol suspension spray can.

INDIKASIES
Vir die behandeling van oppervlakkige snywonde, skaafplekke, oopwonde, dermatitis en vrotpootjie wat veroorsaak word deur of geassosieer word met organismes sensitief vir oksitetrasiklien.

SAMESTELLING
Elke 200 mℓ bevat 5 g Oksitetrasiklien hidrochloried, (gelykstaande aan 4,63 g van oksitetrasiklien).

GEBRUIKSAANWYSING
Voor aanwending, reinig die aangetaste area. Wend sproei egalig aan op aangetaste area vir 1 – 2 sekondes. Herhaal die behandeling elke 12 ure tot volledige genesing plaasgevind het.

WAARSKUWING
Moenie op diere wat hipersensitief vir tetrasikliene is, gebruik nie.

AANBIEDING
200 mℓ Aërosol houer.

REVERIN 135

REG NO G3432 (Act 36/1947)

INDICATIONS
For the treatment of heartwater, tick-borne gallsickness (anaplasmosis), pneumonia, navel-ill, joint-ill and footrot in stock and strangles in horses.

COMPOSITION
135 mg Oxytetracycline per mℓ.

WARNINGS
- TREATED ANIMALS MUST NOT BE SLAUGHTERED FOR HUMAN CONSUMPTION WITHIN 28 DAYS OF LAST TREATMENT.
- MILK FROM TREATED COWS MUST NOT BE USED FOR HUMAN CONSUMPTION WITHIN 7 DAYS OF TREATMENT.

DOSAGE
- Administration by intramuscular, subcutaneous or intravenous injection.
- When injecting intramuscularly, inject into the muscle of the mid-neck area using a needle of not more than 30 mm in length.
- Do not inject more than 20 mℓ at one site.
- Massage the area after injection to enhance absorption and minimise swelling.
- When using the intravenous route, inject slowly and pause if any discomfort is shown.

Dosage - Normal Use:
Cattle and horses: 8 mℓ per 100 kg body weight
Sheep and goats: 4 mℓ per 50 kg body weight
Pigs: 2 mℓ per 30 kg body weight

Dosage - Long acting use:
(When a higher efficacy and longer action are required)
Cattle: 16 mℓ per 100 kg body weight
Sheep and goats: 8 mℓ per 50 kg body weight
The long acting dose must be administered by the intramuscular route only.

PRESENTATION
100 mℓ and 500 mℓ

INDIKASIES
Vir die behandeling van hartwater, bosluisoorgedraagde galsiekte (anaplasmose), longontsteking, naelstringontsteking
en septiese gewrigsontsteking by vee en nuwesiekte by perde.

SAMESTRELLING
135 mg Oksitetrasiklien per mℓ.

WAARSKUWING
- BEHANDELDE DIERE MOENIE BINNE 28 DAE NA LAASTE BEHANDELING VIR MENSLIKE VERBRUIK GESLAG WORD NIE.
- MELK VAN BEHANDELDE KOEIE MOENIE VIR MENSLIKE VERBRUIK BINNE 7 DAE NA BEHANDELING GEBRUIK WORD NIE.

DOSIS
- Binnespierse, onderhuidse of binneaarse inspuiting.
- Wanneer daar binnespiers gespuit word, moet slegs die middelnekareas gebruik word vir inspuiting met 'n naald van nie langer as 30 mm nie.
- Moet nie meer as 20 mℓ op 'n plek spuit nie.
- Masseer die inspuitingsplek om opname te bevorder en swelling te verminder.
- In die geval van binneaarse inspuiting moet die inspuiting stadig toegedien word en moet dit tydelik onderbreek word indien daar enige tekens van ongemak onstaan.

Dosis - Normale gebruik:
Beeste en perde: 8 mℓ per 100 kg liggaamsmassa
Skape en bokke: 4 mℓ per 50 kg liggaamsmassa
Varke: 2 mℓ per 30 kg liggaamsmassa

Dosis - Langwerkende gebruik:
(Wanneer 'n hoër doeltreffendheid asook 'n langer werking benodig word)
Beeste: 16 mℓ per 100 kg liggaamsmassa
Skape en bokke: 8 mℓ per 50 kg liggaamsmassa
Die langwerkende dosis mag slegs binnespiers toegedien word.

AANBIEDING
100 mℓ en 500 mℓ

BERENIL® R.T.U.

REG NO G2702 (Act 36/1947)

NAMIBIA REG NO V00/17.4.2/638

INDICATIONS

BERENIL® R.T.U. cures and prevents redwater in cattle and cures biliary fever in dogs and horses. Prevents Asiatic (European) redwater for 2 weeks and African redwater for 4 weeks.

COMPOSITION

Diminazene 0,07 g per mℓ and Phenazone 0,375 mg/mℓ.

WARNINGS

WITHDRAWAL PERIOD: MILK – NONE.

DO NOT SLAUGHTER ANIMALS FOR HUMAN CONSUMPTION WITHIN 21 DAYS OF LAST TREATMENT.

Dogs must be injected strictly according to body mass at 0,1 mℓ/2 kg. The prescribed dose should not be exceeded or repeated under any circumstances.

DIRECTIONS FOR USE

Dosage table for **cattle** and **horses**:

Body mass (kg)	Volume injection
10	0,5 mℓ
100	5,0 mℓ
200	10,0 mℓ
300	15,0 mℓ
400	20,0 mℓ
500	25,0 mℓ

Application in cattle and horses is done preferably by deep intramuscular injection. When high doses of **BERENIL® R.T.U.** are applied, it is best to apply the injections at different locations in order to avoid local pain.

Dogs: The recommended dosage is 0,1 mℓ per 2 kg body mass injected intramuscularly or subcutaneously.

PRESENTATION

20 mℓ and 100 mℓ

INDIKASIES

BERENIL® R.T.U. genees en voorkom rooiwater by beeste en genees bosluiskoors by honde en perde. Beskerm teen Asiatiese-rooiwater (Europese) vir 2 weke en teen Afrika-rooiwater vir 4 weke.

