

# Vectorcide Testing & Field Trials

# RESULTS



## **Years of R&D and Dedication**

---

Creating perfection for  
Mosquito control

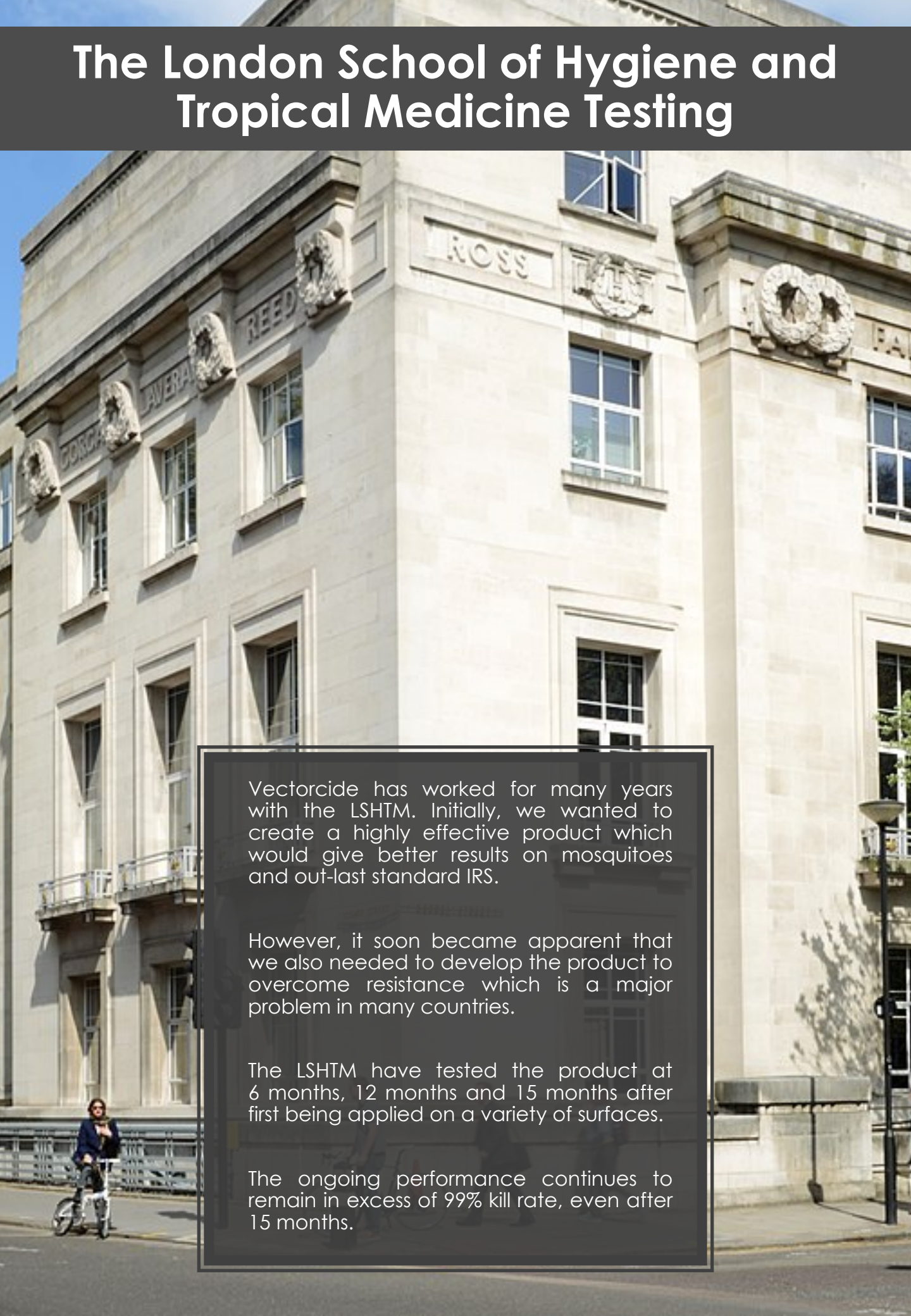


## **Years of R&D Creating Perfection**

This document serves to provide a condensed introduction to various laboratory and field trials / case studies on Vectorcide products. The following information and charts have collated methodologies and protocols to present cohesive results in a graphical format. The charts in no way replace or supersede the final reports and data produced by the relevant bodies and this is provided as a brief overview.



