



Pheromone traps for fruit and berry crop pests

Pheromone traps for monitoring and catching of fruit and berry crop insect pests

Advantages:

- They are an integral part of integrated plant protection and an environmentally friendly pest control tool
- They make it possible to determine the trends in insect quantity during the season and regulate the quantity of subsequent generations of insects
- They notify user about the optimal time for protective measures
- They allow user to use insecticides in targeted and reasonable manner, reducing the pesticide load on the environment
- They are compatible with the environment due to their natural origin
- Completely non-toxic, easy to assemble and dispose of traps

— Can be used in resort and nature protection zones

Species of fruit and berry crop pests, types and completeness of traps

Insect species	Trap type	Type of adhesive insert	Number of adhesive inserts	Dispenser type	Number of dispensers
Hawthorn tortrix moth <i>Archips crataegana</i>	Small "Delta"	Small	4	Rubber tube	2
Zygaenid grape moth <i>Theresimima ampellophaga</i>	Small "Delta"	Small	4	Rubber tube	2
Oriental fruit moth <i>Grapholita molesta</i>	Small "Delta"	Small	4	Rubber tube	2
Great brown tortrix moth <i>Archips podana</i>	Small "Delta"	Small	4	Rubber tube	2
European grapevine moth <i>Lobesia botrana</i>	Small "Delta"	Small	4	Foil-film	1
Bipedal tortrix moth <i>Eupoecilia ambiguella</i>	Small "Delta"	Small	4	Rubber tube	2
Leopard moth <i>Zeuzera pyrina</i>	Big "Delta"	Big	4	Rubber tube	2
Willow curvilinear tortrix moth <i>Pandemis heparana</i>	Small "Delta"	Small	4	Rubber tube	2
Brown-marble bed bug <i>Halyomorpha halys</i>	Pyramidal barrier	not required	0	Capsule	1
<i>Bembecia hylaeiformis</i>	Small "Delta"	Small	4	Foil-film	1
<i>Pennisetia hylaeiformis</i>	Small "Delta"	Small	4	Rubber tube	2
Tentiform leaf miner <i>Lithocolletis pyrifoliella</i>	Small "Delta"	Small	4	Rubber tube	2
Fruit variegated tortrix moth <i>Hedya nubiferana</i>	Small "Delta"	Small	4	Rubber tube	2
Pine shoot moth <i>Rhyacionia buoliana</i>	Small "Delta"	Small	4	Rubber tube	2

Double shoot moth <i>Rhyacionia duplana</i>	Small "Delta"	Small	4	Rubber tube	2
Pine-bud shoot moth <i>Evetria turionana</i>	Small "Delta"	Small	4	Rubber tube	2
Pine-bud tortrix moth <i>Spilonota ocellana</i>	Small "Delta"	Small	4	Rubber tube	2
Three-dotted rose moth <i>Arhips rosana</i>	Small "Delta"	Small	4	Rubber tube	2
Fruit-tree tortrix moth <i>Adoxophyes orana</i>	Small "Delta"	Small	4	Rubber tube	2
Plum moth <i>Grapholita funebrana</i>	Small "Delta"	Small	4	Rubber tube	2
Currant borer moth <i>Synanthedon tipuliformis</i>	Small "Delta"	Small	4	Foil-film	1
Apple ermine moth <i>Yponomeuta malinellus</i>	Small "Delta"	Small	4	Rubber tube	2
Codling moth <i>Cydia pomonella</i>	Small "Delta"	Small	4	Rubber tube	2
Apple borer moth <i>Synanthedon myopaeformis</i>	Small "Delta"	Small	4	Foil-film	1

Action

Pheromones are natural, biologically active substances that demonstrate a highly specific action on a particular insect species. They act in extremely low concentrations - microgram quantities comparable to the natural background of odors produced by insects.

The female sex pheromone used in traps mimics the natural process of attracting males of the same species, and as a consequence characterizes a high probability of capture.

Types of pheromone traps

Delta pheromone trap

The Delta trap has quite simple design, it is easy to assemble and consists of a trap body, an adhesive insert and a pheromone dispenser. It is used to capture both small and large insect pests.

Barrier-type pheromone trap

Barrier traps are used to catch the brown-marble bed bug.

Pheromone traps

- They are an integral part of integrated plant protection, an accurate and environmentally friendly pest control tool
- Applicable for both pheromonitoring and mass catching of insect pests
- They allow user to determine the trends in insect quantity during the season and to establish the optimal time for protective measures, as well as to regulate the quantity of subsequent insects generations

General information

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Schelkovo Agrohimi is one of the few companies that synthesises insect pheromones and manufactures traps for over 60 different types of agricultural and forest crop pests.

Production features

Pheromone production has some specific features. Synthesis of active substances for pheromone traps requires a highly developed technological base, expensive equipment, high production culture, and highly qualified chemists. For monitoring purposes, it is sufficient to synthesize a few tens or hundreds of grams of pheromone components in the volume of our country. Such synthesis is expedient to be carried out under laboratory conditions. This is exactly a principle of organization in Shchelkovo Agrochem JSC - a company that is capable of producing pheromone trap sets for monitoring more than 60 species of agricultural and forest pests upon requests from organizations.