

WHO recommended insecticides for indoor residual spraying against malaria vectors

<i>Insecticide compounds and formulations</i> ¹	<i>Class group</i> ²	<i>Dosage (g a.i./m²)</i>	<i>Mode of action</i>	<i>Duration of effective action (months)</i>
<i>DDT WP</i>	OC	1-2	contact	>6
<i>Malathion WP</i>	OP	2	contact	2–3
<i>Fenitrothion WP</i>	OP	2	contact & airborne	3–6
<i>Pirimiphos-methyl WP, EC</i>	OP	1-2	contact & airborne	2–3
<i>Pirimiphos-methyl CS</i>	OP	1	contact & airborne	4–6
<i>Bendiocarb WP, WP-SB</i>	C	0.1–0.4	contact & airborne	2–6
<i>Propoxur WP</i>	C	1–2	contact & airborne	3–6
<i>Alpha-cypermethrin WP, SC</i>	PY	0.02–0.03	contact	4–6
<i>Alpha-cypermethrin WG-SB</i>	PY	0.02–0.03	contact	up to 4
<i>Bifenthrin WP</i>	PY	0.025–0.05	contact	3–6
<i>Cyfluthrin WP</i>	PY	0.02–0.05	contact	3–6
<i>Deltamethrin SC-PE</i>	PY	0.02–0.025	contact	6
<i>Deltamethrin WP, WG, WG-SB</i>	PY	0.02–0.025	contact	3–6
<i>Etofenprox WP</i>	PY	0.1–0.3	contact	3–6
<i>Lambda-cyhalothrin WP, CS</i>	PY	0.02–0.03	contact	3–6

Chlorfenapyr 240 SC: The current assessments of Chlorfenapyr SC (class group: pyrrole) are available in the report of the 16th WHOPES Working Group meeting, 22–30 July 2013 and the report of the 17th WHOPES Working Group meeting, 15–19 September 2014 (both reports available at: <http://who.int/whopes/resources/en/>).

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/>.

¹ CS = capsule suspension; EC = emulsifiable concentrate; SC = suspension concentrate; SC-PE = polymer enhanced suspension concentrate; WG = water dispersible granules; WG-SB = water dispersible granules in sealed water soluble bags; WP = wettable powder; WP-SB = wettable powder in sealed water soluble bags.

² OC = organochlorines; OP = organophosphates; C = carbamates; PY = pyrethroids.