



CATALOGUE 2023

FOR THE WORLD OF PROFESSIONAL AGRICULTURE

CATALOGUE 2023

inFarm - Isagro Phero Line®



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CATALOGUE 2023



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A STORY WORTH TELLING:

Gea was established back in 1986 in Milan, based on Giuseppe Braghieri vision. Our company, which today employs more than 50 people, immediately distinguished itself for its desire to grow in the world of manufacturing low environmental impact solutions for pest control.

A long process of growth and investment led to the acquisition of the Isagro brand, from which we took over the range of traps and pheromones for monitoring and mass trapping, together the Ecodian® range of sexual distraction products.

2022 turned out to be a transition year full of challenges: The severe drought that prevailed throughout the year, together with inflationary pressures, certainly have had a significant impact on professional agriculture. Despite these external variables, and despite the fact that the acquisition process was completed late in the season, GEA nevertheless managed to give continuity to the approach it inherited from Isagro, placing customer relations at the centre of its strategy and laying the foundations for its future growth.

Its strong commitment to the development of the **inFarm - Isagro Phero Line®** is evidenced by its keen focus on the introduction of new references. Within a few months of the acquisition, GEA was in fact able to introduce four new references into the catalogue, as well as having initiated several projects for the continuous improvement of existing products.

I am convinced that our team, together with our customers, will benefit sustainable agriculture in Italy and Europe, in a context where low environmental impact solutions will increasingly play a key role.

Adriano Braghieri
General Manager

MISSION

We help the agricultural, civil and industrial world to manage pest problems, intercepting their periodic evolution, through the research, development and production of Green products with the lowest possible environmental impact, firmly believing in the need for user training for safe and effective use.

VISION

inFarm - Isagro Phero Line® aims to be the brand of reference for low-impact pest control and monitoring in professional agriculture.

OUR VALUES

- Made in Italy
- Research & Development
- Minimal environmental impact
- Training
- Innovation
- Workplace safety
- Internal talent development

OUR CERTIFICATIONS



UNI EN ISO 9001:2015
Quality management systems

UNI ISO 21001:2018
Management Systems for Organisations
education and training organisations

ISO 45001:2018
Occupational Safety & Health Management System

UNI EN ISO 14001:2015
Environmental management systems





— PHEROMONES AND THEIR TECHNOLOGIES OF USE



TRAPS FOR MONITORING AND MASS TRAPPING

inFarm® - Isagro Phero Line® offers a wide range of traps which, combined with more than 100 different pheromone essences, can be used to control the main pests of agricultural crops. The traps are divided into traps for population monitoring and traps for mass trapping.

TRAPS FOR MONITORING:

These traps are used to monitor the flight curves of the insect and to identify the right moment for insecticide treatment. They are also a valuable tool in combination with the 'Ecodian®' sexual disorientation system to ensure that the orchard remains 'protected'.

TRAPS FOR MASS TRAPPING:

The aim is to directly control a harmful species by using special traps capable of capturing large numbers of insects. This method cannot eliminate all individuals, but acts as a factor in containing the population.



PHEROMONES

Pheromones are natural chemicals used as messages in the social lives of many animals, particularly insects. Isagro has pioneered the study of insect sex pheromones, using them to serve various technologies such as disorientation defence, trap monitoring and mass trapping.

The use of compostable bio-plastic in dispensers that do not require disposal at the end of the season and the design of highly effective traps are examples of the innovative capacity that **inFarm - Isagro Phero Line®** provides for eco-friendly agriculture.

TRAPS LINE

MONITORING MASS TRAPPING



BACTROCERA DORSALIS
CARPO AND CARPO+
CYMATRAP® GARDEN
CYMATRAP® PRO
MASS®
MASS® LARGE
MASS® LARGE for *Popillia japonica* **COMING SOON**
OLIVE
ROOF
TRAPTEST®
WING
BLUTRAP®
GOLDENTRAP®
BLUTRAP® ROLL
GOLDENTRAP® ROLL
YATLORF
LYGUSTRAP **NEW**
RHYNCHO TRAP by Syngenta® **NEW**
DROSATRAP **COMING SOON**
HYDROTRAP **COMING SOON**



BACTROCERA DORSALIS

McPhail-type trap, particularly suitable for monitoring and mass trapping of dipterans.

BACTROCERA DORSALIS is a trap for trapping adults of various species of Diptera Tephritidae. It can be used in combination with pheromones and attractants.

BACTROCERA DORSALIS is a trap for trapping adults of the Oriental fruit fly, a polyphagous insect with an incredible biotic potential due to its numerous annual cycles and high oviposition. The attractiveness of the methyleugenol-based dispenser contained in a protective capsule and the plastic structure allow effective trapping and precise monitoring of the species.

The duration of dispensing is about 40 days.

RECOMMENDATIONS FOR USE

Suspend the trap 1.5-2 metres above the ground, preferably in shaded areas. To improve the effectiveness of the trap, it is recommended to add a soap and water or oil solution.



PACKAGING	CODE	CONTENT
BACTROCERA DORSALIS	P-25010INFDACUDO	1 trap modified Mc Phail type with interlocking elements. 3 dispensers of Methyleugenol attractant.
PACKAGING	CODE	CONTENT
BACTROCERA DORSALIS WITHOUT PHEROMONE	P-25010INF	1 trap modified Mc Phail type with interlocking elements.

CARPO AND CARPO+

Pheromone traps specifically designed for monitoring *Cydia pomonella*

CARPO is a case-shaped trap with a removable inner glued bottom, specifically designed to enhance attractiveness.

The pheromone should be replaced every 4-5 weeks.

CARPO+ is an open pagoda shaped trap, extremely selective and protected.

The removable glued bottom is not subject to getting dirty.

CARPO+ enhances the attractiveness of the long lasting pheromone dispenser with up to 180 days dispensing time.

RECOMMENDATIONS FOR USE

Install **CARPO** and **CARPO+** traps prior to the start of the wintering generation flights, 3 per hectare.

For plots larger than one hectare, calculate 3 traps for the first hectare and one trap for each additional hectare.

Check traps weekly or in shorter shifts if necessary.



	PACKAGING	CODE	CONTENT
	CARPO	P-25005INFCARPP0	1 trapp: 3 pheromone dispensers 3 glued bottoms
	PACKAGING	CODE	CONTENT
	CARPO+	P-25006INFCARPP0	1 trapp: 1 long lasting pheromone attractant dispenser 3 glued bottoms
	PACKAGING	CODE	CONTENT
	GLUED BOTTOMS	P-25006INFREF	20 glued bottoms



CYMATRAP® GARDEN

Pheromone trap for the control of Asian bugs (*Halyomorpha halys*) recommended for hobby use

CYMATRAP® GARDEN by AgBio is the recommended trap for domestic/hobby use for vegetable gardens, small orchards and gardens.

The unique pyramid shape, designed by the US company "AgBio", is specially designed to effectively catch adult and nest bugs.

The dimensions are 45 cm in height and 16 cm on the side of the base.