# The London School of Hygiene and Tropical Medicine Testing



Vectorcide has worked for many years with the LSHTM. Initially, we wanted to create a highly effective product which would give better results on mosquitoes and out-last standard IRS.

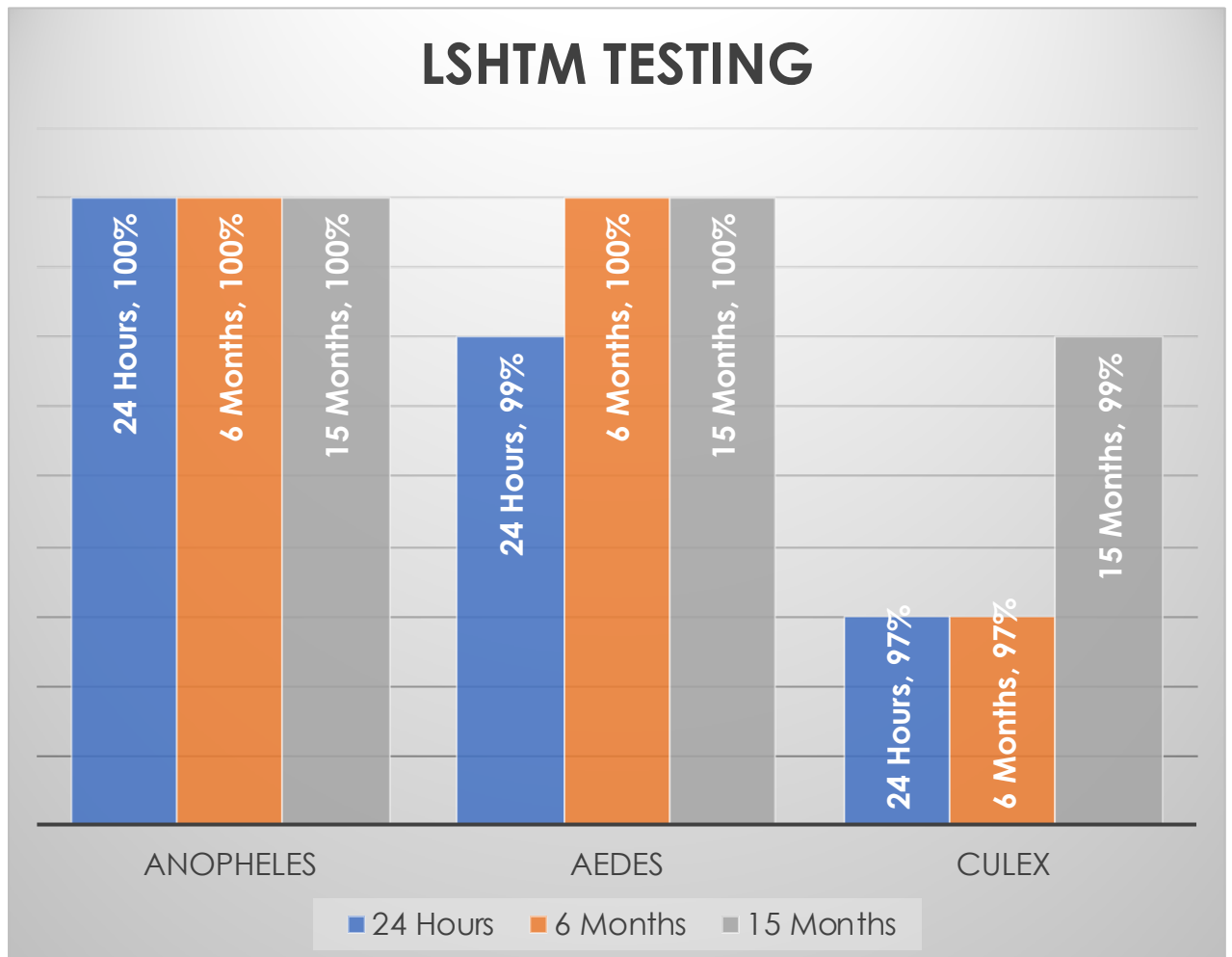
However, it soon became apparent that we also needed to develop the product to overcome resistance which is a major problem in many countries.

