

Appendix 2

Recommended Control Method

<i>Vectors</i>	<i>Recommended chemical control type</i>	<i>Equipment</i>	<i>Application procedure</i>	<i>Treatment Cycle</i>	<i>Precaution</i>
Cockroaches	Indoor residual spraying	Hand-operated dusters Hand-operated sprayers	Latrines, into cracks, crevices, in any wet and dark place	Monthly	Avoid contact with food, food preparation surfaces, and drinking water
Fleas	Indoor and Outdoor residual treatment	Hand-operated dusters Hand-operated sprayers	On humans and animals, bedding, floors, carpets, cracks, crevices	A single treatment should be enough to control an infestation	Avoid contact with food, food preparation surfaces, and drinking water
Non-biting flies	Outdoor and indoor residual treatment Outdoor and indoor space treatment	Hand-operated dusters Hand-operated sprayers Backpack motorised mistblowers Portable fogging machine	Refuse tips, refuse collection areas, any waste disposal, latrines Vegetation, latrines, and any resting places	Every 2 months during rainy season Every day during a period of two weeks and then once a week	 Avoid contact with food, food preparation surfaces, and drinking water
	Larvicide, IGR, or biological larvicide	Hand-operated sprayers	Latrines, dumping areas, refuse tips	Weekly	

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Blackflies (Simulium)	Larvicide	Hand-operated dusters Hand-operated sprayers Backpack motorised mistblowers Aircraft spray equipment	Rivers, streams	In areas where water temperature is low, 10-14 days after the first spray At 7-day intervals after the first treatment where the water is warm	Fish and invertebrates may be at risk, the insecticide should be degradable and should have minimal toxicity
Tabanids	Outdoor residual spraying	Hand-operated dusters Hand-operated sprayers	Refuse tips, refuse collection areas, any waste disposal, latrines	Every 2 months during rainy season.	Avoid contact with food, food preparation surfaces, and drinking water
Tabanids	Outdoor space spraying	Backpack motorised mistblowers Portable fogging machines	Vegetation, latrines, and any resting places	Every day during a period of two weeks and then once a week.	Avoid contact with food, food preparation surfaces, and drinking water
Tsetse flies	Outdoor residual spraying Outdoor space spraying	Hand-operated dusters Hand-operated sprayers Helicopter spray equipment	Riverine vegetation, forest islands, transitional vegetation, savannah	Every 2 months Every 2 months	Fish and invertebrates may be at risk Potentially harmful to the environment

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Tsetse flies	Traps	Impregnated screens Impregnated Cattle : Cattle dipped in deltamethrin are used to control tsetse populations in some areas, e.g. Zimbabwe	4 impregnated screens per km ²	Every 2-3 months	Protect the screens from children and animals
Sandflies	Indoor residual treatment Outdoor space spraying	Hand-operated dusters Hand-operated sprayers Backpack motorised mistblowers Portable fogging machines	Areas around doors and windows, stone and mud surfaces of dwellings, entrances, hallways, sleeping areas When leishmaniasis epidemic occurs, market places and where sandflies are prevalent	Retreatment after 3-6 months	Avoid contact with food, food preparation surfaces, and drinking water
Hair lice	Hair treatment	Hand-operated puff dusters	Hair, bedding	Retreatment may be required after 3-4 weeks	Avoid contact with eyes
Body lice	Body and clothing treatment	Hand-operated puff duster Lotion Hand-operated sprayers	Body, clothing, bedding, floor	Retreatment after 1-2 weeks	Avoid contact with people who have dermatology problems
Pubic lice	Body and clothing treatment	Hand-operated puff dusters	Body, clothing, bedding, floor	Retreatment at 4-7 day intervals	Avoid contact with people who have dermatology problems

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Biting mites	Outdoor residual treatment	Hand-operated sprayers Power-operated sprayers	Woodland, bush areas, around shelters and pathways	Every week for non-residual treatment	Avoid contamination of any watercourses
Scabies mites	Personal hygiene	Soap Lotion	Bedding, mattresses, sheets and clothes, infested part of the body	Retreatment after 3 days	-
Anopheline mosquitoes	Indoor residual spraying Outdoor space spraying Larvicide Individual protection	Hand-operated sprayers Backpack motorised sprayers Backpack motorised mistblowers Portable fogging machines Vehicle mounted fogging machines Hand-operated sprayers Backpack motorised sprayers Helicopter spray equipment Mosquito nets	Walls, porous mud-walls, field huts, shelter surfaces Outdoor and indoor spraying in resting places Identified breeding site (unpolluted water) Impregnation of the mosquito net with an insecticide	every 2-3 months Weekly treatment under malaria epidemic 10-14 days after the first one Every 3 to 6 months, depending upon insecticide used	Avoid contact with food, food preparation surfaces, and drinking water Avoid contact with food, food preparation surfaces, and drinking water Do not exceed the recommended dosage when the water is for drinking by humans or animals Do not exceed the recommended dosage when the water is for drinking by humans or animals

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Cyclops	Treat water body with the temephos insecticide	Hand-operated sprayers Buckets	Stagnant water pools, ponds, and other water breeding sites	Treat periodically only drinking water	Avoid overdose toxic to humans
Rodents	Rodenticides	Dusters, traps, baits	Identified rodent holes, along known pathways and hiding places of rodents	Depends on the infestation	Prevent from accidental poisoning of humans and non-targeted animals