

WHO recommended insecticides for space spraying against mosquitoes

Compound and formulation	Indoor		Outdoor	
	(g AI/ 1000 m ³)		(g AI/ha)	
	Cold	Thermal	Cold	Thermal
	fog	fog	fog	fog
Deltamethrin UL	0.5	0.05	0.5 – 1.0	0.5 – 1.0
Deltamethrin EW	-	0.05	1	-
Lambda-cyhalothrin EC	-	-	1 - 2	2
Malathion EW and UL	-	-	112-600	112-600
Permethrin (25 cis:75 trans; 10.35% w/w) + S-bioallethrin (0.14 w/w) + piperonyl butoxide (9.85% w/w) EW	0.55 permethrin	0.73 permethrin	-	-
d-d, trans-cyphenothrin EC	0.1 - 0.2	0.2	3.5 - 4.00	3.5 - 4.0

EC = Emulsifiable concentrate; EW = emulsion, oil in water; UL = ultra-low volume (ULV) liquid

Notes:

1. Reports of the WHOPES Working Group Meetings (available at <http://www.who.int/whopes/recommendations/wgm/en/>) and the WHOPES publication *Pesticides and their application for control of vectors and pests of public health importance* (available at http://whqlibdoc.who.int/hq/2006/WHO_CDS_NTD_WHOPES_GCDPP_2006.1_eng.pdf) should be consulted for guidance on use and recommendations;
2. WHO recommendations on the use of pesticides in public health are valid **ONLY** if linked to WHO specifications for their quality control (available at <http://www.who.int/whopes/quality/newspecif/en/>).