

Solar pest-surveillance trap

ENTOVE is a solar-powered, pole-mounted node that watches a plot for night-flying crop pests. Through the night it draws them in with ultraviolet light and a swappable, species-specific lure, photographs what arrives, and counts it - so the count happens whether or not anyone walked out to the trap that morning.

Each night's count goes out over a cellular link, geo-tagged and timestamped. Across a season those counts build a pest-pressure trend for that plot, and an alert is raised when the trend crosses the published threshold for the crop and pest being watched. It is the manual pheromone-trap count that ICAR and state extension already recommend - done every night, by the trap itself.

What it does

- A counted, photographed catch every night - without anyone walking out to the trap
- Pest pressure as a trend you can watch building, with an alert when it crosses the published threshold
- Geo-tagged and timestamped, so counts stay comparable across plots and across seasons
- Runs unattended through the year on solar power and reports over cellular - no mains, no Wi-Fi
- Change the lure to change the pest it watches for

What it does not do

- It monitors; it does not control. The trap takes a small sample so it can be photographed and counted. It does not reduce the pest population in your field, and it is not an area-control device.
- What it reports is a relative pressure trend against a threshold - never an absolute count of pests per plant or per acre. One trap samples the insects that came to it, not the field around it.
- It sees night-flying adults that are drawn to light and respond to the fitted lure. Sucking pests, larvae inside stems and bolls, mites and soil stages never reach a trap like this, and are not reported.
- Day-flying pests such as whitefly, thrips and jassids are caught inconsistently and only with the matching variant fitted. They are a secondary capability, not a headline one.
- It catches insects it was not aiming at, including beneficial ones. The choice of lure and the short active window keep that small - and what is caught is counted and reported, not quietly dropped.
- The advice built on these counts is decision support, aligned to CIB&RC-registered label claims and routed through SAU, KVK and NPSS guidance. It is not an independent prescription and does not replace your agricultural officer.

Commercial

Price

On request

This product is in development. The specification above describes the design as it stands and will change before release - it is not a commitment to deliver these figures.