



Pheromone traps for stored foods pests

Pheromone traps for monitoring and catching of stored foods 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

Types of stored foods pests, types and completeness of traps

Insect species	Trap type	Type of adhesive insert	Number of adhesive inserts	Dispenser type	Number of dispensers
Mill moth Ephestia kuehniella	Small "Delta"	Small	4	Rubber tube	2
Cocoa grain moth Ephestia elutella	Small "Delta"	Small	4	Rubber tube	2
Dried fruit moth Cadra cautella	Small "Delta"	Small	4	Rubber tube	2
Southern barn moth Plodia interpunctella	Small "Delta"	Small	4	Rubber tube	2
Moths (multi-purpose)	Small "Delta"	Small	4	Rubber tube	2

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.