

Safe use of Household Pesticides for Mosquito Control



Agriculture, Fisheries and Conservation Department

Household Pesticides for Mosquito Control

Mosquitoes breed in stagnant water. To have an effective control on mosquitoes, the most important thing to do is to eliminate all possible breeding sites in and around your home. In a less than perfect world, however, mosquitoes can still fly to your home elsewhere. The very obvious solution to that is to close all windows and other entry points or you may also install window and door screens to prevent their access. If for some reasons this is not always possible, you may resort to the use of pesticides for mosquito control. There are many different types of household pesticides that can be used for mosquito control; some of the commonly available ones are listed here for your reference.

**Do your part !
Eliminate mosquito
breeding sites!**



Aerosol spray

- Mainly mixtures of pyrethroid insecticides
- Contents under pressure
- Aerosolized droplets float and occupy the treated room for several minutes
- Knockdown and killing effects
- Explosion and fire hazards



Mosquito coil

- Coil mass made up of wood powder incorporated with pyrethroid insecticide
- When burned, the insecticide evaporates in gaseous form with the smoke
- Effective for a few hours
- Knockdown, killing and repelling effects
- No residual action
- Fire hazard



Use instructions

- Shake well before use
- Space spray or apply directly to the insect; spray slightly upwards and evenly with a sweeping motion
- Leave the room and re-enter after adequately ventilated

Precautionary measures

- Cover or remove food, toys, kitchen utensils, aquarium and pet cages before application
- Do not spray on humans and pets
- Do not spray near naked flame or ignition sources, hot surfaces, wall sockets and running electrical appliances
- Keep in a cool, dry place out of direct sunlight
- Do not puncture the can or open it forcibly
- Make sure the can is completely empty before disposal as domestic garbage

Use instructions

- Fix the coil to the metal stand provided
- Place the coil and stand on a heat-resistant, flat, level surface
- Light the outer end of the coil carefully until it glows out the flame
- Use with the windows slightly open

Precautionary measures

- Not suitable for use by those who are sensitive to smoke particles
- Do not burn broken segment that cannot be properly fixed to the metal stand
- Do not touch the lighting part
- Do not leave lighting coils unattended
- Do not place the lighting coil too close to body, flammable or combustible materials such as clothes, curtains, table cloth, newspaper etc.

Purchase and use only registered pesticides

If you decide to use pesticides to control mosquitoes, buy only the registered ones which are properly packed and labeled. Every registered pesticide has a registration number on its outer packaging for easy recognition.

General precautions for handling household mosquito control products:

- Read and follow label instructions
- Keep out of reach of children
- Do not store with food and drinks
- Avoid using in the presence of baby, elderly, pregnant, ill and allergic persons
- Avoid excessive use and prolonged exposure
- Do not use in small enclosed rooms or poorly ventilated areas
- Do not smoke, eat or drink when using
- Wash hands with soap and water after using
- Do not reuse empty container for any other purposes



Enquiries

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Electric vaporizer system

- Mainly pyrethroid insecticide
- Electrical heating device to evaporate the insecticides from the mat / liquid / gel
- Knockdown, killing and repelling effects
- No residual action
- Electrical and fire hazards

Mosquito mat

- Insecticide dissolved in solvent and impregnated on cardboards
- Effective for about 8-10 hours
- Temperature of heating surface is about 140°C



Mosquito liquid

- Insecticide dissolved in a solvent carrier, packed inside a glass bottle with a wick to regulate the evaporation rate
- Effective for about 45-90 days (8-10 hours per day)
- Temperature of heating surface is about 125°C



Mosquito gel

- Insecticide incorporated in a form of gel, in a shallow container, covered with a porous membrane
- Effective for about 45 days (8-10 hours per day)
- Temperature of heating surface is about 100°C



Use instructions

- Ensure the mat / bottle / gel is properly placed on the heating surface according to label instructions
- Use only the refill recommended by the manufacturer
- Use with the windows slightly open

Precautionary measures

- Ensure the voltage (220V) of the system is correct
- Do not place the device too close to body, flammable or combustible materials such as clothes, curtains, table cloth, newspaper etc.
- Do not touch the heating parts
- Do not touch the wick of the liquid vaporizer bottle
- Do not perforate the membrane of gel vaporizer
- Do not cover the device when using
- Do not touch with wet hands to prevent electric shock
- Switch off and unplug the device when not in use
- Avoid accumulation of dust and dirt on the heating surface
- Do not clean or wash the heating device with water; clean with a damp cloth only when the device is cool and unplugged