RECOMMENDATIONS FOR USE

CYMATRAP® GARDEN is a valuable tool for controlling Asian bedbug populations in three ways:

1. It signals overwintering adults leaving their winter sites and monitors their return to the field.
2. Its pyramid shape helps trap juvenile stages which, unable to fly, climb up the vertical panels and into the jar. Signalling the presence of newborns is a fundamental piece of information that allows timely action to limit the spread of the species. Nymphs are more sensitive to insecticide treatments than adults.
3. At the end of the season **CYMATRAP® GARDEN** intercepts and stops adults that tend to take refuge in crevices for winter diapause. The trap can be used for both monitoring and mass trapping of

the insect. For areas of a few thousand m², such as gardens and kitchen gardens, monitoring of the bedbug population can be carried out with 1 or 2 traps. If the trap is used as an active tool to limit the development of the Asian bedbug (mass trapping), it should be installed covering the whole area, with a maximum distance between traps of 20 metres and a distance between building entrances of 6 metres.

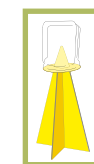
For proper monitoring, install three traps per hectare from March until September/October. Check catches weekly. Overwintering insects initially respond little to pheromones because they are more interested in finding food. After this initial phase, which lasts a few weeks, their physiology changes and pheromones begin to exert a greater effect, which becomes maximum on juveniles (nymphs). The number of catches can vary according to many factors; The best results are usually seen from mid-July onwards.

Nymphs do not fly, they only walk, so it is important to place the base of the trap on the ground or on fences or other structures directly connected to the ground to allow the nymphs to climb over the trap and enter the jar containing the pheromones.

It is recommended that **CYMATRAP® GARDEN** be placed in areas of the farm most favourable to the development of *Halyomorpha halys*, particularly around the perimeter of the crop near hedges and buildings.

Provide additional traps on any sides or points at risk. Replace dispensers every 8-9 weeks.

Warning: Use traps outdoors only.



PACKAGING

CYMATRAP® GARDEN

CODE

P-25012INFHALYHA

CONTENT

2 yellow hard plastic triangles
1 yellow entrance cone
1 collection jar
1 elastic cord for fixing the trap
2 anchor pegs
2 aggregation pheromone dispensers, enclosed in sealed envelope
2 dispensers of attractant, enclosed in a sealed bag

CYMATRAP® PRO

Pheromone trap for monitoring for Asian bugs (*Halyomorpha halys*) for professional use

CYMATRAP® PRO by AgBio is the recommended trap for professional use.

The unique pyramid shape, designed by the US company "AgBio", is specially designed to effectively catch adult and nest bugs. The dimensions are 120 cm in height and 36 cm on the side of the base.

RECOMMENDATIONS FOR USE

CYMATRAP® PRO helps the farmer to monitor the insect in three ways:

1. It signals overwintering adults leaving their winter sites and monitors their return to the field.
2. Through the particular pyramid shape, it favours the capture of the neanids that climb the vertical panels until they reach the inside of the jar. Signalling the presence of newborns is a fundamental piece of information that allows timely action to limit the spread of the species. Neanids are more sensitive to insecticide treatments than adults.
3. At the end of the season **CYMATRAP® PRO** intercepts and stops adults that tend to take refuge in crevices for winter diapause.

Place the trap outside, on the ground or other surface, at least 6 metres away from gardens, fruit trees and building entrances. For proper monitoring, install three traps per hectare from March until September/October.

Check catches weekly. In the case of plots of several merged hectares, set three traps for the first hectare and one for each additional merged hectare. Keep a minimum distance of 20 metres between two traps.

Overwintering insects initially respond little to pheromones because they are more interested in finding food. After this initial phase, which lasts a few weeks, their physiology changes and pheromones begin to exert a greater effect, which becomes maximum on juveniles (neanids). The number of catches can vary according to many factors; The best results are usually seen from mid-July onwards.

Neanids do not fly, they only walk, so it is important to position the base of the trap on the ground, using pegs and fixing them to the holes in the lower part of the pyramid.

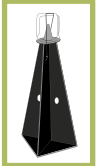
It is recommended that **CYMATRAP® PRO** be placed in those areas of the farm most favourable to the development of *Halyomorpha halys*, particularly around the perimeter of the crop near hedges and buildings.

Provide additional traps on any sides or points at risk.

Replace dispensers every 8-9 weeks.

Warning: Use traps outdoors only.

The CYMATRAP® PRO kit includes 2 packages

PACKAGING	CODE	CONTENT
 CYMATRAP® PRO LARGE BOX	P-25013INFHALYHA	2 black polymer plastic triangles 1 black poly-cardboard plastic square base
		CONTENT
SMALL BOX		1 black entry cone 1 collecting jar 1 elastic cord to secure the trap 4 anchor pegs 1 dispenser of aggregation pheromone, enclosed in a sealed bag 1 dispenser of attractant, enclosed in sealed envelope





MASS[®]


Pheromone trap for the mass trapping of food moths and Lepidoptera Noctuidae

Mass[®] is a funnel trap with collection bag, particularly suitable for the mass trapping of food and meal moths in mills, warehouses and the food industry.

It is also suitable for trapping different species of Noctuid Lepidoptera pesting horticultural crops.

RECOMMENDATIONS FOR USE

Hang one trap every 200 m³ approximately, in a medium-high position away from walls.
For greenhouse use use 1 trap per 1000 m².

PACKAGING	CODE	CONTENT
 MASS[®] WITH PHEROMONES	P-25003INFX	1 trap 3 pheromone dispensers 3 bags
	P-25003INF	1 trap 3 bags without dispensers



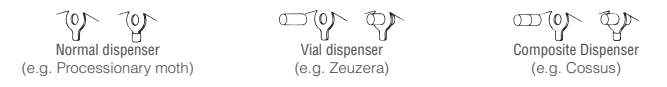


MASS[®] LARGE

Pheromone trap for the mass trapping of Rhododendron and Processionary moths

In large areas of woodland, place traps **MASS[®] LARGE** one every 100 metres along the perimeter and access roads, placing them mainly in the sunniest areas and where infestation is usually greatest.

DISPENSERS:



Mass[®] Large is the trap for mass trapping of Redwood, Yellowwood and Pine processionary moth. The trap is available in two versions with vertical fins, recommended for the mass trapping of the Red Bunting (*Cossus cossus*) and Pine processionary moth (*Traumatocampa pityocampa*); without fins for catching the Yellow Wormwood (*Zeuzera pyrina*).

MASS[®] LARGE, in the version with vertical fins, is also suitable for capturing various species of Noctuid Lepidoptera infesting horticultural crops.

RECOMMENDATIONS FOR USE

Set traps by 1st half of May for *Zeuzera pyrina* or *Cossus cossus*, in numbers of 8-10 per hectare. For pine processionary moths (*Traumatocampa pityocampa*) install traps **MASS[®]LARGE** in the first half of June and hang them in a medium-high position on the southwest side of the plants. In parks and gardens, 6-8 traps are recommended **MASS[®] LARGE** per hectare, spaced 40-50m apart.

