



# CATALOG

 **PHEROBIO®**  
ECOLOGICAL SOLUTIONS

A woman with short dark hair, wearing a tan bucket hat and a blue apron over a tan sweater, stands in a field. She is holding a large, green, leafy vegetable, possibly a cabbage or kale, in front of her. The background is a blurred field with some green plants and a body of water in the distance.

## **Pursuing sustainable, economical and ecological solutions, for a better planet.**

Pherobio's mission is to provide the best tools and solutions for integrated pest management. The pheromone attract & kill and mating disruption formulations we produce are perfect for monitoring, mass trapping or disrupting damaging insects naturally and effectively.

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# Pheromone Lures For Fruit Damaging Insects



## Pheromone Lure Product List



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[www.pherobio.com](http://www.pherobio.com)

# FRUIT PESTS

## Pheromone Lures

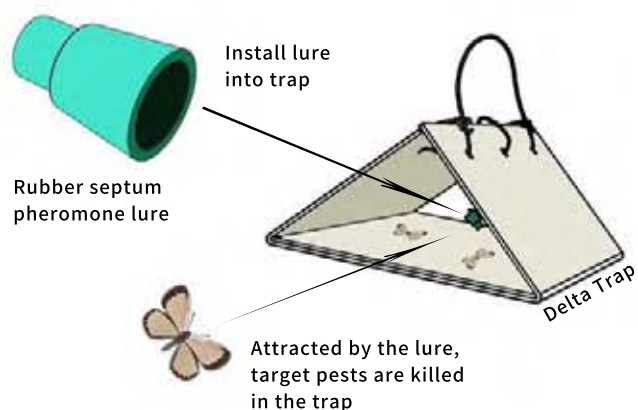
### PHEROMONE LIST:

<i>Adoxophyes orana</i>	: Summer fruit tortrix
<i>Aleurocanthus spiniferus</i>	: Orange spiny whitefly
<i>Bactrocera cucurbitae</i>	: Melon fly
<i>Bactrocera dorsalis</i>	: Oriental fruit fly
<i>Carposina sasakii</i>	: Peach fruit moth
<i>Ceratitis capitata</i>	: Mediterranean fruit fly
<i>Cydia pomonella</i>	: Codling moth
<i>Conogethes punctiferalis</i>	: Durian fruit borer
<i>Diaphorina citri</i>	: Citrus psyllid
<i>Grapholita funebrana</i>	: Plum fruit moth
<i>Grapholita molesta</i>	: Oriental fruit moth
<i>Leucoptera scitella</i>	: Pear leaf blister moth
<i>Phyllonorycter ringoniella</i>	: Apple leafminer
<i>Paranthrene regalis</i>	: Vine tree borer
<i>Lobesia botrana</i>	: European grapevine moth
<i>Lyonetia clerkella</i>	: Apple stem borer
<i>Thaumatotibia leucotreta</i>	: False codling moth
<i>Yponomeuta padella</i>	: Orchard ermine
<i>Zeuzera pyrina</i>	: Leopard moth

For unlisted lures, please contact our specialist/local service personnel.



### INSTRUCTION:



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# Pheromone Lures For Crop Damaging Insects



## Pheromone Lure Product List



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# CROP PESTS

## Pheromone Lures

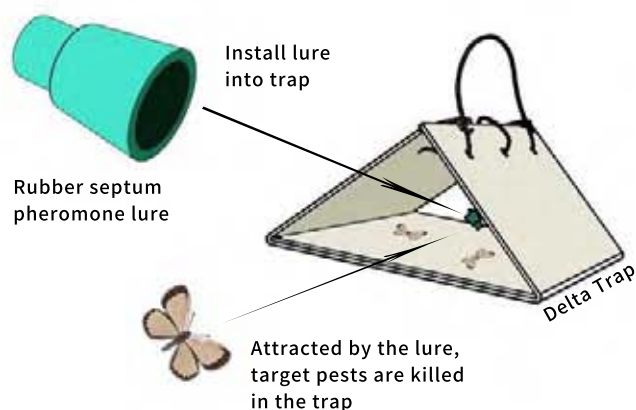
### PHEROMONE LIST:

