Equipment for vector control Specification guidelines

2nd edition





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Communicable Diseases cluster Department of Control of Neglected Tropical Diseases Vector Ecology and Management



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Dr Rajpal Yadav, Vector Ecology and Management, Department of Control of Neglected Tropical Diseases, World Health Organization, Switzerland represented the WHO Secretariat.

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GLOSSARY

The definitions given below refer specifically to equipment used in vector control. For additional information, refer to the vocabulary of the International Organization for Standardization (ISO).

cold fog

A fog created by atomization of a liquid without heat.

compression sprayer

Equipment that consists of a container that can be pressurized by a pump and a means of delivering spray liquid through a hydraulic nozzle.

electric sprayer

Equipment that consists of a knapsack container and a pump powered by a rechargeable battery. It is supplied with a recharging unit.

fog (or aerosol)

A term used to indicate a space spray with droplets of $< 30 \ \mu m$ diameter (VMD), i.e. droplets with a low terminal velocity that remain airborne for as long as possible.

fog equipment or fogger

Equipment designed to produce either a cold or a thermal fog. It may have a blower to project droplets over a short distance but, due to the droplet size in a fog, dispersal is dominated by natural air movement in the atmosphere. The power of a thermal fogging equipment with a pulse-jet engine can be derived from the fuel consumption, thus 1 litre of gasoline per hour = 12.7 hp (9.37 Kw).

knapsack

Equipment that is mounted so that it is carried on the user's back and held in place by shoulder straps.

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