The LSHTM have tested the product at 6 months, 12 months and 15 months after first being applied on a variety of surfaces.

The ongoing performance continues to remain in excess of 99% kill rate, even after 15 months.

# LSHTM TESTING OVER 15 MONTHS

At 24 Hours • 6 Months • 15 Months



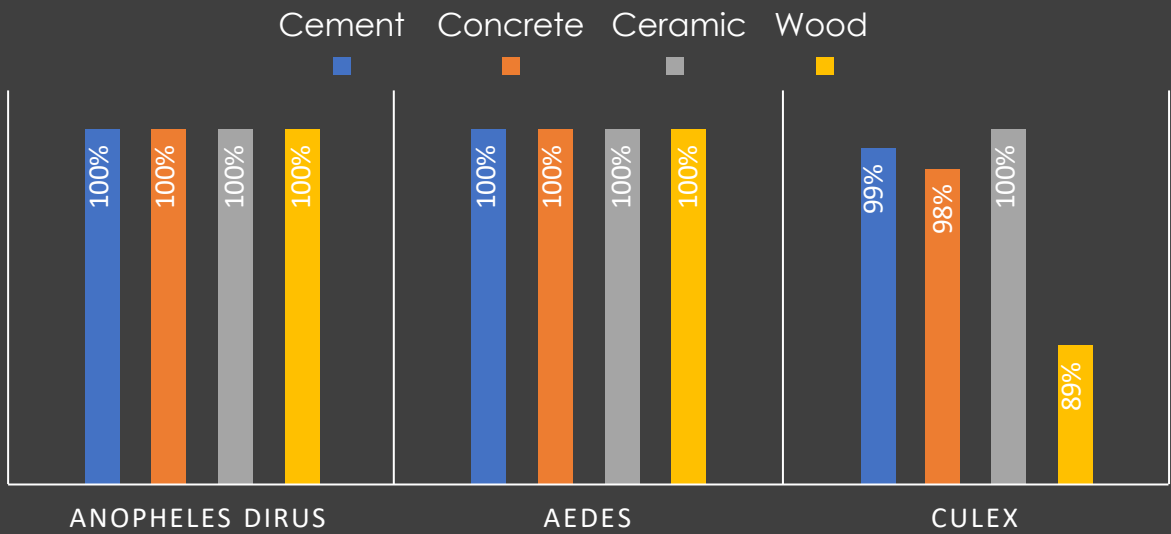


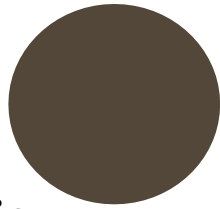
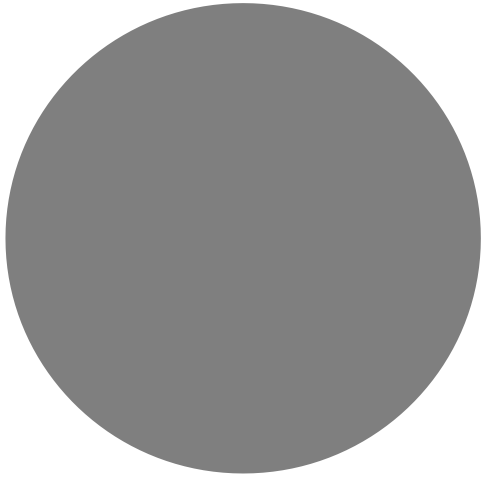


