

Effective Use of Insect Electrocuting Device in Food Premises

To effectively eliminate the fly existing in food premises by using Insect Electrocuting Device (IED), the following points are noteworthy.

- 1 IED should not be used as the first line in defence against flies. Without appropriate proofing measures, the number of fly visiting the premises will not be reduced significantly by IED alone. IED can only be used to kill flies that have accidentally broken through the barrier methods employed.

Barrier Methods

Screening of windows, ventilation openings and doors with 10 mesh screens
Doors/screen doors must be self-closing
Use of anti-fly curtains by fixing strips of beads or plastic strips, etc. in doorways, or
Installing electric fans to create air curtains with air velocity 8 m/s or more across doorways

- 2 Points to note when using Insect Electrocuting Device:

Selection of IED

Ultraviolet (UV) light as the light source, preferably with wavelength at 330-350nm
Brighter UV source (higher wattage) with reflector behind
Equipped with catch pans that can be cleaned

Positioning of IED

Place IEDs along the most critical insect pathways e.g. entrances, doorways and other bottlenecks, vestibules
Place the first IEDs at about, but not closer than, 3.6 metre from the entrances
Install sufficient number of IEDs according to the areas of the premises
Do not place two IEDs farther than 12-15 metre for better results
Spread out IEDs evenly throughout the facility
Install IED at about 1.5 metre from the floor where most flies are found
Locate IED so the light is visible from all directions, but avoid placing them near windows or doors where the light may attract insects from outside
Do not place IED in direct sunlight or near to sodium vapour lights / mercury vapour lamps as they emit a good bit of UV. Standard incandescent and fluorescent lighting has little or no effect on IED performance
Place IED in warm areas where flies are attracted by the temperature
Place an IED near to the entry point of the food production area. Keep IED at least 1.5 metre (preferably 4.5 - 6 metre) away from exposed product. Use only

low mounted wall-type IED. DO NOT use ceiling-hung IED in food processing area

Do not use IED in explosion sensitive areas

Turn on the IED 24 hours a day, 7 days a week to increase effectiveness

Maintenance of IED

Dead insects in the catch pans must be cleaned out at least weekly, preferably twice a week

Light source and the electrifying grid should be cleaned at least monthly

Change UV lamp once a year, preferably prior to the spring season

To ensure maximum efficiency of the IED, follow product instructions from the manufacturers.

Although Insect Electrocuting Device can help to control the fly intruded into the premises, proper proofing measures must be adopted to minimise fly entry. To avoid the presence of breeding places or attractions for fly in the facility, *Good Sanitation* must be maintained in a continuous manner.

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Published by the Administration and Development Branch,

Food and Environmental Hygiene Department

Printed by the Government Logistics Department (12/09)