

Pest surveillance

Light traps

Uses

- Determining the presence or absence of insect species in an area.
- Obtaining quantitative estimates of population density, species composition, age and sex.
- Providing early warnings of crop infestation and oviposition.
- Determining economic threshold levels to assist insecticide application.
- Suppressing population to help managing the pest

Commonly used light traps

- The Chinsura light trap Robinson trap
- Bamboo light trap
- Mercury vapour lamp
- Modified Robinson light trap Rothamsted trap
- The Pennsylvania and Texastrap
- The new Jersey trap The aquatic light trap Incandescent lamp



Pheromone traps

- Pheromones are semiochemicals that are secreted into the external environment by insect which elicit a specific response in receiving individuals of the same species.