PACKAGING	CODE	CONTENT
MASS[®] LARGE FOR GOAT MOTH AND OWLET MOTHS, CUTWORMS OR ARMYWORMS - WITH FINS	P-25004INFACCOSSCO P-25004INFACX	2 traps 6 pheromones
MASS[®] LARGE FOR GOAT MOTH YELLOW - WITHOUT FINS	P-25004INFAAEUZY	2 traps 6 pheromones
MASS[®] LARGE FOR PINE PROCESSIONARY MOTH	P-25004INFACHTAUPI	2 traps 4 pheromones
MASS[®] LARGE WITHOUT PHEROMONES WITHOUT FINS	P-25004INF	2 traps WITHOUT pheromones
MASS[®] LARGE COLLECTING TUBES	P-25004INFREF	10 tubes



TRAPS Line

TRAPS Line

MASS[®] LARGE for *Popillia japonica*

Pheromone trap for the mass trapping of *Popillia japonica*

MASS[®] LARGE is a trap modified specifically for the mass capture of the Japanese beetle (*Popillia japonica*). The combination of pheromone-based sexual attractant and floral scent attractant enables the capture of both male and female specimens. The trap is specially designed to be selective and prevent the capture of beneficial insects. The large collection bag allows the capture of numerous individuals.

RECOMMENDATIONS FOR USE

It is recommended to place the trap at least 1 metre high, maintaining a distance of at least 10 m from crops. For mass trapping, place 15-20 traps per hectare. For monitoring, 1-3 traps per hectare are recommended. Empty or replace the bag once 2/3 full, cleaning the funnel to avoid clogging the trap. Replace dispensers every 8-10 weeks.



PACKAGING	CODE	CONTENT
MASS[®] LARGE for <i>Popillia japonica</i>	P-25023INFPOPIJA	1 trap 2 pheromone dispensers 2 attractant dispensers 3 bags



OLIVE

Specially designed pheromone trap for monitoring the Olive Fly

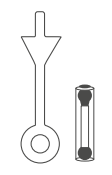
OLIVE is an extremely effective trap for monitoring olive fly (*Bactrocera oleae*), consisting of a specially designed double-pitch canopy, glued on the inside, with the composite pheromone dispenser positioned at a distance from the canopy to maximise attraction and capture.

The combination of **OLIVE** and the specific pheromone provides a system with high selectivity and effectiveness.

RECOMMENDATIONS FOR USE

It is advisable to install the traps **OLIVE** at the end of June in a number of 2-3 per hectare of olive grove. For plots larger than one hectare, calculate 3 traps for the first hectare and one trap for each additional hectare. Replace dispenser every 4-5 weeks.

Insert the composite dispenser
Insert the composite dispenser
into the holder (see figure).



	PACKAGING	CODE	CONTENT
	OLIVE	P-25007INFDACUOL	9 traps 9 pheromone dispensers



ROOF

Pheromone trap specially designed for monitoring scale insects

The **ROOF** model has been designed for monitoring scale insects.

ROOF is a trap consisting of a glued canopy where the nozzle is positioned at a distance from the canopy to maximise attraction and capture capability.

RECOMMENDATIONS FOR USE

It is recommended that **ROOF** traps be installed in spring in numbers of 2-3 traps per hectare in open field, 1-2 traps per plot in greenhouse.

Insert rubber capsule
Insert the composite dispenser into the holder (see figure).



PACKAGING	CODE	CONTENT
ROOF	P-25008INFX	3 traps 9 collared caps 9 pheromone dispensers





TRAPTEST®

Pheromone trap for monitoring Lepidoptera

For plots larger than one hectare, calculate 3 traps for the first hectare and one trap for each additional hectare.

When monitoring more than one species at the same time, place the **TRAPTEST®** traps for each species at a distance of no less than 30 metres.

Never place more than one dispenser within the same **TRAPTEST®**.

Insert the dispensers as shown in the figure.

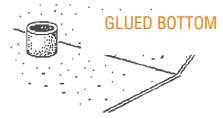
Check traps weekly or in shorter shifts if necessary.

The use of **TRAPTEST®** poses no toxicity risk to humans, animals or the environment. No special precautions are required.

TRAPTEST® is a glue trap, recommended for monitoring small and medium sized Lepidoptera.

TRAPTEST® is the most popular and effective tool for monitoring Lepidoptera flights in orchards and vineyards, an essential accessory for guided pest management, allowing the farmer to know when the actual level of infestation exceeds certain thresholds.

TRAPTEST® consists of a canopy and a glued bottom, joined together at cross-axes; The pheromone dispenser is placed in the centre of the glued bottom, where the male individuals of the species concerned, attracted by the sex pheromone, will be captured.



Place the rubber capsule in the middle of the adhesive base with the concave part facing upwards.









Place the dispenser on the adhesive base or hang the dispenser under the canopy by opening and closing the lid of the vial in such a way that the supporting wire of the trap remains in the eyelet of the lid.

RECOMMENDATIONS FOR USE

Calculation of trap requirements

It is recommended to install 3 traps **TRAPTEST®** per hectare.



PACKAGING	CODE	CONTENT
 3x 	TRAPTEST® with PHEROMONES P-25001INFX	3 traps 9 glued bottoms 9 pheromone dispensers
	TRAPTEST® WITHOUT PHEROMONES P-25001INF	3 traps 9 glued bottoms without pheromone dispenser
	TRAPTEST® ONE WITH PHEROMONES P-25001INFONEX	1 trap 3 glued bottoms 3 pheromone dispensers
	TRAPTEST® ONE WITHOUT FEROMONS P-25001INFONE	1 trap 3 glued bottoms 3 pheromone dispensers
	TRAPTEST® GLUED BOTTOMS P-25001INFRE	9glued bottoms

WING

Chromotropic trap for monitoring and mass trapping Tripetid Diptera

Calculation of trap requirements

For plots larger than one hectare, calculate 3 traps for the first hectare and one trap for each additional hectare. Check traps weekly or in shorter shifts if necessary.

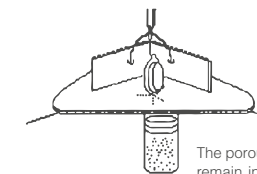
Advice on use for mass trapping

WING to catch *Bactrocera oleae* should be primed with pheromone for the male and ammonia attractant for the female. The caps on the end of the pheromone dispenser should not be opened and should be inserted into one of the two openings on the triangular top of the trap. The vials of ammonia attractant are opened and the cap is inserted into one of the two openings on the triangular roof. Do not remove the discs in the vial. The vial will remain hanging under the trap roof.

Pheromone dispenser: lasting 4 weeks.

Ammonia attractant: Lasts 4 weeks but may decrease with rain or high humidity (can be seen when running out of product).

For mass trapping install no less than 15-20 traps per hectare.



The porous discs in the vials must remain in their positions to avoid loss of active substance.

RECOMMENDATIONS FOR USE

Traps should be set in June, within the flicker period of each species, with 2-3 traps per hectare.