# Department of Entomology, Faculty of Tropical Medicine, Mahidol University, Thailand.

Testing in Thailand was undertaken at the Department of Entomology, Faculty of Tropical Medicine, Mahidol University. Mahidol University has its origins in the establishment of Siriraj Hospital in 1888 by His Majesty King Chulalongkorn (Rama V), and the hospital's medical school is the oldest institution of higher learning in Thailand, granting its first medical degree in 1893

## CEMENT • CONCRETE • CERAMIC • WOOD





## Vectorcide In Zambia

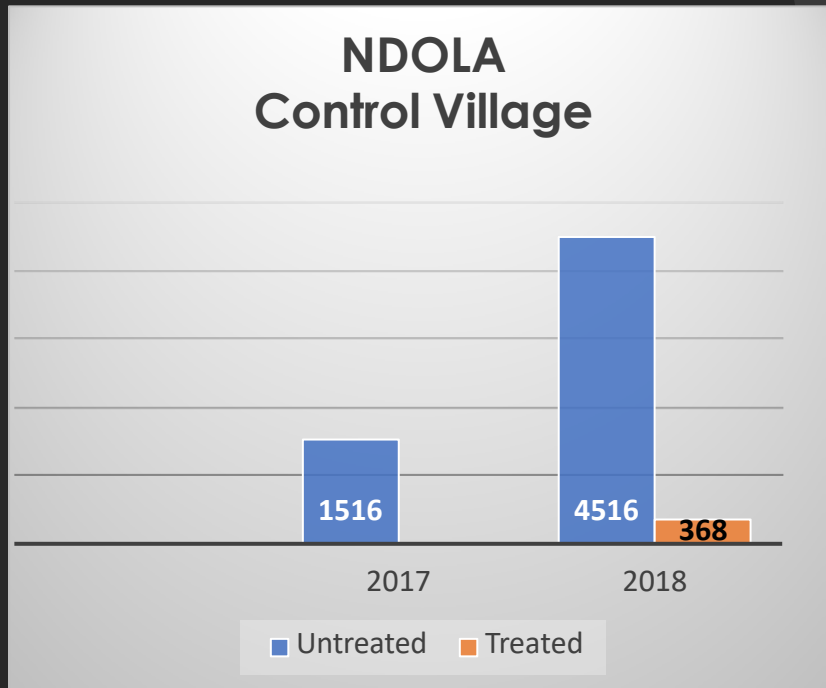
Field testing allows, over a period of time, to see tangible reductions in vector-transmitted diseases. This is the case in Zambia. Working with The Butterfly Tree Charity, the use of Vectorcide products considerably reduced the number of known malaria cases by 83.0% in an initial treated region on a year-on-year time horizon. Since then, many Vectorcide treated areas are now experiencing NO new cases of malaria.



