

WHO recommended insecticide products for treatment of mosquito nets for malaria vector control

1. Conventional treatment:

<i>INSECTICIDE</i>	<i>FORMULATION</i> ¹	<i>DOSAGE</i> ²
<i>Alpha-cypermethrin</i>	SC 10%	20-40
<i>Cyfluthrin</i>	EW 5%	50
<i>Deltamethrin</i>	SC 1% and WT 25% ³	15-25
<i>Etofenprox</i>	EW 10%	200
<i>Lambda-cyhalothrin</i>	CS 2.5%	10-15
<i>Permethrin</i>	EC 10%	200-500

2. Long-lasting treatment of polyester nets:

<i>Product name</i>	<i>Product type</i>	<i>Duration of efficacy</i>
ICON[®] MAXX	Lambda-cyhalothrin 10% CS + binder in twin-sachet pack. Target dose: 62 mg AI/m ² for family-size net (130 x 180 x 150 cm); dose range from 50 mg AI/m ² (for a large family-size net) to 83 mg AI/m ² (for a single-size net).	30–36 months

¹ EC = emulsifiable concentrate; EW = emulsion, oil in water; CS = capsule suspension; SC= suspension concentrate; WT = water dispersible tablet.

² Milligrams of active ingredient per square metre of netting.

³ Recommendation for use of K-O TAB 1-2-3[®] (WT 25% + binder) withdrawn effective September 2016.

Note: WHO recommendations on the use of pesticides in public health are valid **ONLY** if linked to WHO specifications for their quality control. WHO specifications for public health pesticides are available on the WHO homepage on the Internet at <http://www.who.int/whopes/quality/en/>.