Package contains: 3 yellow chromotropic traps with pheromone dispensers and/or attractant depending on the target insect.



PACKAGING	CODE	CONTENT
WING WITHOUT FEROMONS	P-25009INF	3 traps without dispenser
WING for Olive Fly (<i>Bactrocera oleae</i>)	P-25009INFDACUOL	3 traps 9 pheromone dispensers 9 vials of ammonia attractant
WING for Mediterranean Fruit Fly (<i>Ceratitis capitata</i>)	P-25009INFCERTCA	3 traps 9 platelets of "trimedlure" attractant
WING for Cherry Flies (<i>Rhagoletis cerasi</i>)	P-25009INFRHAGCE	3 traps 9 vials of ammonia attractant
WING for Walnut Flies (<i>Rhagoletis completa</i>)	P-25009INFRHAGCO	3 traps 9 vials of ammonia attractant





BLUTRAP®

BLUE COLOURED chromotropic trap for monitoring and mass trapping of thrips.

foliage. Modulate the quantity of panels to be used according to the pressure and quantity of the insect and the crop to be protected.

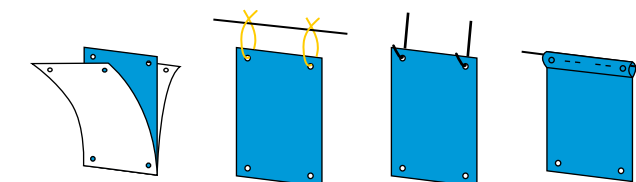
BluTrap® is the blue chromotropic trap for monitoring and mass trapping thrips. A pack of **BluTrap®** contains 10 double-sided glued chromotropic panels made of high quality biodegradable paper and 20 ties for quick installation.

Replace the panels when there is about 70% of the surface covered by insects or when the glue loses its adhesive activity. Intensifying the number of traps around the perimeter of the field can promote the "barrier" effect, limiting the entry of new pests into the field. Use the ties available to tie the panels to the support structures.

Each panel is 25.5 cm high and 16 cm wide for a total area of 408 cm² per side and is enclosed in 2 protective films. The highly saturated blue colour is particularly suitable to enhance its attractiveness to thrips. In particular, it attracts the *Frankliniella occidentalis* (Western greenhouse thrips), an insect vector of the tomato virus that causes spotted wilt (TSWV, Tomato Spotted Wilt Virus). Water-repellent, resistant to rain and to foliar applications of the most common agropharmaceuticals.

Holes are provided in the four corners of the panels to facilitate this. Attach the **BluTrap®** panels correctly so that they do not wobble and are more effective at catching insects.

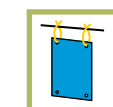
The high-quality entomological glue is non-toxic and is present on both sides. It is UV-resistant, does not dry out and remains active for at least 4-5 weeks. Once applied, the board stays firmly in place, does not roll up and does not bend. Can be used in any type of greenhouse and in open field conditions. Safe and non-toxic



RECOMMENDATIONS FOR USE

Use **BluTrap®** panels for monitoring or mass trapping thrips. Install approximately 10 **BluTrap®** panels per 100 m² from pre-flowering.

Place traps at the height of the flower stages or the top of the



PACKAGING	CODE	CONTENT
BLUTRAP®	P-25017INFB	10 glued panels 20 straps per installation
1 CARTON BOX CONTAINS 50 PACKS OF 10 PANELS		



GOLDENTRAP®

YELLOW COLOURED chromotropic trap for monitoring and mass trapping insects

RECOMMENDATIONS FOR USE

Install panels **GoldenTrap®** for monitoring or mass trapping of targeted insect pests.

Modulate the quantity of panels to be used according to the pressure and quantity of the insect and the crop to be protected.

Replace the panels when there is about 70% of the surface covered by insects or when the glue loses its adhesive activity. Intensifying the number of traps around the perimeter of the field can promote the "barrier" effect, limiting the entry of new pests into the field.

Use the ties available to tie the panels to the support structures.

Holes are provided in the four corners of the panels to facilitate this. Properly secure **GoldenTrap®** panels so they do not wobble and are more effective at capturing insects.

For more selective trapping, **GoldenTrap®** panels can be combined with pheromone dispensers **Dispenser** for those insects for which the attractiveness of chromotropic traps and sex or aggregation pheromones can be applied simultaneously. In this case, the number of panels installed can be significantly reduced as required.

Apply the dispensers directly onto the entomological glue.

GoldenTrap® is the yellow chromotropic trap for monitoring and mass trapping of insects.

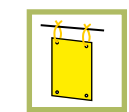
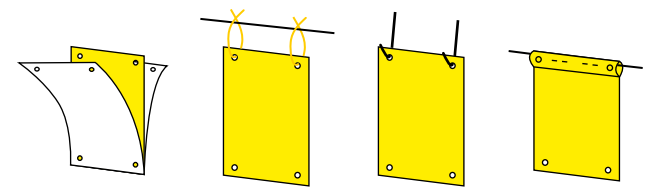
A pack of **GoldenTrap®** contains 10 double-sided glued chromotropic panels made of high quality biodegradable paper and 20 ties for quick installation. Each panel is 25.5 cm high and 16 cm wide for a total area of 408 cm² per side and is enclosed in 2 protective films.

The fluorescent yellow colour is particularly suitable for enhancing the attractiveness of the panels to dipters (e.g. flies) and rhinos, such as leafhoppers and aleurodes, or other insects attracted by the yellow colour.

Water-repellent, resistant to rain and to foliar applications of the most common agropharmaceuticals.

The high-quality entomological glue is non-toxic and is present on both sides. It is UV-resistant, does not dry out and remains active for at least 4-5 weeks in open field conditions. Once applied, the board stays firmly in place, does not roll up and does not bend. It can be used in any type of greenhouse, under open field conditions and also in indoor environments such as food storage or livestock farms.

GoldenTrap® is harmless to beneficial insects such as bees, as the yellow colour is not sufficient to attract them, but the presence of pollen or nectar is necessary. Safe and non-toxic.



PACKAGING	CODE	CONTENT
GOLDENTRAP®	P-25017INFG	10 glued panels 20 straps per installation
1 CARTON BOX CONTAINS 50 PACKS OF 10 PANELS		

TRAPS Line

TRAPS Line



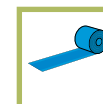
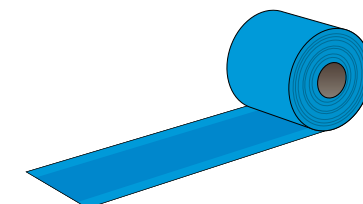
BLUTRAP® ROLL

BLUE COLOURED chromotropic roller for mass trapping thrips.

RECOMMENDATIONS FOR USE

Spread the **BluTrap® Roll** in the pre-flowering phase of the crop for mass trapping of thrips. Modulate the quantity to be used according to the pressure and quantity of the insect and the crop to be protected. For example, the roll can be spread along the row of the crop across all the rows, or it can be applied alternately. The installation height must correspond with the flower stages and vegetative apexes of the crop or where the leaf apparatus is well developed. Replace the product when there is about 70% of the surface covered by insects or when the glue loses its adhesive activity. Wherever possible, use greenhouse poles as support for rollers and intensify installation near greenhouse entrances to better intercept incoming thrips.

