

Introducing Peroxsil: Game-Changer in Water-Based FMD Control

PRESS RELEASE

Water: The Overlooked Key in South Africa's Battle Against Foot-and-Mouth Disease

June 2025 — South Africa

As South Africa continues to battle recurring outbreaks of Foot-and-Mouth Disease (FMD), a powerful new tool has emerged to strengthen farm-level biosecurity. Independent trials conducted through the Agricultural Research Council (ARC) have confirmed that **PEROXSIL**, a silver-stabilised hydrogen peroxide disinfectant, delivers exceptional results in neutralising FMD Virus (FMDV) in contaminated livestock drinking water.

Traditionally, FMD prevention has focused on vaccination and livestock movement control. However, a growing number of experts now warn that this overlooks a key transmission route: **contaminated water**. Livestock consume large amounts of water daily, and shared troughs or tanks can quickly become viral reservoirs if exposed to infected animals.

In groundbreaking tests simulating real-world farm conditions, **PEROXSIL** demonstrated exceptional performance under high organic load—specifically 5% BSA, which is significantly more challenging than the 0.3% or lower levels typically used in disinfectant trials. Despite these harsh conditions, **PEROXSIL** achieved a $\geq 99.9999\%$ (6-log) reduction in foot-and-mouth disease virus (FMDV), even at temperatures as low as 4°C. This makes it uniquely suitable for year-round use across varied farming environments. Importantly, **PEROXSIL** remains the only disinfectant in Africa independently tested for the deactivation of FMDV in water—where the treated water remained potable for both humans and animals.

To our knowledge, no other biocide has undergone such testing with results confirming both effective viral kill and post-treatment water safety—marking a significant breakthrough in proactive livestock biosecurity.

"This changes how we think about biosecurity," says a spokesperson for the research team. "Water can now shift from being a threat to being part of the solution."

Farmers, cooperatives, and agricultural authorities are encouraged to integrate water disinfection with **PEROXSIL** into their FMD response protocols.

PERSVERKLARING

Water: as skakel in Suid-Afrika se Stryd Teen Bek-en-Klouseer is oor die hoof gesien

Junie 2025 — Suid-Afrika

Suid-Afrika se herhaaldelike uitbrekings van Bek-en-Klouseer (B&K) het die behoefte aan sterker voorkomende plaasvlak-biosekuriteit beklemtoon. Onlangse onafhanklike toetse deur die Landbounavorsingsraad (LNR) het bevestig dat **PEROXSIL** 'n silwer-gestabiliseerde waterstofperoksied, uitmuntende resultate lewer in die neutralisering van die B&K-virus in vee se drinkwater.

Voorkoming van B&K fokus tradisioneel op enting en die beheer van veeverplasing. Maar water—'n noodsaaklike maar dikwels oorgesiene faktor—is nou in die kollig. Diere drink daaglik groot volumes water, en gedeelde drinkbakke of -suipings kan vinnig 'n bron van infeksie word.

In baanbrekende toetse wat werklike plaasomstandighede nageboots het, het **PEROXSIL** uitsonderlike werkverrigting onder hoë organiese las getoon—spesifiek 5% BSA, wat aansienlik meer uitdagend is as die 0.3% of laer vlakke wat gewoonlik in ontsmettingstoetse gebruik word. Ten spyte van hierdie strawwe toestande het **PEROXSIL** 'n $\geq 99.9999\%$ (6-log) vermindering in bek-en-klouseer virus (FMDV) behaal, selfs by temperature so laag as 4°C. Dit maak dit besonder geskik vir gebruik dwarsdeur die jaar in uiteenlopende landbou-omgewings. Belangrik is dat **PEROXSIL** steeds die enigste ontsmettingsmiddel in Afrika is wat onafhanklik getoets is vir die deaktivering van FMDV in water—waar die behandelde water beide mense en dier drinkbaar gebly het..

Tot op hede is **PEROXSIL die enigste produk in Afrika wat vir die B&K-virus spesifiek in water getoets is**—'n belangrike stap in proaktiewe bioskeriteitsbestuur.

"Hierdie navorsing wys dat water nie net 'n risiko is nie, maar nou 'n beskermende rol kan speel," sê 'n woordvoerder van die navorsingspan.

Boere en landbou-owerhede word aangemoedig om **PEROXSIL** - waterbehandeling as 'n kernmaatstaf in hul B&K-planne te oorweeg.

ISAZISO SEESIDLANGA

Amanzi: Eyona ndlela ingakhangeleka yokuthintela iFMD eMzantsi Afrika

Juni 2025 — eMzantsi Afrika

Njengoko uMzantsi Afrika usaqhubeka nokulwa nokuqhambuka kwenqanaba eliphezulu le **Foot-and-Mouth Disease (FMD)**, kukho isisombululo esitsha esiza kuqinisa ukhuseleko kwinqanaba lemaplasi. Uvavanyo oluzimeleyo olwenziwe liBhunga loPhando lwezoLimo (iARC) luqinisekisele ukuba **PEROXSiL**, isichumisi esiqulathe i-hydrogen peroxide enezinziselo zesilivere, lusebenza ngokugqwesileyo ekubulaleni iFMD-virus emanzini okusela ezinkomeni.

Ukuza kuthi ga ngoku, izicwangciso zokulwa neFMD zixhomekeke kakhulu kugonyo kunye nolawulo lwentshukumo yeenkomo. Kodwa iingcali zithi oku akonelanga—**amanzi angangumthombo ongalindelekanga wosasazo lwentsholongwane**. Inkomo zisebenzisa amanzi amaninzi yonke imihla, kwaye izitya zokusela eziqhelekileyo zingasetyenziselwa ukusasaza i-virus ukuba ichaphazelekile.

Kuvavanyo olutsha olulinganisa imeko zangempela zeefama, **PEROXSiL** ibonise ukusebenza okugqwesileyo phantsi komthwalo ophezulu we-organic—ngokukodwa i-5% BSA, eyeyona inzima kakhulu xa ithelekiswa ne-0.3% okanye ngaphantsi esetyenziswa rhoqo kuvavanyo lwezibulali-zintsholongwane. Nangona le meko inzima, **PEROXSiL** iphumelele ukunciphisa i-foot-and-mouth disease virus (FMDV) nge- $\geq 99.9999\%$ (6-log), nakumaqondo obushushu aphantsi njenge-4°C. Oku kuyenza ilungele ukusetyenziswa unyaka wonke kwiindawo ezahlukeneyo zefama. Eyona nto ibalulekileyo kukuba **PEROXSiL** lusibulali-zintsholongwane **olukuphela kwalo eAfrika** oluvavanywe ngokuzimeleyo ekuthinteleni i-FMDV emanzini—kwaye amanzi aphantsi ahlala efanelekile ukusela ngabantu nakwizilwanyana.

Oku kubeka i**PEROXSiL** njengesisombululo esomeleleyo sokhuseleko lonyaka wonke.

Ngokokuqala eAfrika, esi sithambiso silingwe ngokukodwa ngokuchasene ne-FMDV emanzini—intshukumo ebalulekileyo kwindlela esijongana ngayo nezifo zezilwanyana.

“Amanzi ngoku angaba linqanaba lokhuselo, hayi ingozi kuphela,” utshilo amagosa ophando.

Amalungu eBIOSEK, abalimi, neearhente zorhulumente bayacetyiswa ukuba babandakanye ukucocwa kwamanzi ngePeroxsil kwizicwangciso zabo zokuthintela iFMD.