<i>Agrotis ipsilon</i>	: Black cutworm
<i>Agrotis segetum</i>	: Turnip moth
<i>Apolygus lucorum</i>	: Miridae bug
<i>Athetis lepigone</i>	: Owlet moth
<i>Chilo infuscatellus</i>	: Sugarcane borer
<i>Chilo sacchariphagus</i>	: Spotted borer
<i>Chilo suppressalis</i>	: Rice stemborer
<i>Cnaphalocrocis medinalis</i>	: Rice leafroller
<i>Cylas formicarius</i>	: Sweet potato weevil
<i>Ectropis obliqua</i>	: Tea geometrid
<i>Empoasca vitis</i>	: Grape leafhopper
<i>Euproctis pseudoconspersa</i>	: Tea tussock moth
<i>Helicoverpa armigera</i>	: Cotton bollworm
<i>Helicoverpa assulta</i>	: Tobacco budworm
<i>Helicoverpa zea</i>	: Corn earworm
<i>Homoeosoma nebulella</i>	: Sunflower moth
<i>Mamestra brassicae</i>	: Cabbage moth
<i>Ostrinia furnacalis</i>	: Asian corn borer
<i>Pectinophora gossypiella</i>	: Pink bollworm
<i>Plutella xylostella</i>	: Diamondback moth
<i>Rhynchophorus ferrugineus</i>	: Red palm weevil
<i>Scirpophaga incertulas</i>	: Yellow stem borer
<i>Sesamia inferens</i>	: Pink stem borer
<i>Spodoptera exigua</i>	: Beet armyworm
<i>Spodoptera frugiperda</i>	: Fall armyworm
<i>Spodoptera litura</i>	: Tobacco cutworm
<i>Spodoptera littoralis</i>	: Cotton leafworm
<i>Tuta absoluta</i>	: Tomato leafminer

For unlisted lures, please contact our specialist/local service personnel.



### INSTRUCTION:



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# Pheromone Lures For Forestry Pests



## Pheromone Lure Product List



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# FORESTRY PESTS

## Pheromone Lures

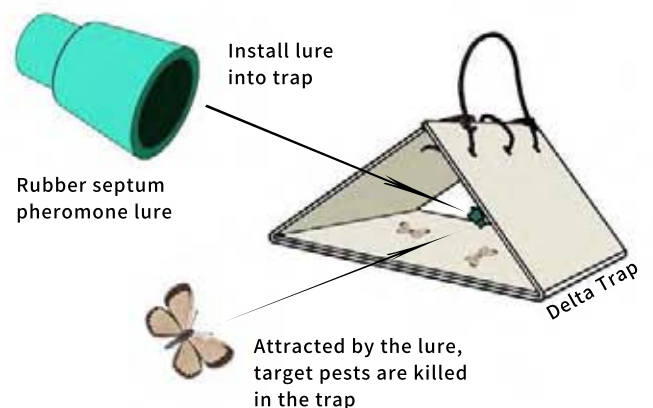
### PHEROMONE LIST:

<i>Agrilus planipennis</i>	: Emerald ash borer
<i>Coleophora obducta</i>	: -
<i>Cossus cossus</i>	: Goat moth
<i>Cryphalus tabulaeformis</i>	: -
<i>Cydalima perspectalis</i>	: Box tree moth
<i>Dendroctonus valens</i>	: Red turpentine beetle
<i>Dendrolimus spectabilis</i>	: Pine moth
<i>Dendrolimus tabulaeformis</i>	: Pine caterpillar
<i>Holcocerus hippophaecolus</i>	: Carpenterworm moth
<i>Ips acuminatus</i>	: Engraver beetle
<i>Ips duplicatus</i>	: Northern bark beetle
<i>Ips sexdentatus</i>	: Six-toothed bark beetle
<i>Ips typographus</i>	: Eight-toothed bark beetle
<i>Lymantria dispar</i>	: Gypsy moth
<i>Monochamus alternatus</i>	: Japanese pine sawyer
<i>Paranthrene tabaniformis</i>	: Dusky clearwing
<i>Streltzoviella insularis</i>	: Carpenterworm
<i>Tomicus minor</i>	: Lesser pine shoot beetle
<i>Tomicus piniperda</i>	: Pine shoot beetle

For unlisted lures, please contact our specialist/local service personnel.