BluTrap® Roll is the blue colour chromotropic roll for mass trapping thrips. The roller is 15 cm wide and 100 metres long. It is made entirely of biodegradable paper, resistant to traction, but can be easily torn crosswise for easier and quicker application. High quality entomological glue is present on both sides of the roll. It is UV-resistant, does not dry out and remains active for at least 4-5 weeks. The edge of the roller is not glued, for easier handling by the operator. The highly saturated blue colour is particularly suitable to enhance the attractiveness to thrips. In particular, it attracts the *Frankliniella occidentalis* (Western greenhouse thrips), an insect vector of the tomato virus that causes spotted wilt (TSWV, Tomato Spotted Wilt Virus). Water-repellent, resistant to rain and to foliar applications of the most common agropharmaceuticals. It can be used in any type of greenhouse. Due to the large adhesive surface area, use in open fields is not recommended because of the risk of catching other non-target animals such as birds or small mammals. Safe and non-toxic.



PACKAGING

BLUTRAP® ROLL

CODE

P-25017INFBR

CONTENT

100 metres

1 CARTON BOX CONTAINS 12 ROLL



GOLDENTRAP® ROLL

YELLOW COLOUR chromotropic roller for mass trapping insects.

RECOMMENDATIONS FOR USE

Spread the **GoldenTrap® Roll** for mass trapping of targeted pest. Modulate the quantity to be used according to the pressure and quantity of the insect and the crop to be protected. For example, the roll can be spread along the row of the crop across all the rows, or it can be applied alternately. The installation height should correspond with the vegetative apices of the crop or slightly below where the foliage is well developed.

Replace the product when there is about 70% of the surface covered by insects or when the glue loses its adhesive activity. It is advisable, where possible, to use the poles present in the greenhouses as support for the rollers and to intensify the installation near the entrances of the greenhouses, in order to better intercept incoming phytophagous insects.

In stables **GoldenTrap® Roll** can be applied on vaults, between beams or on support poles to intercept insects that proliferate in livestock environments.

For more selective trapping, the **GoldenTrap® Roll** can be combined with pheromone dispensers. Dispenser specifically for those types of insects for which the attractiveness of the chromotropic trap can be applied simultaneously with that of sex or aggregation pheromones. In this case apply about one dispenser per 50 metres directly on the entomological glue. If a clear gradient of higher catches forms in the vicinity of the pheromone, shorten the distance between the dispensers.

GoldenTrap® Roll is a double-sided yellow adhesive chromotropic roll for mass insect trapping.

It is particularly suitable for the capture of flies, e.g. olive fly (*D. oleae*), cherry fly (*R. cerasi*), whitefly (aleurodidae) and common fly. In addition, it can be used for the capture and monitoring of leafhoppers.

The roller is 15 cm wide and 100 metres long. It is made entirely of biodegradable paper, resistant to traction, but can be easily torn crosswise for easier and quicker application. The high-quality entomological glue is non-toxic and is present on both sides of the roller.

It is UV-resistant, does not dry out and remains active for at least 4-5 weeks. The edge of the roller is not glued for easier handling by the operator.

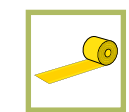
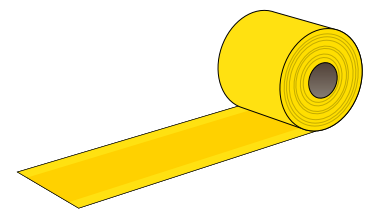
The yellow colour is particularly suitable to enhance its attractiveness to diptera (e.g. flies) and rhinocytes, such as leafhoppers and aleurodes, or other insects attracted by the yellow colour (e.g. corn rootworm, some corn rootworms, some insects). Corn rootworm, some aphids.

Water-repellent, resistant to rain and to foliar applications of the most common agropharmaceuticals.

Can be used in all types of greenhouses and indoor environments such as food storage facilities or livestock farms.

GoldenTrap® Roll is harmless to beneficial insects such as bees, as the yellow colour is not sufficient to attract them, but the presence of pollen or nectar is necessary. Due to the large adhesive surface area, use in open fields is not recommended because of the risk of catching other non-target animals such as birds or small mammals.

Safe and non-toxic.



PACKAGING	CODE	CONTENT
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GOLDENTRAP® ROLL	P-25017INFR	100 metres
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1 CARTON BOX CONTAINS 12 ROLL

YATLORF

Pheromone trap for monitoring Coleotteri Elateridi.

YATLORF is a trap designed to monitor Elateridae, Coleoptera with a multi-year cycle whose larvae, known as "ferrets", feed on roots and underground organs causing seedling failure and wilting of adult plants. In our environments the most common species belong to the genus *Agriotes* and among them *A. litigiosus*, *A. brevis* and *A. sordidus*.

RECOMMENDATIONS FOR USE

YATLORF traps, depending on the season and the insect to be monitored, should be triggered with one or more specific pheromones;

At the beginning of spring (end of March), the trap should be placed primed with *A. brevis* pheromone, placing the dispenser below the fins of the trap body.

At the beginning of April, the trap for *A. sordidus* should be installed; this trap should be renewed after one month.

In mid-June, replace the pheromone for *A. litigiosus* to be renewed after about a month.


Traps should be placed in numbers of 3 per 10 ha of land, placing them in a stable position on the ground, burying the lower edge with 1-2 cm of soil.

The dispensers have a lifetime of 4-5 weeks.

RECOMMENDED CALENDAR FOR THE INSTALLATION OF THE PHEROMONES

PERIOD	PHEROMONE
End of March / Early April	Insert Brevis
Early April	Add Sordidus
Beginning of May	Renew Sordidus
Late May	Replace Brevis with Litigiosus
Mid-June	Renew Litigiosus
Early August	End of Monitoring

To cover the whole season we recommend a package consisting of one trap and 5 dispensers (1 Brevis, 2 Sordidus, 2 Litigiosus).

PACKAGING	CODE	CONTENT
 YATLORF TYPE A	P-25011INF	1 trap with components to assemble The pheromones are not included in the package
DISPENSERAGRIOTES BREVIS	P-25011NFEAGRBRE	
DISPENSERAGRIOTES LITIGIOSUS	P-25011NFEAGRLIT	
DISPENSERAGRIOTES SORDIDUS	P-25011NFEAGRSOR	



LYGUSTRAP

Pheromone trap for monitoring of *Lygus rugulipennis*.

LYGUSTRAP is a pheromone trap for monitoring *Lygus rugulipennis*, recommended for horticultural crops.

The trap can be used for both monitoring and mass trapping on a wide variety of horticultural crops.

RECOMMENDATIONS FOR USE

The useful period for monitoring is between April and October. Place 2-5 traps per hectare for field crops.

