

Dosage and application

Purpose and Target Pest	Gram A.I dose			Formulation dose	
	Spray deposit rate (mg a.i./m <sup>2</sup> )	Spray deposit rate (g a.i./m <sup>2</sup> )	g a.i./500 m <sup>2</sup>	Dose per 500 m <sup>2</sup> surface area	
				Formulation dose (mL)	Water volume (L)
Public health use for the control of malaria transmitting mosquitos ( <i>Anopheles culicifacies</i> )	25	0.025	12.5	125	10

TECHNOLOGY

- ▶ Advanced micro-encapsulation technology
- ▶ Excellent safety profile

FLEXIBLE

- ▶ Works on a wide range of surfaces

CONTROL

- ▶ Long-lasting residual control
- ▶ High efficacy at low use rates

PEACE OF MIND

- ▶ Indoor residual spray recommended by WHO



For more information contact your Customer Service Executive on email: [customercare.india@syngenta.com](mailto:customercare.india@syngenta.com)

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# PARTNERING TO DELIVER IMPACTFUL MOSQUITO CONTROL

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The impact of malaria on people and communities can be devastating and while improved prevention and control measures have led to a significant reduction in malaria mortality rates globally, malaria is yet to be eradicated from many countries.

At Syngenta, we believe that people around the world deserve to live their lives uninterrupted by malaria. We are committed to improving health and quality of life and have invested in developing tools to meet the challenges you face in malaria mosquito control. One of these tools is ICON® 10CS which has been specifically designed for use in indoor residual spraying and the advanced micro-encapsulated technology provides very long residual control of mosquitoes.

### ICON® 10CS for public health programs

- ▶ Delivers exceptional long-lasting residual control of mosquitoes at low dose rates.
- ▶ A flexible option for vector control and it can be used as a residual treatment on a wide range of surfaces.
- ▶ ICON® 10CS has proven efficacy in malaria control programs across Africa, Asia and Latin America.
- ▶ Recommended for use in Indoor Residual Spraying (IRS) by the World Health Organisation (WHO).
- ▶ Field trials of ICON® 10CS for IRS for malaria vector control were successfully completed by National Institute of Malaria Research in India.
- ▶ ICON® 10CS has low odour and non-staining properties which means households are accepting of the treatment.

### Technical Information

ICON® 10CS is an advanced capsule suspension (CS) formulation of the second-generation pyrethroid, lambda-cyhalothrin.

Lambda-cyhalothrin and its formulations have successfully completed the joint FAO/WHO specification scheme under new procedure:

- Lambda-cyhalothrin technical A.I: WHO Specification 463/TC (2015)
- Lambda-cyhalothrin CS: WHO Specification 463/CS (2015)

### Proven Performance

Large scale field trials in Uganda (Figure 1) and Malawi (Figure 2) demonstrate the long-lasting performance of ICON® 10CS.

As shown in the graphs, ICON® 10CS consistently provides more than 9 months residual control of *Anopheles* spp. on various typical household surfaces including mud, thatch, plaster and painted plaster.

#### Long-lasting control of *Anopheles gambiae* with ICON® 10CS in Uganda

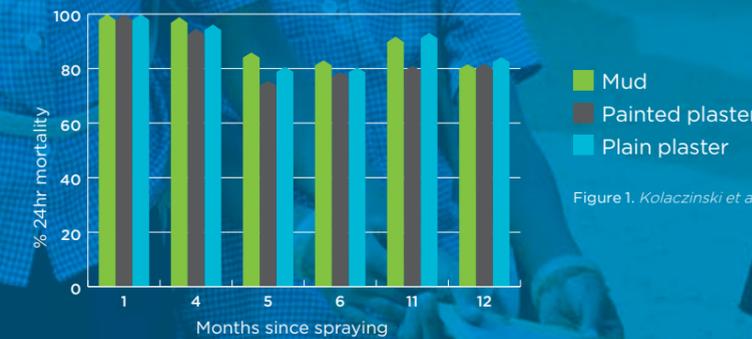


Figure 1. Kolaczinski et al, 2007

#### Long-lasting residual control of *Anopheles* spp. in Malawi

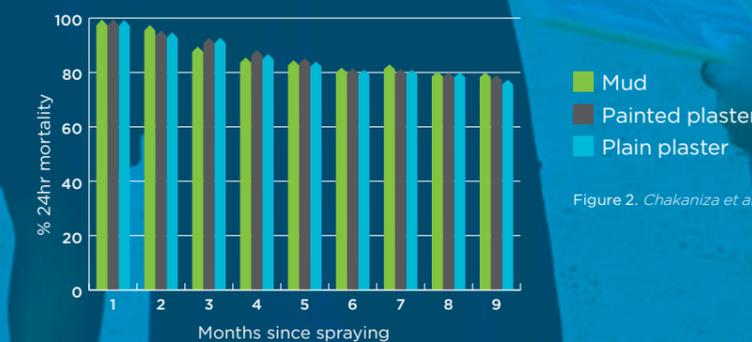


Figure 2. Chakaniza et al, 2009

### Safety Profile

- ▶ ICON® 10CS has an excellent human and environmental safety profile.
- ▶ ICON® 10CS presents no significant risk to spray operators, householders or the environment when used as directed.
- ▶ ICON® 10CS is in a low WHO hazard category (Class 3 - "unlikely to present acute hazard in normal use").

Acute oral medial lethal dose, rat (mg/kg)	>5000	Very low toxicity
Acute dermal medial lethal dose, rat (mg/kg)	>4000	No concern
Eye irritation	Mild	Very low toxicity
Skin irritation	Moderate	No concern