



A Pesticide-Free Insect Trap

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The most effective pest management tool in the hands of today's modern, intelligent, and progressive farmer is the solar insect light trap. It uses no power and no pesticides or chemicals, is very simple to install, requires no maintenance, is entirely automatic and is completely safe to use. It is quite efficient against all types of flying nocturnal insects, large and small which causes damage to the crops like chilli, tomato, brinjal, mango, apple, pomogranate, guava, and spices like cardamom, etc.. Its ultra violet light attracts insects from a long distance. Insects and flies are attracted to UV light, and flies around it, hit the flaps and fall in tray filled with water.

How to Install

The solar light trap should be positioned at a right angle to the Sun's movement during the day, in the south east direction. Ensure that no trees or other tall objects or things obstruct the incidence of sun rays onto the panel, so that the maximum amount of sun light is absorbed by the trap's solar panel, allowing the battery to store the maximum amount of power possible, allowing the trap to work for a long time during the night.

How the trap Works

During the day, the solar panel absorbs sunlight, which is turned into electric power by the electronic circuitry and stored in the battery. This stored energy will be used by the Light and Fan installed in the Trap at night. When it becomes dark, the light and fan turn on automatically and run for four to five hours. The ultraviolet light emitted by the LEDs attracts harmful nocturnal or night flying insects, which enter the funnel region and are pulled into the bag by the rotating suction fan or fall into the tub with emulsified water. Once caught in the bag or water tub, they have no way out and eventually die from weariness and a lack of nourishment. Traps are offered in three sizes: one with a suction fan and an insect collection bag, one without a fan but with a water tub and barriers, and a smaller one with a water tub.

What are the Benefits and Features

- Attracts and kills a wide variety of insects and pests.
- Energy Conservation: Runs on copious solar energy and is completely automated.
- Cost savings on pesticide spraying personnel.
- Reduces crop losses due to pest infestation.
- Increases your farm's productivity.
- Saves money on chemical pesticides.
- Operating costs are almost non-existent.
- Maintenance-free and simple to install.
- Non-polluting, eco-friendly insect trap.

- It assists us in reducing produce waste, resulting in sustainable agriculture.
- There is no poison in the meal.
- Attract insects to the light and naturally kill them.
- Aids in the capture of all flying nymphs and adult insects such as leaf folders, stem borer moths, fruit borer moths, hoppers, fruit weevils, and beetles, among others, reducing adult population and subsequent progenies in the fields.
- Assists in identifying pest and insect patterns in order to build pest management and control plans.
- Assists in distinguishing and controlling pest and insect harming the crop and enabling pollination to boost productivity.
- It is portable across the crop field without any alterations, requires no major mounting or installation efforts, and is simple to run.
- No Electricity and Manpower required to operate the device.