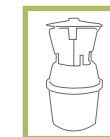
For protected crops, place the traps outside the greenhouse. Traps should be placed between the rows of crops at a height of 20-50 cm or possibly buried up to the collecting jar.

In the case of high pest densities, provide additional traps on any sides or points at risk.

To facilitate the capture of the insect, add a liquid (e.g: soap and water).

The green colour increases the attractiveness of the trap to the insect.

The dispensers have a lifetime of 4-5 weeks.



PACKAGING

LYGUSTRAP

CODE

P-25019INF

CONTENT

2 traps
4 pheromone dispensers

RHYNCHO TRAP by Syngenta®

Trap for monitoring and mass trapping of *Rhynchophorus ferrugineus*.

RHYNCHO TRAP by Syngenta® is a trap for monitoring and mass trapping the Red Palm weevil comprising an innovative diffuser (**RHYNCHO Pro Classic®**) which allows the simultaneous release of an aggregation pheromone and an attractant kairomone capable of effectively attracting red palm weevil (also known as Asian palm weevil or sago palm weevil) adults into a pitfall-type trap. When the trap is activated, the aggregation pheromone and kairomone are released into the air, activating the receptors of both male and female Red Weevils and attracting them to the trap.

RECOMMENDATIONS FOR USE

Use the trap when Red Weevil adults are active. Place the trap at least 10 metres from the palm trees, ideally in a shaded area. Bury the lower (yellow) part and fill it halfway with water and a small amount of soap or vegetable oil. Open the diffuser bottle, screw it into the centre of the holder and place it in the buried part of the trap. Insert the upper part.

For monitoring, place 1-2 traps per hectare, taking care to monitor the trap at regular intervals. For mass trapping, place 7-14 traps per hectare.

Replace the diffuser every 3 months.

PACKAGING	CODE	CONTENT
RHYNCHO TRAP	P-25021INFRHYFE	1 trap 3 pheromone dispensers

DROSATRAP

Trap for monitoring and mass trapping of *Drosophila suzukii*.

DROSATRAP is a trap used to monitor the small fruit fly (*Drosophila suzukii*), a key pest in strawberry, raspberry, grape, cherry, plum, peach, fig, blackberry, blueberry, persimmon and kiwi.

DROSATRAP is a selective trap designed so as to prevent the capture of other insects, including beneficial insects such as bees.

RECOMMENDATIONS FOR USE

DROSATRAP is the trap to use in combination with **Drosaliquid**.

We recommend placing 10-20 traps per hectare filled with 200 ml of attractant liquid, making sure to position them at a height of 1 - 1.5 m.

IDEAL WITH DROSALIQUID



PACKAGING	CODE	CONTENT
DROSATRAP	P-25020INFKIT	2 traps 1 can of Drosaliquid

IDROTRAP

Pheromone trap for monitoring and mass trapping *Tuta absoluta*.

IDROTRAP is a water trap for monitoring and mass trapping of *Tuta absoluta*, a major tomato pest.

IDROTRAP consists of a red tray with an integrated overflow system that controls the water level. Male insects are attracted by the sex pheromone dispensed from the top of the trap and fall into the water.

RECOMMENDATIONS FOR USE

Position the trap at ground level, keeping a distance of 15-20 metres between them.

Fill the trap with water to the indicated level, taking care to add a small amount of liquid soap or vegetable oil.

IDROTRAP can be connected to a dripper for automatic refilling or alternatively refilling must be done manually. It is advisable to check the traps regularly in order to eliminate any insects present. Replace dispenser every 4-6 weeks.



PACKAGING	CODE	CONTENT
IDROTRAP	P-25022INFTUTAB	3 traps 3 pheromone dispensers

PHEROMONES AND DISPENSERES LINE

INSECT-SPECIFIC DISPENSERS

 nFarm

ISAGRO[®]
PHERO LINE

DISPENSER
CYMATRAP[®] DISPENSER
DROSALIQUID **NEW**
AVAILABLE PHEROMONES

DISPENSER

Insect-specific Pheromone dispensers specific

DISPENSER contains additional dispensers for all types of traps.

RECOMMENDATIONS FOR USE

Place the dispenser in the centre of the traps according to directions.



PACKAGING

DISPENSER

CODE

P-25002INFX

CONTENT

18 pheromone dispensers
or 9 vials of ammonia attractant.
or 9 pairs of dispensers
for *Popillia japonica*



CYMATRAP® DISPENSER

Specific pheromone dispensers
for Asian bugs (*Halyomorpha halys*)

CYMATRAP® dispenser contains additional pairs of dispensers, to be combined with **CYMATRAP® GARDEN** and **CYMATRAP® PRO** traps.

RECOMMENDATIONS FOR USE

Place 1 silicone dispenser and 1 vial-shaped dispenser inside the jar and at the base of the cone. Keep vial closed. Replace after 8-9 weeks.

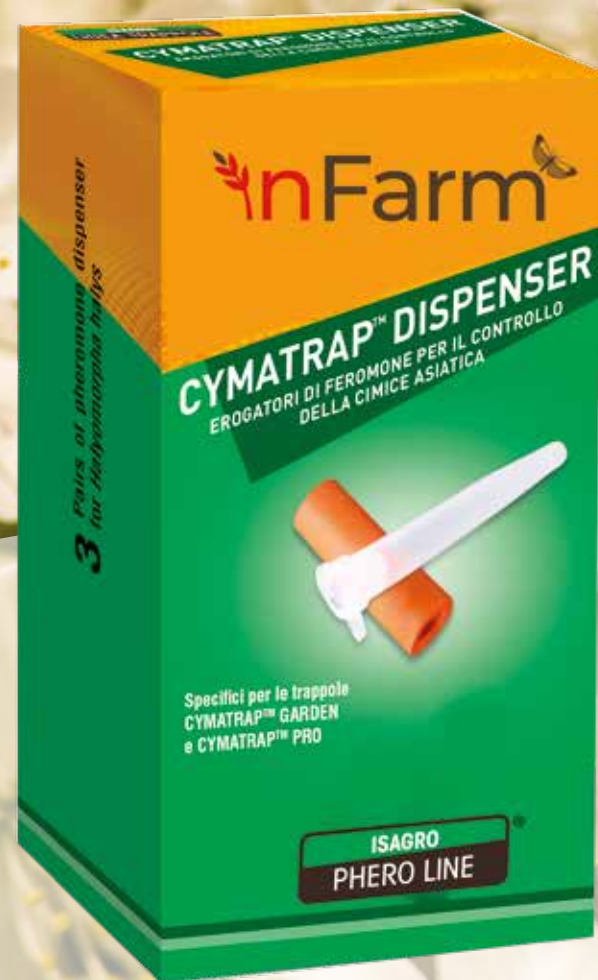
Insert into **CYMATRAP® GARDEN** or **CYMATRAP® PRO** trap jars the aggregate diffuser (vial) and the attractant diffuser (silicone dispenser).

The vial-shaped diffuser must be kept closed.

The product poses no risk of toxicity to humans or pets and no special precautions are required.