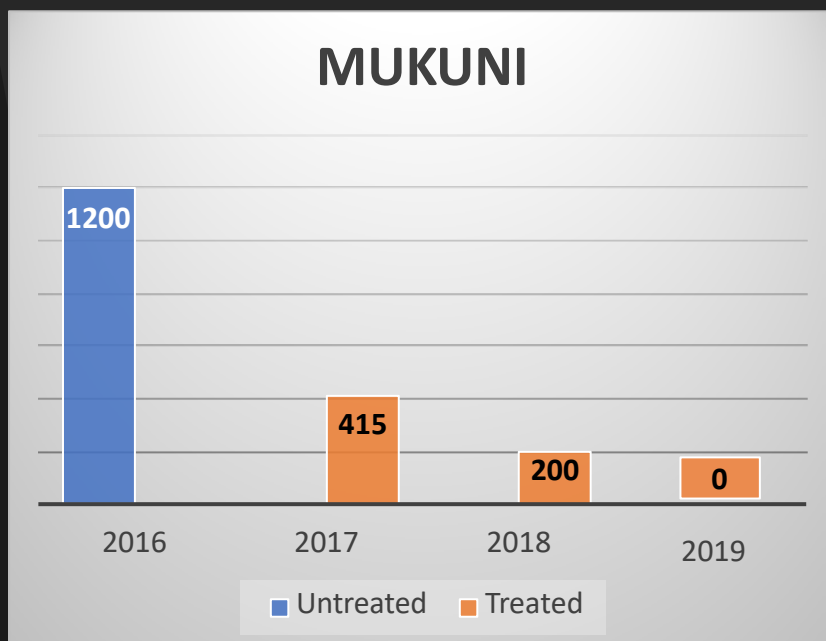
## ZAMBIA FIELD TRIALS

# ZAMBIA FIELD TRIALS – 1 & 2

NDOLA CHIEFDOM WAS THE CONTROL REGION (UNTREATED) UNTIL 2018



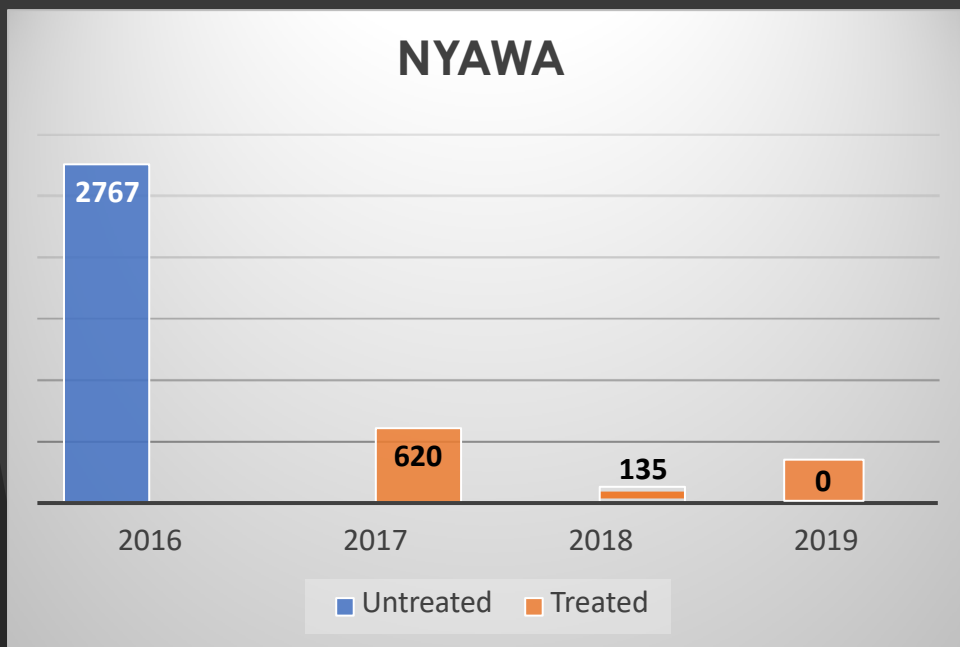
MUKUNI CHIEFDOM VECTORCIDE TREATED REGION 2017 to 2019