SAMESTELLING

Diminaseen 0,07 g per mℓ en Fenasoon 0,375 mg/mℓ.

WAARSKUWINGS

ONTTREKKINGSPERIODE: MELK – GEEN.

MOET NIE DIERE BINNE 21 DAE NA LAASTE BEHANDELING VIR MENSLIKE VERBRUIK SLAG NIE.

Honde moet streng volgens liggaamsmassa ingespuit word teen 0,1 mℓ/2 kg liggaamsmassa. Die voorgeskrewe dosis moet onder geen omstandighede oorskry of herhaal word nie.

GEBRUIKSAANWYSINGS

Doseringstabel vir **beeste** en **perde**:

Liggaamsmassa (kg)	Volume inspuiting
10	0,5 mℓ
100	5,0 mℓ
200	10,0 mℓ
300	15,0 mℓ
400	20,0 mℓ
500	25,0 mℓ

Toediening in beeste en perde verkieslik deur diep binnespierse inspuiting. Wanneer hoë doserings toegedien word, word dit aanbeveel dat inspuitings op verskillende plekke toegedien word om plaaslike pyn te voorkom.

Honde: Die aanbevole dosis is 0,1 mℓ per 2 kg liggaamsmassa binnespiers of onderhuids ingespuit.

AANBIEDING

20 mℓ en 100 mℓ

IMIZOL®

REG NO G0831 (Act 36/1947)

NAMIBIA REG NO V03/17.4.2/438

INDICATIONS

IMIZOL® kills redwater (babesiosis) and tick-borne gallsickness (anaplasmosis) organisms in cattle. It also prevents Asiatic redwater for up to 4 weeks and African redwater for up to 8 weeks in cattle.

COMPOSITION

Imidocarb dipropionate 12 % m/v

WARNING

WITHDRAWAL PERIOD:

MILK – 6 DAYS AFTER TREATMENT

MEAT – 213 DAYS AFTER TREATMENT

After treatment with **IMIZOL®** (2,5 mℓ/100 kg body mass) cattle cannot be effectively vaccinated against Asiatic redwater for 8 weeks and against African redwater for 16 weeks.

DIRECTIONS FOR USE

Redwater	Tick-borne gallsickness
Therapy (treatment)	Therapy (treatment)
1 mℓ/100 kg body mass once only	2,5 mℓ/100 kg body mass once only
Prophylaxis (prevention)	
2,5 mℓ/100 kg body mass once only	

ADMINISTRATION

Do not repeat the dose within 4 weeks.

Inject subcutaneously or intramusculary only (neck region).

PRESENTATION

100 mℓ bottle.

INDIKASIES

IMIZOL® dood rooiwater (babesiose) en bosluisoorgedraagde galsiekte (anaplasmose) organismes by beeste. Dit voorkom ook Asiatiese-rooiwater vir tot 4 weke en Afrika-rooiwater by beeste vir tot 8 weke.

SAMESTELLING

Imidokarb dipropionaat 12 % m/v

WAARSKUWING

ONTTREKKINGSPERIODES:

MELK – 6 DAE NA BEHANDELING

VLEIS – 213 DAE NA BEHANDELING

Na behandeling met **IMIZOL®** (2,5 mℓ/100 kg liggaamsmassa) kan beeste nie effektief teen Asiatiese- rooiwater vir 8 weke en teen Afrika-rooiwater vir 16 weke, ingeënt word nie.

GEBRUIKSAANWYSINGS

Rooiwater	Bosluisoorgedraagde galsiekte
Terapie (behandeling)	Terapie (behandeling)
1 mℓ/100 kg liggaamsmassa dien slegs eenkeer toe	2,5 mℓ/100 kg liggaamsmassa dien slegs eenkeer toe
Profilakse (voorkoming)	
2,5 mℓ/100 kg liggaamsmassa dien slegs een keer toe	

TOEDIENING

Moet nie dosis binne 4 weke herhaal nie.

Dien binnespiers of onderhuids toe (nekarea).

AANBIEDING

100 mℓ bottel.

NOTES / NOTAS

NOTES / NOTAS

Intervet South Africa (Pty) Ltd | Reg No 1991/006580/07
20 Spartan Road, Spartan, 1619, RSA | Private Bag X2026 Isando 1600
Tel: +27 (0) 11 923 9300 | Fax: +27 (0) 11 392 3158
msd-animal-health.co.za | ZA/ORUM/0417/0010

NOTES / NOTAS

NOTES / NOTAS

05

GROWTH PROMOTERS / GROEIBEVORDERAARS

REVALOR® G

REG NO G2714 (Act 36/1947)

INDICATIONS
FOR CATTLE
A slow release anabolic agent containing Trenbolone Acetate and Oestradiol which increases rate of mass gain in cattle (bulls, feeder steers and heifers).

COMPOSITION
Each pellet contains:
20 mg Trenbolone acetate and 4 mg Oestradiol.

Each implant (dose) contains:
40 mg Trenbolone Acetate and 8 mg Oestradiol (2 pellets).

WARNINGS
NOT TO BE USED IN ANIMALS INTENDED FOR SUBSEQUENT BREEDING, OR IN DAIRY ANIMALS.

- Implant pellets in the back of the ear only.
- Do not salvage the implanted site for human or animal consumption.

DOSAGE
One implant containing 40 mg Trenbolone Acetate and 8 mg Oestradiol is administered to each animal.

PRESENTATION
Contains 100 doses in ten cartridges with ten implants per cartridge.

INDIKASIES
VIR BEESTE
'n Stadig vrystellende anaboliese middel wat Trenboloonasetaat en Oestradiol bevat en wat die tempo van massatoename in beeste (bulle, osse en verse) verhoog.

SAMESTELLING
Elke pilletjie bevat:
20 mg Trenboloonasetaat en 4 mg Oestradiol.