To ensure greater effectiveness, we recommend handling with gloves.

Store in a cool place. The activity of the dispensers lasts 8-9 weeks from the day of their exposure in the field depending on the environmental conditions.



PACKAGING	CODE	CONTENT
DISPENSER 3+3	P-25014INFHALYHA	3 aggregation pheromone dispensers (vial) 3 dispensers of attractant (silicone dispenser) specifically for <i>Halyomorpha halys</i>
DISPENSER 9+9	P-25015INFHALYHA	9 aggregation pheromone dispensers (vial) 9 dispensers of attractant (silicone dispenser) specifically for <i>Halyomorpha halys</i>

DROSALIQUID

Liquid attractant for mass trapping dipterans.

DROSALIQUID is a mixture of natural food substances recommended for *Drosophila suzukii*, *Ceratitis capitata* and *Bactrocera dorsalis*.

RECOMMENDATIONS FOR USE

Liquid food additive for use within **Drosatrap**. Effective 3 to 6 weeks, depending on environmental conditions. It is recommended to top up the liquid every 14 days or when necessary. In order to prolong how long the liquid remain active in the field, it is recommended to check the traps regularly and remove any insects present in the liquid itself. For a more attractive effect, the product can be used in combination with specific pheromones.

IDEAL WITH DROSATRAP



PACKAGING

DROSALIQUID

CODE

P-25020INF

CONTENT

1L CAN



AVAILABLE PHEROMONES



STORED FOODS

SCIENTIFIC NAME	COMMON NAME	TRAP
<i>Cadra cautella</i>	Almond and Fig Moth	Traptest [®] , Mass [®]
<i>Cadra figulilella</i>	Dried Fruit Moth	Traptest [®] , Mass [®]
<i>Ephestia elutella</i>	Cocoa and Tobacco Moth	Traptest [®] , Mass [®]
<i>Ephestia kuehniella</i>	Flour Moth	Traptest [®] , Mass [®]
<i>Plodia interpunctella</i>	Banded Moth	Traptest [®] , Mass [®]
<i>Sitotroga cerealella</i>	True corn rootworm	Traptest [®] , Mass [®] , Mass [®] Large with fins

HERBACEOUS, INDUSTRIAL, ORNAMENTAL

SCIENTIFIC NAME	COMMON NAME	TRAP
<i>Acrolepiopsis assectella</i>	Leek Moth	Traptest [®]
<i>Agriotes brevis</i>	Elaterid, ferret	Yatlorf
<i>Agriotes litigiosus</i>	Elaterid, ferret	Yatlorf
<i>Agriotes sordidus</i>	Elaterid, ferret	Yatlorf
<i>Agrotis exclamationis</i>	Agrotida	Traptest [®] , Mass [®] , Mass [®] Large with fins
<i>Agrotis ipsilon</i>	Seedling Noctule	Traptest [®] , Mass [®] , Mass [®] Large with fins
<i>Agrotis segetum</i>	Crop midge	Traptest [®] , Mass [®] , Mass [®] Large with fins
<i>Autographa gamma</i>	Plusia gamma	Traptest [®]
<i>Cacoecimorpha pronubana</i>	Carnation fly	Traptest [®]
<i>Capparimya savastanoi</i>	Caper fly	Wing
<i>Choristoneura lafauryana</i>	Strawberry and soybean fruit fly	Traptest [®]
<i>Chrysodeixis chalcites</i>	Tomato plague	Traptest [®]
<i>Cydalima perspectalis</i>	Boxwood borer	Traptest [®] , Mass [®] , Mass [®] Large with fins
<i>Cydia nigricana</i>	Pea borer	Traptest [®]
<i>Discestra trifolii</i>	Clover Noctule	Traptest [®] , Mass [®] , Mass [®] Large with fins
<i>Duponchelia fovealis</i>	Southern European marsh pyralid	Traptest [®]
<i>Epichoristodes acerbella</i>	South African carnation bark beetle	Traptest [®]
<i>Gortyna xanthenes</i>	Artichoke moth	Traptest [®]
<i>Halyomorpha halys</i>	Asian bug	Cymatrap [®]
<i>Helicoverpa armigera</i>	Yellow Tomato Noctule	Traptest [®] , Mass [®] , Mass [®] Large with fins
<i>Loxostege sticticalis</i>	Alfalfa and Swiss chard borer	Traptest [®]
<i>Mamestra brassicae</i>	Cabbage Moth	Traptest [®] , Mass [®] , Mass [®] Large with fins
<i>Mamestra oleracea</i>	Kitchen Garden Noctule	Traptest [®] , Mass [®] , Mass [®] Large with fins

SCIENTIFIC NAME	COMMON NAME	TRAP
<i>Mythimna unipuncta</i>	Grass Noctule	Traptest® , Mass® , Mass® Large with fins
<i>Ostrinia nubilalis</i> (strains E, E/Z, Z)	Corn borer	Traptest®
<i>Ostrinia nubilalis</i> (Phenylacetaldehyde)	Corn borer	Traptest®
<i>Pectinophora gossypiella</i>	Pink cotton worm	Traptest®
<i>Peridroma saucia</i>	Carnation moth	Traptest® , Mass® , Mass® Large with fins
<i>Phthorimaea operculella</i>	Potato moth	Traptest®
<i>Plutella xylostella</i>	Cruciferous moth	Traptest®
<i>Popillia japonica</i>	Japanese beetle	Mass® for Popilia
<i>Sesamia cretica</i>	Sorghum moth	Traptest®
<i>Sesamia nonagrioides</i>	Corn rootworm	Traptest® , Mass® Large with fins
<i>Spodoptera exigua</i>	Chard Noctua	Traptest® , Mass® , Mass® Large with fins
<i>Spodoptera frugiperda</i>	Lafigma	Traptest®
<i>Spodoptera littoralis</i>	Cotton bollworm	Traptest® , Mass® , Mass® Large with fins
<i>Tecia solanivora</i>	Central American Potato Tuber Moth	Traptest®
<i>Trichoplusia ni</i>	Cruciferous Noctule	Traptest®
<i>Tuta absoluta</i>	Tomato leaf miner	Traptest®
<i>Xestia c-nigrum</i>	Noctua c-nigrum	Traptest® , Mass® , Mass® Large with fins

FRUIT AND WINE GROWING

SCIENTIFIC NAME	COMMON NAME	TRAP
<i>Adoxophyes orana</i>	Capua	Traptest®
<i>Anarsia lineatella</i>	Peach tree moth	Traptest®
<i>Antispila oinophilla</i>	Vine antispila	Traptest®
<i>Aonidiella aurantii</i>	Strong red citrus mealybug	Roof
<i>Archips podanus</i>	Cacecia	Traptest®
<i>Archips rosanus</i>	Greenish budworm	Traptest®
<i>Argyrotaenia pulchellana</i>	Eulia	Traptest®
<i>Bactrocera dorsalis</i>	Oriental fruit fly	Bactrocera dorsalis
<i>Bactrocera (Dacus) oleae</i>	Olive fly	Traptest® , Wing , Olive
<i>Bactrocera zonata</i>	Peach fly	Bactrocera dorsalis
<i>Ceratitis capitata</i>	Mediterranean fruit fly	Traptest® , Wing
<i>Clepsis spectrana</i>	Vine and orchard rootworm	Traptest®
<i>Comstockaspis perniciososa</i>	San Jose cochineal	Roof
<i>Cossus cossus</i>	Red rhododendron	Mass® Large with fins