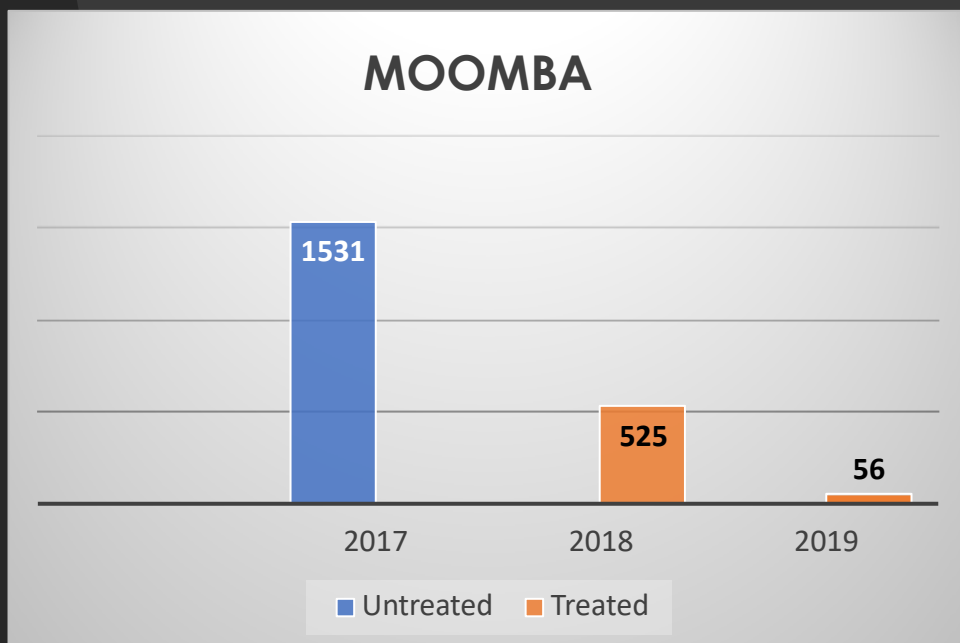


# ZAMBIA FIELD TRIALS – 3 & 4

## NYAYA CHIEFDOM VECTORCIDE TREATED 2017 to 2019



## MOOMBA CHIEFDOM VECTORCIDE TREATED 2017 to 2019



## MUKUNI FIELD TRIAL



Mukuni Chiefdom

Vectorcide Coating and Granules were applied in the Mukuni Chiefdom. A total of 740 structures were painted with the Vectorcide coating, with the addition of their health centre facilities

The Mukuni Chiefdom recorded only 200 new cases of Malaria in the Vectorcide treated district.

In the nearby similar Ndola Chiefdom which chose NOT to have Vectorcide products applied a staggering 4,516 confirmed cases of malaria were recorded in the same period.

# Nyawa Chiefdom



In 2016 there was an epidemic of malaria in Zambia with the worst area being the Nyawa region where 2,767 new cases of malaria recorded.

Working with the Ministry of Health and The Butterfly Tree Charity each dwelling was treated with VC Coating and VC Larvicide granules was applied to all water areas around the village.

In February 2019 it was announced that Nyawa region has NO new cases of malaria.



# Moomba Chiefdom



In Moomba Chiefdom, 46% of the population had malaria in 2017.

In December that year the charity started a programme to provide universal Vectorcide coverage for the entire Chiefdom

The latest statistics are;

**2017 – 1,531 new cases (pre-**

**treatment) 2018 – 525 new cases**

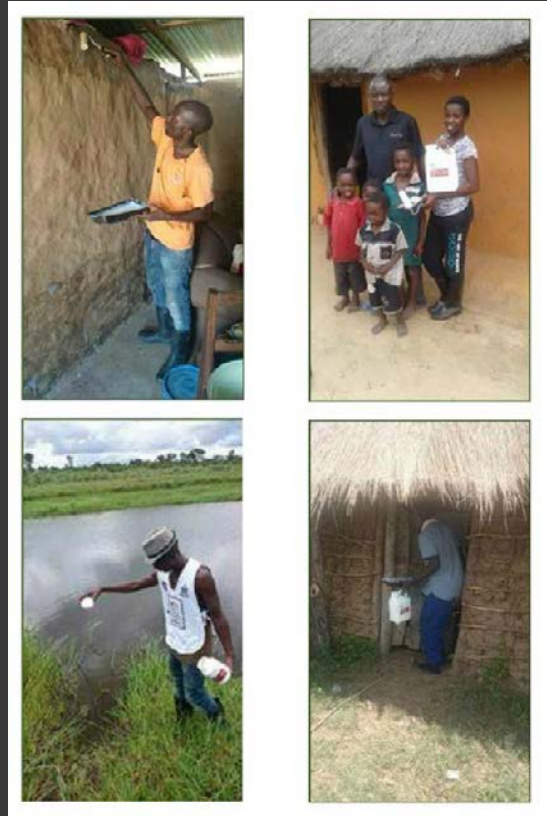
**(post treatment) 2019 – 56 new cases**

