

SOP for Insecticide Waste Disposal

Experimental hut trials

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Purpose: Correct and safe disposal of insecticide waste products is a necessary component of any insecticide application. Insecticide waste could include expired insecticide in liquid or solid forms, sprayed surfaces or materials (protective clothes etc.) contaminated with insecticide

Definitions

IRS Indoor residual spray
SOP Standard operating procedure

Scope

It is essential to minimize the risk of unintentional pesticide contamination associated with IRS applications in experimental hut trials. Procedures must be in place to ensure that insecticide does not contaminate water table and environment. All local and institutional regulations and procedures related to insecticide waste disposal are to be adhered to.

Responsibilities

1. It is the responsibility of the Study Director and individuals handling or making insecticide applications to follow this SOP AVECNET EH 009.01 and make use of the corresponding waste log sheet.

Instructions

1. Equipment

- 1.1. Sealable plastic containers (for liquid waste)
- 1.2. Biohazard Bags
- 1.3. Autoclave Tape (or similar)
- 1.4. Labels/Marker Pens

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2. Disposal of waste insecticide

- 2.1. Good planning of experimental procedures can help minimise the production of insecticide waste
- 2.2. Liquid insecticide waste is to be held in a plastic container
- 2.3. Contaminated sprayed surfaces (on refurbishment) are to be placed in a biohazard bag
- 2.4. All waste containers and bags are then sealed with autoclave tape
- 2.5. Each container or bag is then allocated a unique identifier number and labelled with this number
- 2.6. Place the container/bag into the waste insecticide store
- 2.7. Complete the chemical waste log form FORM AVECNET EH 009.01 located in the waste store room listing the following information:
 - The unique identifier number assigned according to the chronological order that the chemical was placed in the store (container no.)
 - The date the chemical was put into waste chemical store
 - The institutional chemical code
 - The active ingredient
 - An approximate concentration
 - The total weight, including the container, or volume
 - Any hazard information (e.g. pesticide/flammable/corrosive)
 - The place of storage (which for chemicals that can be stored at room temperature will be the waste chemical cupboard)
- 2.8. The initials of the person making the entry
- 2.9. In the event that the same chemical is to be disposed of on more than one occasion (e.g. on consecutive days or weeks, as it is being used in the studies), the weight of the chemical can be left blank on the waste chemical log form. This can then be filled in at a later date, when the container is full or when the chemical is completely disposed of
- 2.10. Arrangements should be made for appropriate disposal of the waste (e.g. specialist waste contractor, incinerator etc.)

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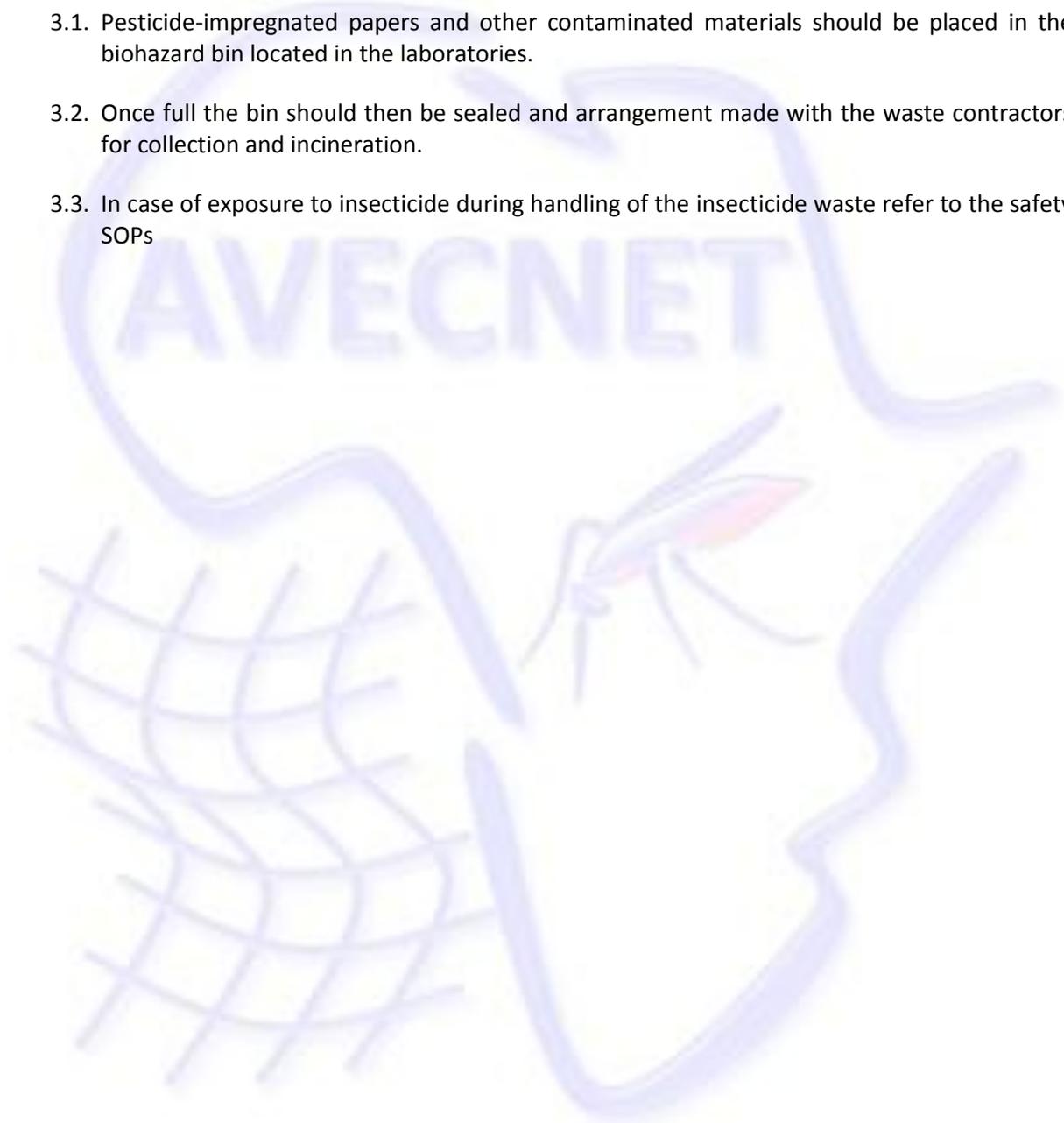
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- 2.11. Once the chemicals in the waste store have been disposed of the log sheet are to be completed with the date and means of disposal.

3. Disposal of pesticide-impregnated papers and other materials

- 3.1. Pesticide-impregnated papers and other contaminated materials should be placed in the biohazard bin located in the laboratories.
- 3.2. Once full the bin should then be sealed and arrangement made with the waste contractors for collection and incineration.
- 3.3. In case of exposure to insecticide during handling of the insecticide waste refer to the safety SOPs



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