Elke inplantaat (dosis) bevat:
40 mg Trenboloonasetaat en 8 mg Oestradiol (2 pilletjies).

WAARSKUWINGS
NIE VIR GEBRUIK IN TEELDIERE OF MELKKOEIE NIE.

- Pilletjies moet slegs aan die agterkant van die oor ingeplant word.
- Die inplantingsarea moet nie vir menslike of dierlike verbruik gebruik word nie.

DOSIS
Een inplantaat van 40 mg Trenboloonasetaat en 8 mg Oestradiol moet aan elke dier toegedien word.

AANBIEDING
Bevat tien kassette elk met 10 inplantate (100 dosisse).

REVALOR® H

REG NO G2023 (Act 36/1947)

INDICATIONS
FOR CATTLE
The product is a growth promotant with slow release of active principle which induces the increased laying down of lean meat without increasing fat deposition. There is an improvement in feed conversion and mass gain.

COMPOSITION
Each implant contains 200 mg Trenbolone Acetate and 20 mg ß Oestradiol.

WARNINGS
- DO NOT USE IN ANIMALS INTENDED FOR BREEDING PURPOSES.
- ONLY FOR USE IN HEIFERS AND STEERS IN FEEDLOTS.

DIRECTIONS FOR USE
A single implant is placed under the skin on the posterior aspect of the ear by means of a **REVALOR®** gun implanter.

PRESENTATION
Contains 100 doses in ten cartridges with ten implants per cartridge.

INDIKASIES
VIR BEESTE
Die produk is 'n groeistimulant met stadige vrystelling van die aktiewe bestanddeel wat die neerlê van maer vleis stimuleer sonder dat vetneerslag vermeerder word. Daar is 'n verbetering in die voeromset en massatoename.

SAMESTELLING
Elke inplantaat bevat 200 mg Trenboloonasetaat en 20 mg ß Oestradiol.

WAARSKUWINGS
- MOET NIE IN DIERE WAT VIR TEELDOELEINDES BESTEM IS GEBRUIK WORD NIE.
- SLEGS VIR GEBRUIK BY VERSE EN OSSE IN VOERKRALE.

GEBRUIKSAANWYSINGS
Een inplantaat word onder die vel aan die agterkant van die oor deur middel van 'n spesiale **REVALOR®** geweer inplanteerder toegedien.

AANBIEDING
Bevat tien kassette elk met 10 inplantate (100 dosisse).

REVALOR® S

REG NO G2024 (Act 36/1947)

INDICATIONS
FOR CATTLE
The product is a growth promotant with slow release of active principle which induces the increased laying down of lean meat without increasing fat deposition. There is an improvement in feed conversion. The active principle has a short half-life on release into the plasma obviating carcass residue problems.

COMPOSITION
Each implant contains 140 mg of Trenbolone Acetate and 28 mg ß Oestradiol.

WARNINGS
- DO NOT USE IN ANIMALS INTENDED FOR BREEDING PURPOSES.
- ONLY FOR USE IN BULLS, STEERS AND HEIFERS IN FEEDLOTS.

DIRECTIONS FOR USE
A single implant is placed under the skin on the posterior aspect of the ear by means of a **REVALOR®** gun implanter.

PRESENTATION
Contains 100 doses in ten cartridges with ten implants per cartridge.

INDIKASIES
VIR BEESTE
Die produk is 'n groeistimulant met stadige vrystelling van die aktiewe bestanddeel wat die neerlê van maer vleis stimuleer sonder dat vetneerslag vermeerder word. Daar is 'n verbetering in die voeromset. Die aktiewe bestanddeel het 'n kort halfleeftyd wanneer dit in die plasma vrygestel word en dit verhoed neerslae in die karkas.

SAMESTELLING
Elke inplantaat bevat 140 mg Trenboloonasetaat en 28 mg ß Oestradiol.

WAARSKUWINGS
- MOET NIE VIR DIERE WAT VIR TEELDOELEINDES BESTEM IS, GEBRUIK NIE.
- SLEGS VIR GEBRUIK BY BULLE, OSSE EN VERSE IN VOERKRALE.

GEBRUIKSAANWYSINGS
Een inplantaat word onder die vel aan die agterkant van die oor deur middel van 'n spesiale **REVALOR®** geweer inplanteerder toegedien.

AANBIEDING
Bevat tien kassette elk met 10 inplantate (100 dosisse).

REVALOR® XS

REG NO G3925 (Act 36/1947)

INDICATIONS
FOR CATTLE
The product is used to increase weight gain and improve feed efficiency for up to 200 days when administered once to steers and bulls fed in confinement for slaughter.

COMPOSITION
Each implant contains: 200 mg of Trenbolone Acetate and 40 mg 17ß Oestradiol.

WARNINGS
WITHDRAWAL PERIOD: MEAT AND OFFAL: 70 DAYS
- DO NOT USE IN ANIMALS INTENDED FOR BREEDING PUPOSES, OR IN DAIRY ANIMALS.
- ONLY FOR USE IN STEERS AND BULLS IN FEEDLOTS

DIRECTIONS FOR USE
A single implant is placed under the skin on the posterior aspect of the ear by means of a **REVALOR®** gun implanter.

PRESENTATION
Contains 100 doses in ten cartridges with ten implants per cartridge.

INDIKASIES
VIR BEESTE
Hierdie produk word gebruik vir verbeterde massatoename en voeromset vir tot 200 dae wanneer dit eenmalig toegedien word aan bulle en osse in 'n voerkraal.

SAMESTELLING
Elke inplantaat bevat: 200 mg Trenboloonasetaat en 40 mg 17ß Oestradiol.

WAARSKUWINGS
ONTTREKKINSPERIODE: VLEIS EN AFVAL: 70 DAE
- MOET NIE VIR DIERE WAT VIR TEELDOELEINDES BESTEM IS, GEBRUIK NIE OF IN MELKKOEIE NIE.
- SLEGS VIR GEBRUIK IN OSSE EN BULLE IN VOERKRALE.

