Section su four

Suggested Mosquito solutions to Breeding







I. Suggested Mosquito breeding solutions to in construction

in construction sites

Ground puddles

- * Fill depressions.
- * Treat puddles of water with larvicidal oil or insecticides such as sand granular insecticide according to the instruction label on the insecticide used.

Working areas

- * Provide a pitched roof to the container offices.
- * Inspect canvas/plastic sheets regularly to prevent water accumulation.
- * Stop using canvas/plastic sheets to cover construction materials if possible.
- * Cover containers/receptacles with tightly-fitting lids.
- * Store containers/receptacles away from rain in covered corner/sheltered place.

Materials storage and stacking

- * Store construction materials or equipment away from rain under shelter.
- * Dispose of all unwanted materials or receptacles.

Bamboo scaffolding

- * Use metal poles instead of bamboo poles for scaffolding.
- * Seal the bamboo ends with suitable filling materials such as sand.
- * Drill holes at the end of each vertical bamboo pole.

Water storage tanks

- * Install anti-mosquito screens to water tank outlets.
- * Inspect tanks for mosquito breeding and cover properly after inspection.





II. Suggested Mosquito breeding indoors solutions to

Domestic receptacles, potted plant saucers and flower vases

- * Change water in flower vases daily or at least weekly.
- * Empty water tray below refrigerators weekly or whenever necessary.
- * Empty all water from domestic receptacles before leaving the house for a long period of time.
- * Loosen hardened soil to let water seep through.
- * Stop using saucers under flower pots if possible or drain away water immediately after watering.
- * Cover containers properly.

Lift shaft

- * Ensure that water does not get into the lift shaft during rainy days or while washing the lift lobby.
- * Pump out accumulated water from the lift trough.

Scupper drains

- * Cleanse the drains daily to prevent chokes.
- * Re-grade the channels of the drain with a steeper gradient to ensure smooth water flow.

Fire-hose compartment

- * Provide holes at the base of the compartment to allow water to drain.
- * Inspect the fire-hose compartment regularly to prevent unauthorized usage.

Travs underneath air conditioners

* Remove water in trays weekly or ensure it is properly drained away.

Pipe pan collar

* Seal pan collar gaps with cement.



III. Suggested solutions to

Mosquito breeding outdoors

Plant axils, tree holes, bamboo stumps, potted plants and fallen leaves/barks

- * Replace problematic plants with those that do not collect and hold water.
- * Drill holes at plant axils as appropriate.
- * Treat the axils with insecticides such as sand granular insecticide according to the instruction label on the insecticide used.
- * Apply larvicidal oil or pesticide to tree holes and fill depressions and bamboo stumps with suitable filling material such as sand / soil as appropriate.
- * Stop using saucers for potted plants.
- * Loosen hardened earth in pots regularly.
- * Remove fallen leaves/bark regularly.

Roof gutters, roofs, canopies and canvas/plastic sheets

- * Clean the gutters/roofs/canopies once a week to avoid choking with leaves or silt.
- * Treat gutters with insecticides such as sand granular insecticide according to the instruction label on the insecticide used.
- * Remove roof gutters as far as possible.
- * Maintain drainage pipes of the canopy and roof regularly to prevent choking.
- * Re-grade the floor of the concrete canopies/roofs to flow towards the drainage pipe.
- * Stop using canvas/plastic sheets to cover motorcycles or other paraphernalia.
- * Inspect canvas/plastic sheets regularly to avoid water accumulation.

Subterranean pits & chambers and key holes

- * Use tight fitting covers for pits and chambers.
- * Seal key holes.
- * Re-design covers to do away with opened key holes.



III. Suggested solutions to

Mosquito breeding outdoors

Choked drains, gully traps and sand traps

- * Cleanse drains and gully/sand traps regularly to prevent choking.
- * Improve gradient of drains to prevent accumulation of water.
- * Change gully trap covers to non-perforated type if gully trap does not receive water.
- * Treat the gully/sand trap with a larvicide such as sand granular larvicide according to the instruction label on the insecticide used.

Hollow metal rade

- * Seal the end of hollow metal bollards or rods.
- * Replace worn part of the hollow metal rods.
- * Cover metal rod holders with lids or plugs to prevent accumulation of water.

Outdoor structures, barbecue pits and playground equipment

- * Treat fake rocks/depressions in structures with mosquito larvicides such as Bacillus thuringiensis subspecies israelensis or sand granular insecticide according to the instruction label on the insecticide used.
- * Avoid using fake rocks if possible.
- * Cover the barbecue pits when not in use.
- * Inspect playground equipment regularly to avoid the accumulation of water.
- * Introduce larvivorous fish into the ponds.
- * Avoid using aeration slabs if possible, or fill the hollow with earth and carry out replanting of grass to prevent soil erosion.
- * Use concrete to level off surfaces of fake rocks which can accumulate water.





III. Suggested solutions to

Mosquito breeding outdoors

Bamboo pole holder

* Cap bamboo pole holders when not in use.

Abandoned vehicles, tyres and articles

- * Request the authorities to tow away abandoned vehicles for disposal.
- * Remove discarded tyres and other articles for disposal.

Water Taps

- * Re-grade uneven ground at the base of the water taps to drain away excess water.
- * Recap the cover of the tap after use to avoid water accumulating in the cover.
- * Redesign the water tap cover to drain away the water.

Air Handling and Cooling Towers

- * Keep discharge outlets open to avoid water accumulation if the units are not in use.
- * Remove the units if they are no longer in use.

Containers

- * Cover with lid
- * Store containers under shelter.

Air conditioner water trays

* Inspect trays regularly and drain away water properly.

Litter bins

- * Provide drainage holes at the base of bins.
- * Ensure that drainage holes are free of chokes.

Anti-bumping tyres

* Puncture with big holes.

Ground puddles

* Fill up depressions.

Water storage tanks

* Inspect closely and cover properly after inspection.

