

Protocol for designing lure for impregnating parapheromone 4[4-acetoxy) phenyl-butanone to attract male flies of *Bactrocera* spp attacking cucurbit crops for mass trapping and monitoring its population thereof.



A trap containing the formulation

Technology Description

This technology uses alcohol free formulations for trapping melon fly which reduces the need for the alcohol. Further at the installation stage, there is no need for the insecticides and hence the produce can be organic.

Background

Melon flies are serious pests in cucurbits, and most importantly export oriented crops like gherkins. The adults lay the eggs on the developing fruits and emerging larvae feed and finally make the produce unmarketable. Besides, *B. cucurbitae* is a quarantine pest, not tolerated in importing countries. The technology to develop an organic formulation without the need for the alcohol or insecticide

Benefits /Utility

Better management of melon flies without the use of insecticides. Twenty traps per acre are recommended for the effective management of this pest.

Scalability & Business and commercial potential

The technology can be extended to any scales. The formulation is being marketed now.

Target Market/Customer

- All the commercial producers of pheromones/lures. This technology commercialized to one firm.

Social Impact of the Technology

- Use of pheromone minimizes the need for pesticides use that causes health hazard to producers and end-users.