GEBRUIKSAANWYSINGS
Een inplantaat word onder die vel aan die agterkant van die oor deur middel van 'n spesiale **REVALOR®** geweer inplanteerder toegedien.

AANBIEDING
Bevat 100 inplantate in 10 kassette wat elk 10 inplantate bevat.

RALGRO® CATTLE

REG NO G1406 (Act 36/1947)

INDICATIONS
Hormone-free growth stimulant for improved body mass gain and feed conversion in cattle of any age and any sex in feedlots and on good grazing plus supplementation.

Replacement heifers should be implanted between 1 to 7 months of age.

COMPOSITION
Each pellet contains:
Zeranol 12 mg (73,8 % m/m)

Each implant contains:
Zeranol 36 mg (3 pellets)

WARNINGS
NOT TO BE USED IN BULLS INTENDED FOR BREEDING PURPOSES.

DOSAGE
36 mg (1 implant, i.e. 3 pellets) administered via the Ralogun.

PRESENTATION
Each cartridge contains 24 implants.
Each box contains 10 cartridges.
240 implants per box (10 x 24).

INDIKASIES
Hormoonvrye groeistimulant vir verbeterde spiergroei en voeromset in beeste van enige ouderdom en geslag in voerkrale en op goeie weiding met byvoeding.

Vervangingsverse moet geïnplanteer word tussen 1 tot 7 maande.

SAMESTELLING
Elke pilletjie bevat:
Zeranol 12 mg (73,8 % m/m)

Elke inplantaat bevat:
Zeranol 36 mg (3 pilletjies)

WAARSKUWINGS
MOET NIE GEBRUIK WORD IN BULLE WAT VIR TELING GEBRUIK GAAN WORD NIE.

DOSIS
36 mg (1 inplantaat, m.a.w. 3 pilletjies) toegedien met die Ralogun.

AANBIEDING
Elke kasset bevat 24 inplantate.
Elke boks bevat 10 kasette.
240 inplantate per boks (10 x 24).

RALGRO® SHEEP

REG NO G1802 (Act 36/1947)

INDICATIONS
Hormone free growth stimulant for improved body mass gain and feed conversion in sheep of any age and any sex in feedlots and on good grazing plus supplementation.

COMPOSITION
Each implant contains:
Zeranol 12 mg (73,8 % m/m)

WARNINGS
NOT TO BE USED IN SHEEP INTENDED FOR BREEDING PURPOSES.

DOSAGE
Sheep – 12 mg (1 implant, i.e. 1 pellet) administered via the Ralogun.

PRESENTATION
Each cartridge contains 24 implants.
Each box contains 10 cartridges.
240 implants per box (10 x 24)

INDIKASIES
Hormoonvrye groeistimulant vir verbeterde spiergroei en voeromset in skape van enige ouderdom en geslag in voerkrale en op goeie weiding met byvoeding.

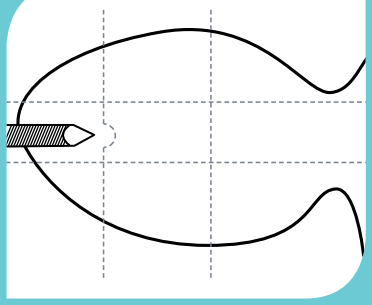
SAMESTELLING
Elke inplantaat bevat:
Zeranol 12 mg (73,8 % m/m)

WAARSKUWINGS
MOET NIE IN TEELSKAPE GEBRUIK WORD NIE.

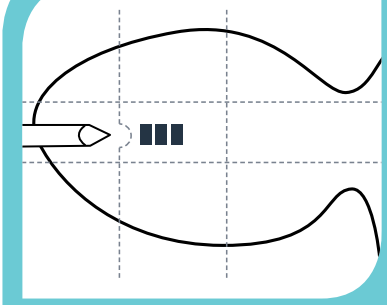
DOSIS
Skape – 12 mg (1 inplantaat, m.a.w. 1 pilletjie) toegedien met die Ralogun.

AANBIEDING
Elke kasset bevat 24 inplantate.
Elke boks bevat 10 kasette.
240 inplantate per boks (10 x 24)

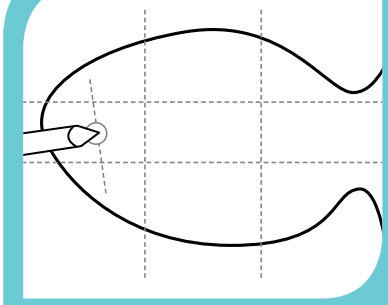
COMMON PROBLEMS WITH EAR IMPLANTING TECHNIQUES



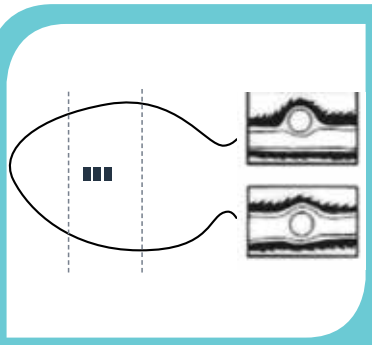
ABSCESS FORMATION
Bacterial infection of the implant site due to the use of a dirty needle.



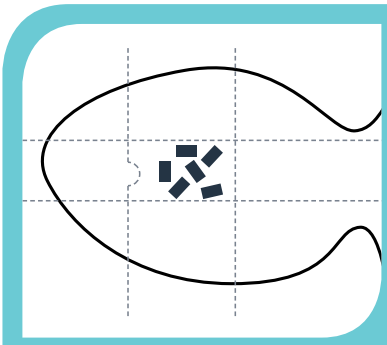
PARTIAL
Not all of the pellets implanted due to faulty technique.



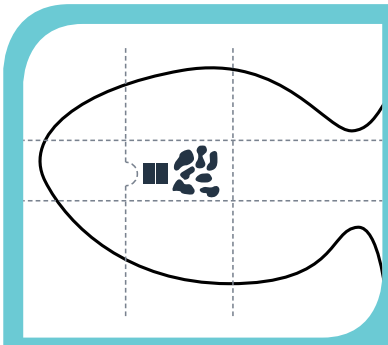
MISSING
None of the pellets were implanted.