# Moomba Update

**A WHO Consultant visited Mukuni Rural Health Centre, where we started using the Vectorcide intervention in 2017**

“The WHO Consultant wanted to learn more about the success we have experienced and how a small Charity like The Butterfly Tree, has achieved so much in the field of malaria prevention”, said Jane Kaye- Bailey of The Butterfly Tree Charity.

It was explained that it was due to the intervention of applying Vectorcide Coating and Vectorcide Larvicide in addition to the existing insecticide treated bed nets.



Vectorcide is helping people have a better quality of life and is saving lives in many countries

We continue to work with The World Health Organisation with a view for Vectorcide products being given a 'Pathway' for a new solution to vector control



## Vectorcide In Pakistan

A professionally managed case study / trial began in December 2017 by our exclusive distributor for Pakistan and continues alongside commercial sales. Vectorcide Coating is being used in a variety of buildings styles and on a variety of surfaces in mosques, schools, hotels and civic buildings.



PAKISTAN  
FIELD  
TRIALS



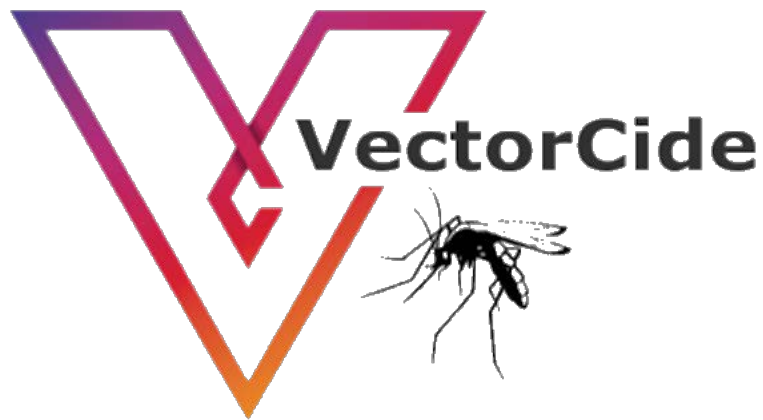
# Pakistan Field Trials



Some prestigious hotels and buildings are now virtually mosquito free, and rooms that previously had a heavy infestation of mosquitoes can now be comfortably utilised.

Chalets around a water feature were experiencing issues with guests refusing to stay in the rooms due to the mosquito population. Within 48 hours of applying VC Coating (see pictures), there was a noticeable absence of any mosquitoes as the product reduces the population. The product was also proven to reduce instances of bites.

VC Coating is proving to almost eradicate the current 'local' mosquito population. When the next generation move in, they will be subsequently dealt with in the same manner. The female mosquito's life-span is around 30 days and she will lay around 1,000 eggs in her lifetime, so there will always be new mosquitoes to be dealt with.



TECHNOLOGY  
INNOVATION  
EXCELLENCE | RESULTS

Contact:

Vectorcide International Ltd  
3 Pierrepont St, Bath. BA1 1LB. UK  
+44 7855 239 639

[office@Vectorcide.com](mailto:office@Vectorcide.com) | [www.Vectorcide.com](http://www.Vectorcide.com)

