

## K-Othrine Polyzone

This new formulation of an existing pyrethroid insecticide extends the residual impact of the insecticide and requires fewer applications, reducing malaria control program spraying costs, and minimising disruption to families.

### Technical details

K-Othrine Polyzone is a polymer enhanced suspension concentrate aqueous formulation containing 62.5g of deltamethrin per litre

### Partner

This new formulation was developed by IVCC industrial partner Bayer, who have been working with IVCC on this and other projects since 2005

### Application

K-Othrine Polyzone is used as an long lasting indoor residual spray for the treatment of houses in disease endemic countries

### Benefits over existing alternatives

- It has a longer residual effect than all other pyrethroid IRS formulations ( 12 months on concrete and wood surfaces and 8 months on mud surfaces compared with 3 months on all surfaces for alternatives)
- This longer residuality allows for fewer spray rounds in disease endemic areas and lowers the programme cost

### Features

- Broad spectrum mosquito control
- Non staining after application
- No odour
- Safe in use both for human safety and the environment
- Passes WHOPES risk assessment
- Long lasting formulation

### Registrations

- Registration dossier preparation is underway for South African and Mozambique
- Process initiated to obtain registration in India
- Product currently in operational evaluation in Mozambique, and during this year this will be extended to Angola, Madagascar and Zimbabwe
- WHOPES Recommendation achieved in September 2013

### Time to develop

Projected started Q1 2008 and VCC funding was completed by Q1 2010.

It was submitted to WHOPES Q1 2010 and finally received the recommendation in September 2013.

Initial Sales through MCDI in Bioko, Equatorial Guinea in June 2013

**K-Othrine®**  
**POLYZONE™**



**Bayer**