IMPLANTED IN CARTILAGE
Pellets implanted into the cartlige of the ear due to faulty technique.



BUNCHED
Pellets are not aligned properly.

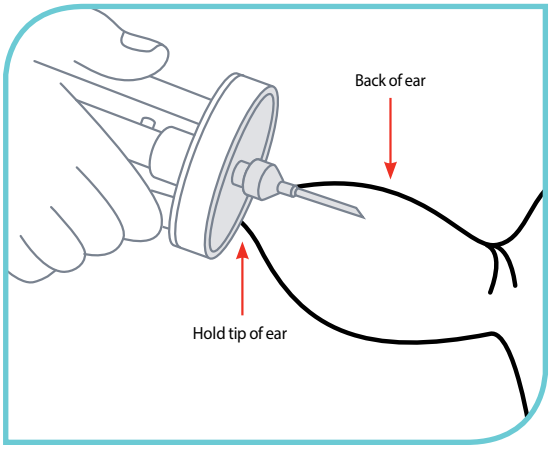


CRUSHED
The pellets were forced under the skin, probably without full needle insertion (or withdrawal).

THE SOLUTION

THE CORRECT TECHNIQUE.

Contact us about MSD Animal Health's free ear implant evaluation and training programme.



The implant is placed in the middle third of the ear, under the skin parallel to the middle cartilage rib.

It should not be within a finger's width of a tag or an old implant.

The 'perfect' implant at slaughter.

ZILMAX®

REG NO G2180 (Act 36/1947)

ORIGINAL SAFE 20 YEARS ZILPATEROL

INDICATIONS
Non-steroidal growth stimulant for improved body mass gain and feed conversion in feedlot cattle. It improves the beef to fat ratio in the carcass by reducing fat deposition and increasing carcass mass.

COMPOSITION
Contains Zilpaterol 48 g/kg.

WARNINGS
- DO NOT SLAUGHTER CATTLE FOR HUMAN CONSUMPTION WITHIN 3 DAYS OF CESSATION OF TREATMENT.
- HANDLE WITH CARE. POISONOUS WHEN SWALLOWED.
- Operators handling **ZILMAX®** should wear protective clothing, gloves and a dust mask when preparing medicated feed. Wash hands thoroughly after handling the product. If accidental eye contact occurs rinse thoroughly with water.

DOSAGE AND DIRECTIONS FOR USE
USE ONLY AS DIRECTED
- Use only in feedlot cattle during the last 30-35 days in the final finishing stage prior to slaughter.
- **ZILMAX®** is not to be used in the feeding of weaners or steers in the growing phase prior to introduction into a feedlot.
- The dosage of **ZILMAX®** is 3,125 mg **ZILMAX®** /Kg/LW/Day. **ZILMAX®** (4,8 %) should be mixed into feed at a level of 125 g per metric ton, to provide 6 g of Zilpaterol per metric ton of total ration, so each animal consumes approximately 60 mg/head per day. Rations containing silage or other wet feeds should be corrected to a 90 % dry matter basis.

PRESENTATION
10 kg.

INDIKASIES
Nie-steroïede groeistimulant vir verbeterde voeromset en toename in liggaamsmassa by voerkraalbeeste. Dit verbeter die vleis tot vet verhouding in die karkas deur vetneerlegging te verminder en karkasmassa te vermeerder.

SAMESTELLING
Bevat Zilpaterol 48 g/kg.

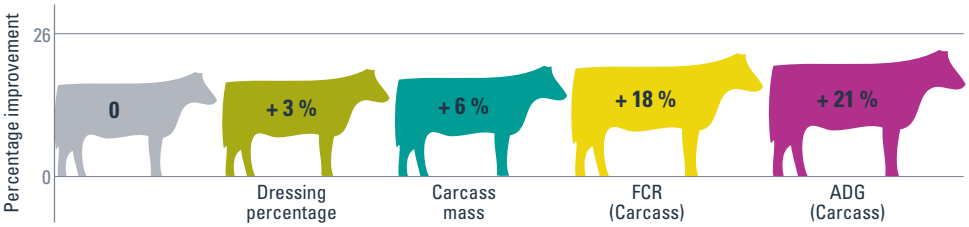
WAARSKUWINGS
- MOET NIE BEESTE SLAG VIR MENSLIKE GEBRUIK BINNE 3 DAE NADAT BEHANDELING GESTAAK IS NIE.
- HANTEER VERSIGTIG. GIFTIG WANNEER INGESLUK WORD.
- Persone wat **ZILMAX®** hanteer behoort beskermende klere, handskoene en 'n stofmasker te dra wanneer die behandelde voer voorberei word. Was hande deeglik na hantering van die produk. As die produk per ongeluk in die oë beland, spoel deeglik met water.

DOSIS EN GEBRUIKSAANWYSINGS
GEBRUIK SLEGS SOOS AANGEDUI
- Gebruik slegs in voerkraalbeeste gedurende die laaste 30-35 dae in die finale afrondingsfase voor slag.
- **ZILMAX®** moet nie gebruik word vir die voer van speenkalwers of stoorosse wat in die groeifase verkeer, voordat hulle in 'n voerkraal opgeneem word nie.
- Doseer 3,125 mg **ZILMAX®**/Kg/LW/Dag. **ZILMAX®** (4,8 %) behoort in voer ingemeng te word teen 'n tempo van 125 g per metrieke ton, om 6 g Zilpaterol per metrieke ton van die totale rantsoen te voorsien, sodat elke dier 60 mg/kop per dag ontvang. Rantsoene wat kuilvoer of ander nat voer bevat, moet reggestel word tot 'n 90 % droë materiaal basis.

