



Pheromone (Phero.Net)



Dispenser

One of the basic fundamentals of integrated and ecological plant protection is the surveillance of pest populations with the help of pheromone traps. Today practically all the pheromones of the economically relevant lepidopteran pest species are known and commercially available as dispenser.

Standards are required

In connection with the use of modern ecological control methods, e.g. mating disruption technique or *Bacillus thuringiensis* application, the reliability of pheromone traps has again greatly increased in significance.

The organization Phero.Net has been working on such a system, and insures a constant quality of the sources of pheromones. Before being released on the market, pheromones are tested at least during a year in different places in Europe. In Switzerland, the Federal Research Station in Wädenswil is in charge of carrying on those tests for quality.

Once the quality of the pheromone dispensers has been proved, the investigated type of dispenser gets its certification. Nowadays, the 13 most important types of dispenser got their certification.

Comments on the standard

Even with standardized traps, a reliable standard can only be obtained, if the following factors are observed:

- The traps for a certain species must be hung every year in the same spot.
- Insect glue paper become soiled and should be changed at least every 2 to 3 weeks.
- The body of the trap should be renewed every year to eliminate possible effects of traces of pheromone from the previous year.
- During flight periods weekly records should be made of the moths caught.
- To avoid surprises, traps for all the significant lepidopteran pest species should be hung out, even for those species that may have been less abundant in a previous year.

If these points are observed, capture numbers over a couple of years can be used to analyse the population's dynamic of the species.
ATLAS AGRO GmbH exclusive distributor for Algeria **sells traps, insect glue paper and dispenser against the following pest species:**

Viticulture:

- *Eupoecilia ambiguella**
- *Lobesia botrana**
- *Sparganothis pilleriana**

Fruit orchards:

- *Adoxophyes orana**
- *Anarsia lineatella**
- *Archips rosana*
- *Archips podana*
- *Cydia pomonella**
- *Cydia splendana**
- *Enarmonia formosana*
- *Grapholita funebrana**
- *Grapholita janthinana*
- *Grapholita lobarzewskii**
- *Grapholita molesta**
- *Hedya nubiferana*
- *Pammene rhediella**
- *Pandemis heparana**
- *Quadraspidiotus perniciosus*
- *Spilonota ocellana*
- *Synanthedon myopaeformis*
- *Zeuzera pyrina**

Vegetable and field cultures:

- *Agrotis ipsilon*
- *Agrotis segetum**
- *Autographa gamma*
- *Ostrinia nubilalis* (Z)
- *Ostrinia nubilalis* (E)
- *Ostrinia nubilalis* (Hybrid)

* Certification of Phero.Net



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