### INSTRUCTION:



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# Pheromone Lures For Storage/Pantry Pests



## Pheromone Lure Product List



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# PANTRY PESTS

## Pheromone Lures

### PHEROMONE LIST:

<i>Ephestia /Plodia spp.</i>	: Pantry moth
<i>Lasioderma serricorne</i>	: Cigarette beetle
<i>Oryzaephilus surinamensis</i>	: Sawtoothed grain beetle
<i>Sitophilus granarius</i>	: Grain weevil
<i>Sitophilus oryzae</i>	: Rice weevil
<i>Sitophilus zeamais</i>	: Maize weevil
<i>Tineola bisselliella</i>	: Common clothes moth
<i>Tinea pellionella</i>	: Case-bearing clothes moth
<i>Trogoderma granarium</i>	: Cabinet beetle

For unlisted lures, please contact our specialist/local service person-



## Ready to use traps

### Disposable Pantry Moth Trap



The pre-baited pantry moth trap attract male moths by pheromone. This prevents them from reaching the female and breeding, and breaks the pantry moth life cycle.

**HEALTHY PRODUCT** - Protects cereal, oats, flour, nuts, pet food, bird seed and other dry goods from Pantry moths, Grain Moths, Flour Moths, Meal Moths and Seed Moths.

**EFFECTIVE & SAFE** - Safe solution to Indian meal moth and other food moth infestation with non-toxic, pesticide-free glue traps.

**HOW IT WORKS** - Males are Attracted and trapped in the traps, which prevents them from reaching the females and breaks the group breeding cycle.

**UPGRADED ATTRACTANT** - Higher pheromone isomer purity, better attractant effects.

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# Pheromone Traps

## Quality Trapping Devices



## Pheromone Trap Product List



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[www.pherobio.com](http://www.pherobio.com)

# Product List

## Pheromone Traps

### PHEROMONE TRAPS

are essential tools for restraining attracted target pests when used with pheromone lures. Traps are designed with distinguishing shapes, to be suitable for the biological behaviors of different insects.

For unlisted traps, please contact our specialist/local service personnel.



### WING TRAPS

Wing traps are universal traps designed for trapping small and large sized moths. They are multifunctional and durable.



### DELTA TRAPS

Two delta traps including multiple use and disposal, designed for trapping small to medium sized moths. Delta traps are universal and economic.



### FRUIT FLY TRAPS

Various traps designed for trapping fruit flies. These traps are durable and proven effective.



### CROP MOTH TRAPS

Various traps designed for trapping small to large sized moths. They are durable and specially designed for insects damaging crops.



### FORESTRY TRAPS

Different types of traps designed for forestry pests, including bark beetles and longhorn beetles.

PHEROBIO®

# Mating Disruption

## Dispensers For Biological Control



**FEROMATE™**  
**Mating Disruptants**



PHEROBIO®  
[www.pherobio.com](http://www.pherobio.com)

# MATING DISRUPTANT

## For Biological Control



## Simple, stable and reliable tool for controlling pests

Safety: Environmental friendly and organically approved.

Efficiency: Higher isomer purity for better performance.

Simplicity: Ready to use and easy application.

Longevity: Up to 180 days of full season coverage.



### KEY TARGETS



*Cydia pomonella*



*Grapholita molesta*



*Lobesia botrana*



*Pectinophora gossypiella*

### BRIEF INTRODUCTION

#### Concept:

Dispensers release highly concentrated and natural identical insect sex pheromone, confusing male insects and disrupt their mating behaviors with the females.

This results the reduction of target insect population, no mating, no larvae.

Using the dispenser is clean and safe to control the pests, most of the time more economical.

#### Application:

450-550 dispensers per hectare, apply evenly on branches. Dispensers contain metal wires for easy twisting application.

#### Field Life:

180 days under optimum conditions.

For more information, please contact our specialist/local service personnel.



## Plant Health, Our Health

In Pherobio, we are driven by providing only economical, effective and ecological pest management products and solutions.

Along with our pheromone-based products, we also have developed various innovative ecological products that improve plant health, and our health too.

[info@pherobio.com](mailto:info@pherobio.com)