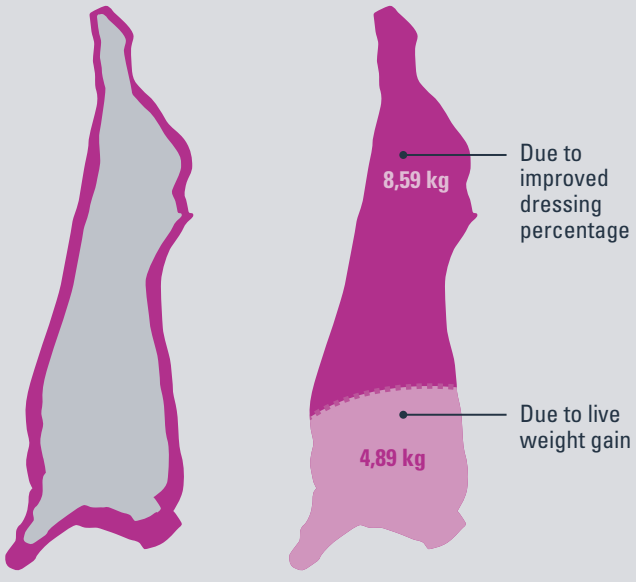
AANBIEDING
10 kg.

WHY ZILMAX®

IMPROVED GROWTH PERFORMANCE[1]



ADDITIONAL CARCASS MASS[1]



TOTAL 13,48 kg INCREASE IN WEIGHT

REFERENCES: 1. Strydom, P.E. 2001. Zilpaterol trials in South Africa. ARC (Agriculture Research Centre) – Irene.

MSD Animal Health
ZILMAX® Analysis - Information Sheet

METHOD OF COLLECTION:

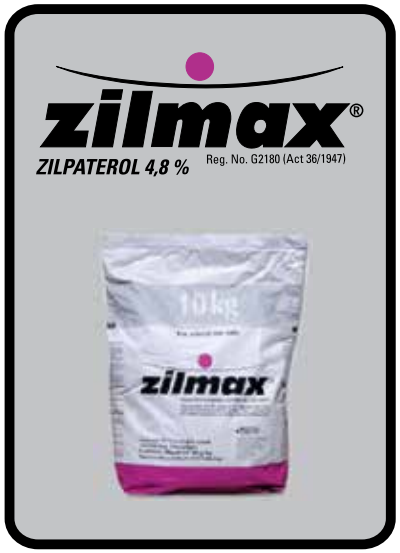
Using a metal scoop, take the sample from the main body of the feed after thoroughly mixing to ensure that sedimentation of the ZILMAX® is accounted for.
REFER to SOP
Please use a Ziplock bag for the sample.

NOTIFY THE MSD HEAD OFFICE WHEN SENDING SAMPLES TO FACILITATE COLLECTION:

Tel : (011) 923-9300
Fax : (011) 974-9320
Cell : Jay Subramoney
082 784 7546

Send to: **20 Spartan Road, Spartan, Kempton Park, 1619**

Farm Name / Client :		Number of Samples :	
Name of Manager :		Sample Type	Full Feed ☐
Postal Address :			Premix ☐
Email Address :			Liquid ☐
Representative :			Other ☐
Clients Nutritionist / VET		Expected Levels	Full Feed ☐
Routine :			Premix ☐
Suspected Problem :	☐ Yes ☐ No		Liquid ☐
Explain :			Other ☐
		OTHER :	
Retest :	☐ Yes ☐ No	Date of sampling :	



MARK EACH ZIPLOCK BAG SEPARATELY WITH THE BELOW INFORMATION.

Intervet South Africa (Pty) Ltd | Reg No 1991/006580/07
20 Spartan Road, Spartan, 1619, RSA | Private Bag X2026 Isando 1600
Tel: +27 (0) 11 923 9300 | Fax: +27 (0) 11 392 3158
msd-animal-health.co.za | ZA/ORUM/0417/0011

MSD Animal Health

NOTES / NOTAS

NOTES / NOTAS

06

SERVICES / DIENSTE

MALALANE RESEARCH UNIT / NAVORSINGSEENHEID

WE SERVE THE FARMER / ONS DIEN DIE BOER






ACCREDITATION / AKKREDITASIE

GLP - GOOD LABORATORY PRACTICE

GCP - GOOD CLINICAL PRACTICE

DIP WASH ANALYSIS / DIPMONSTERANALISE




TICK RESISTANCE TESTS / BOSLUISWEERSTANDSTOETSE

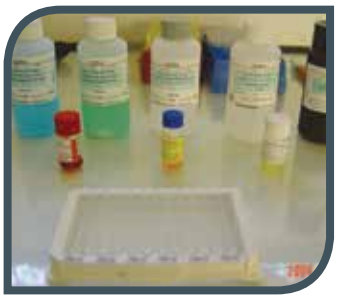



MALALANE RESEARCH UNIT / NAVORSINGSEENHEID

FAECAL EGG COUNTS / MISEIERTELLINGS



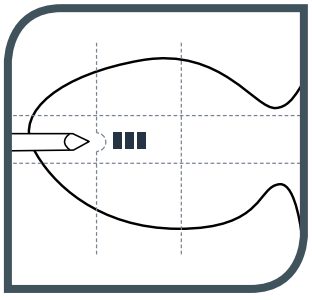

LIVER FLUKE DIAGNOSIS / LEWERSLAKWURM DIAGNOSE

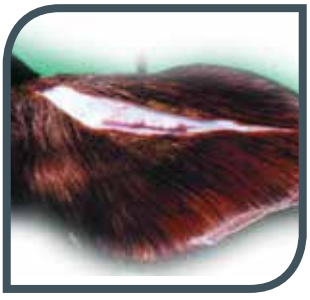



SERVICES TO FEEDLOTS / DIENSTE AAN VOERKRALE

TRANS-TRACHEAL ASPIRATE SAMPLE ANALYSIS / LONG-SPOELING MONSTERANALISE


EAR IMPLANT EVALUATIONS / OORINPLANTAAT EVALUASIE



SERVICES TO FEEDLOTS / DIENSTE AAN VOERKRALE

FEEDLOT PROCESSING MANAGEMENT

- Processing audit with audit report
- Technical training of processing teams
- Certification of training provided at feedlot

VOERKRAAL PROSESSERINGSBESTUUR

- Verwerkingsoudit met ouditverslag
- Tegniese opleiding van verwerkingspanne
- Sertifisering van opleiding by voerkraal aangebied

VACCINE AND TREATMENT MANAGEMENT

- TTA's (Trans Tracheal Aspirate) at feedlot with personal TTA report and discussion of results
- Annual TTA report to feedlots – National Report

ENTSTOF- EN BEHANDELINGSBESTUUR

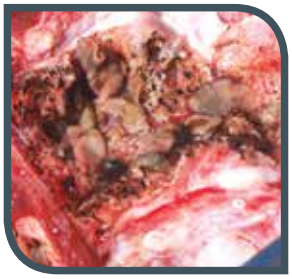
- TTA's (Trans Trageale Aspiraat) by voerkraal met persoonlike TTA-verslag en bespreking van resultate
- Jaarlikse TTA-verslag aan voerkrale – Nasionale verslag

ECTOPARASITICIDE MANAGEMENT

- Tick resistance determinations – fully engorged adult immersion test – *Boophilus* spp.
- Dip wash analysis – HPLC
- Annual report regarding tick resistance

BESTUUR VAN EKTOPARASIETMIDDELS

- Bepaling van bosluisweerstand - volgesuigde volwasse dompeltoets – *Boophilus* spp.
- Dipwas analise – HPVC
- Jaarlikse verslag aangaande bosluisweerstand



ENDOPARASITICIDES MANAGEMENT

- Endoparasite identification
- EPG's – determination of parasite challenge
- ELISA tests – liver fluke identification
- FECR test for nematodes
- Annual report regarding endoparasiticide resistance

BESTUUR VAN ENDOPARASIETMIDDELS

- Endoparasiet identifikasie
- EPG's – bepaling van parasietuitdaging
- ELISA toetse – lewerslak identifikasie
- METRED – toets vir rondewurms
- Jaarlikse verslag aangaande endoparasietweerstand

GROWTH ENHANCERS/PROMOTERS

- Implant management and training
- Implant evaluations – at feedlot/abattoir
- Report "Performance Evaluation Programme"

GROEIBEVORDERAARS

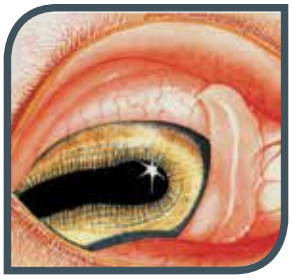
- Inplantaat bestuur
- Inplantaat evaluasie - by voerkraal/abattoir
- Verslag "Performance Evaluation Programme"

ZILMAX MANAGEMENT

- **ZILMAX®** ration inclusion level analysis
- **ZILMAX®** withdrawal ration analysis
- **ZILMAX®** quality assurance certification (ZQA)

ZILMAX BESTUUR

- **ZILMAX®** rantsoen insluitingsvlak analise
- **ZILMAX®** onttrekkingsrantsoen analise
- **ZILMAX®** kwaliteitsversekering sertifisering (ZQA)



TRAINING

- Implant training
- **ZILMAX®** training
- Malalane Research Unit visit
- Vaccine and Immunology training
- Ectoparasiticide training
- Dip management training
- Endoparasiticide training
- FAMACHA training

OPLEIDING

- Inplantaat opleiding
- **ZILMAX®** opleiding
- Malalane Navorsingseenheid besoek
- Entstof en Immunologie opleiding
- Ektoparasietmiddels opleiding
- Ektoparasietbeheer opleiding
- Endoparasietmiddels opleiding
- FAMACHA opleiding

NOTES / NOTAS

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GUIDELINES TO EFFECTIVE VACCINATION

For peace of mind purchase vaccines from an **APPROVED VACCINE DISTRIBUTOR.**

ABOUT VACCINES

- Successful disease prevention is dependant on:
  - the administration of an appropriate vaccine,
  - to the correct animal
  - at the correct time.
- An appropriate vaccine contains the correct antigens (viral or bacterial components) required to stimulate an immune response (protection) to specific diseases.
- Vaccines are sensitive products with very specific storage and handling requirements:
  - The prescribed storage temperature for most vaccines is 2 – 8 °C.
  - Freezing and temperatures above 8 °C denature vaccines resulting in vaccine failure.
- For the best advice on vaccination schedules consult your local veterinarian. Your veterinarian will provide advice on disease risk, vaccine combinations and when to vaccinate in your specific production plan to achieve the most effective protection.
- Always read the accompanying product package insert to ensure correct dosage, site and route of administration and check for warnings of potential side effects.

PURCHASING VACCINES

- Only purchase vaccines from a **reputable source**, with suitable refrigeration and controls that ensure the vaccine cold chain is maintained.
- Do not purchase **expired** product.
- **Transport** vaccine packed in a suitable insulated container with sufficient frozen icepacks to ensure that the cold chain is maintained all the way to your destination.

ON FARM STORAGE

- **Store** vaccines in a reliable refrigerator.
- **Monitor** refrigerator temperature daily using a min/max thermometer.
- Check expiry date of vaccine prior to use. Do not use **expired** product.

GUIDELINES TO EFFECTIVE VACCINATION

RECONSTITUTION OF LIVE FREEZE-DRIED VACCINES

- Transport vaccine to working area packed in a suitable **insulated container** with sufficient frozen icepacks to ensure the cold chain is maintained.
- **Reconstitution** (mixing) of live vaccines should take place in a clean **dust free** environment out of direct sunlight, immediately prior to administration.
- Use **sterile** syringes and needles to reconstitute vaccine.
- Keep reconstituted vaccine **out of direct sunlight** and on **ice**.
- Administer within **30 minutes** of reconstitution.
- Only reconstitute vaccine with diluents supplied by the manufacturer and strictly follow manufacturer's **recommendations** for reconstitution (refer to package insert).

VACCINE ADMINISTRATION

- Strictly adhere to the manufacturer's recommendations on dose, route and site of **administration**.
- Do not **mix** different vaccines, unless otherwise indicated in the package insert.
- Administer using suitable **equipment**:
  - Clean, calibrated syringe in good working order
  - Sufficient sharp sterile needles (not more than 10 animals per needle)
- Vaccine equipment is best cleaned and **disinfected** with boiling water after use and again before use. Avoid the use of disinfectant agents as they potentially have a negative effect on vaccine efficacy.

PRECAUTIONS

- Do not vaccinate **sick** animals.
- Do not vaccinate animals in **poor body condition**.
- Do not vaccinate **stressed** animals;
  - Animals within 12 hours of transportation
  - Female animals in the 3 week period post calving
- Always adhere to the manufacturer's recommendations when vaccinating young stock.

Your nearest *Approved Vaccine Distributor* is:

For peace of mind purchase vaccines from an

MSD Animal Health

Approved Vaccine Distributor

Intervet South Africa (Pty) Ltd | Reg No 1991/006580/07
20 Spartan Road, Spartan, 1619, RSA
Private Bag X2026 Isando 1600
Tel: +27 (0) 11 923 9300 | Fax: +27 (0) 11 392 3158
msd-animal-health.co.za | ZA/ORUM/0417/0012

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GESTATION PERIOD TABLE / DRAGTIGHEIDSTYDPERK TABEL

GESTATION PERIOD TABLE / DRAGTIGHEIDSTYDPERK TABEL

SERVICE DATE / DEKDATUM		MARES 340 DAYS / MERRIES 340 DAE		COWS 283 DAYS / KOEIE 283 DAE		EWES 150 DAYS / OOIE 150 DAE		CATS 66 DAYS / KATTE 66 DAE		BITCHES 63 DAYS / TEWE 63 DAE	
January	1	Desember	6	October	10	Mei	30	March	7	Maart	4
January	8	Desember	13	October	17	Junie	6	March	14	Maart	11
January	15	Desember	20	October	24	Junie	13	March	21	Maart	18
January	22	Desember	27	October	31	Junie	20	March	28	Maart	25
January	29	Januarie	3	November	7	Junie	27	April	4	April	1
February	5	Januarie	6	November	14	Julie	4	April	11	April	8
February	12	Januarie	17	November	21	Julie	11	April	18	April	15
February	19	Januarie	24	November	28	Julie	18	April	25	April	22
February	26	Januarie	31	December	5	Julie	25	May	2	April	29
March	5	Februarie	7	December	12	Augustus	1	May	9	Mei	6
March	12	Februarie	14	December	19	Augustus	8	May	17	Mei	13
March	19	Februarie	21	December	26	Augustus	15	May	23	Mei	20
March	26	Februarie	28	January	2	Augustus	22	May	30	Mei	27
April	2	Maart	7	January	9	Augustus	29	June	6	Junie	3
April	9	Maart	14	January	16	September	5	June	13	Junie	10
April	16	Maart	21	January	23	September	12	June	20	Junie	17
April	23	Maart	28	January	30	September	19	June	27	Junie	24
April	30	April	4	February	6	September	26	July	4	Julie	1
May	7	April	11	February	13	Oktober	3	July	11	Julie	8
May	14	April	18	February	20	Oktober	10	July	18	Julie	15
May	21	April	25	February	27	Oktober	17	July	25	Julie	22
May	28	Mei	2	March	6	Oktober	24	August	1	Julie	29
June	4	Mei	9	March	13	Oktober	31	August	8	Augustus	5
June	11	Mei	16	March	20	November	7	August	15	Augustus	12
June	18	Mei	23	March	27	November	14	August	22	Augustus	19
June	25	Mei	30	April	3	November	21	August	29	Augustus	26
July	2	Junie	6	April	10	November	28	September	5	September	2
July	9	Junie	13	April	17	Desember	5	September	12	September	9
July	16	Junie	20	April	24	Desember	12	September	19	September	16
July	23	Junie	27	May	1	Desember	19	September	26	September	23
July	30	Julie	4	May	8	Desember	26	October	3	September	30
August	6	Julie	11	May	15	Januarie	2	October	10	Oktober	7
August	13	Julie	18	May	22	Januarie	9	October	17	Oktober	14
August	20	Julie	25	May	29	Januarie	16	October	24	Oktober	21
August	27	Augustus	1	June	5	Januarie	23	October	31	Oktober	28
September	3	Augustus	8	June	12	Januarie	30	November	7	November	4
September	10	Augustus	15	June	19	Februarie	6	November	14	November	11
September	17	Augustus	22	June	26	Februarie	13	November	21	November	18
September	24	Augustus	29	July	3	Februarie	20	November	28	November	25
October	1	September	5	July	10	Februarie	27	December	5	Desember	2
October	8	September	12	July	17	Maart	6	December	12	Desember	9
October	15	September	19	July	24	Maart	13	December	19	Desember	16
October	22	September	26	July	31	Maart	20	December	26	Desember	23
October	29	Oktober	3	August	7	Maart	27	January	2	Desember	30
November	5	Oktober	10	August	14	April	3	January	9	Januarie	6
November	12	Oktober	17	August	21	April	10	January	16	Januarie	13
November	19	Oktober	24	August	28	April	17	January	23	Januarie	20
November	26	Oktober	31	September	4	April	24	January	30	Januarie	27
December	3	November	7	September	11	Mei	1	February	6	Februarie	3
December	10	November	14	September	18	Mei	8	February	13	Februarie	10
December	17	November	21	September	25	Mei	15	February	20	Februarie	17
December	24	November	28	October	2	Mei	22	February	27	Februarie	24
December	31	Desember	5	October	9	Mei	29	March	6	Maart	3

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