SCIENTIFIC NAME	COMMON NAME	TRAP
<i>Cryptoblabes gnidiella</i>	Grapevine and citrus fruit moth	Traptest®
<i>Cydia fagiglandana</i>	Intermediate chestnut moth	Traptest®
<i>Cydia funebrana</i>	Plum worm	Traptest®
<i>Cydia lobarzewskii</i>	Small fruit tortrix	Traptest®
<i>Cydia molesta</i>	Eastern peach tree moth	Traptest®
<i>Cydia pomonella</i>	Carpocapsa or apple worm	Traptest® , Carpo , Carpo+
<i>Cydia splendana</i>	Late chestnut weevil	Traptest®
<i>Duponchelia fovealis</i>	Southern European marsh pyralid	Traptest®
<i>Enarmonia formosana</i>	Stone fruit rootworm	Traptest®
<i>Eupoecilia ambiguella</i>	Grape moth	Traptest®
<i>Ephestia</i> spp.	Grapevine / food moths	Traptest®
<i>Euzophera bigella</i>	Fruit borer	Traptest®
<i>Euzophera pinguis</i>	Olive tree moth	Traptest®
<i>Halyomorpha halys</i>	Asian bug	Cymatrap®
<i>Hedya nubiferana</i>	Green shoot moth	Traptest®
<i>Leucoptera malifoliella</i>	Cemiosstoma	Traptest®
<i>Lobesia botrana</i>	Vine Moth	Traptest®
<i>Orgyia antiqua</i>	Orgyia	Traptest® , Mass® , Mass® Large with fins
<i>Palpita unionalis</i>	Margaronia or olive borer	Traptest®
<i>Pammene fasciana</i>	Chestnut borer	Traptest®
<i>Pandemis cerasana</i>	Yellow-green pome fruit borer	Traptest®
<i>Pandemis heparana</i>	Green pome fruit tortrix	Traptest®
<i>Phyllocnistis citrella</i>	Citrus serpentine miner	Traptest®
<i>Phyllonorycter corylifoliella</i>	Upper apple tree litocollete	Traptest®
<i>Phyllonorycter</i> spp.	Lower lithocollete of pome fruit	Traptest®
<i>Planococcus citri</i>	Citrus mealybug or citrus cottonmouth	Roof
<i>Planococcus ficus</i>	Grapevine mealybug	Roof
<i>Popillia japonica</i>	Japanese beetle	Mass® for Popilia
<i>Prays citri</i>	Citrus fruit moth	Traptest®
<i>Prays oleae</i>	Olive tree moth	Traptest®
<i>Pseudaulacaspis pentagona</i>	Peach tree white scale moth	Roof
<i>Pseudococcus comstocki</i>	Peach Mealy Bug	Roof
<i>Ptycholoma lecheana</i>	Pticoloma	Traptest®
<i>Rhagoletis cerasi</i>	Cherry fly	Wing
<i>Rhagoletis completa</i>	Walnut fly	Wing

SCIENTIFIC NAME	COMMON NAME	TRAP
Sparaganothis pilleriana	Grapevine twister	Traptest®
Spilonota ocellana	Reddish budworm	Traptest®
Synanthedon myopaeformis	Apple tree fern	Traptest®
Synanthedon tipuliformis	Currant fern	Traptest®
Synanthedon typhiaeformis	Apple tree fern	Traptest®
Thaumatotibia leucotreta	False Cydia	Traptest®
Zeuzera pyrina	Yellow rhododendron	Mass® Large without fins

POPLAR CULTIVATION AND FORESTRY

SCIENTIFIC NAME	COMMON NAME	TRAP
Gypsonoma aceriana	Poplar budworm	Traptest®
Lymantria dispar	Lymantria dispar	Traptest®
Lymantria monacha	Monaca	Traptest®
Paranthrene tabaniformis	Poplar hornworm	Traptest®
Rhyacionia buoliana	Pine budworm	Traptest®
Tortrix viridana	Green oak tortrix	Traptest®
Traumatocampa pityocampa	Pine processionary moth	Mass® Large with fins
Zeiraphera diniana	Grey larch tortrix	Traptest®



ECODIAN® LINE

Pheromone diffusers for
sexual disorientation



ECODIAN® CARPOCAPSA
ECODIAN® CIDIA
ECODIAN® COMBI
ECODIAN® CT
ECODIAN® STAR



ECODIAN®

THE DISORIENTATION TECHNIQUE

Sexual distraction is a technique for the integrated control of populations of phytophagous insects harmful to agricultural crops.

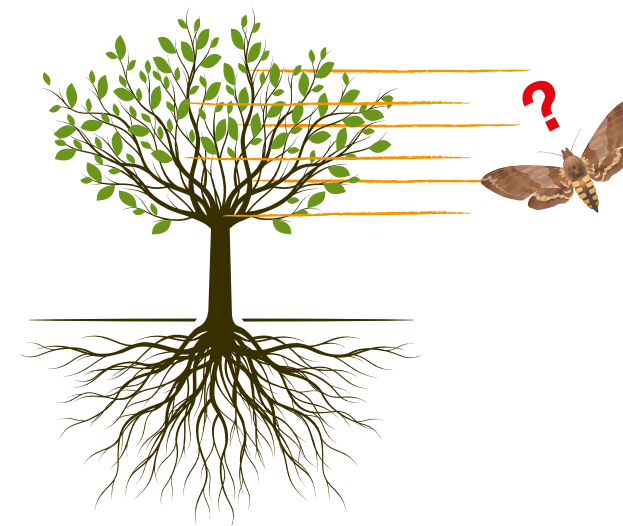
It uses specific pheromones that prevent the opposite sex from meeting, thus interrupting the generation cycle of the target insect.

This method is an alternative to chemical pest control and can be used in all integrated production systems with a low environmental impact and in all organic farming systems. Moreover, by using pheromones selected for a particular species, it does not disturb other useful insects such as pollinators and natural predators.

ECODIAN® technology is based on the use of 'sexual disorientation' as a means of sexual distraction. This technique, compared to other methods, uses a very low amount of pheromone and consists of creating 'false trails' that the male insect follows in a vain attempt to find the female.

The 'disorientation' does not saturate the environment, is more adaptable to smaller plots and does not risk resistance from the insect which might otherwise adapt, making the system less effective.

ECODIAN®



There are 2 types of **Ecodian®** products:

- **Ecodian®** hook: these are hook-shaped pheromone dispensers to be hung on the branches and branches of plants in the orchard.

- **Ecodian®** wire: is a pheromone-soaked wire that is 'spread' along the rows of the crop to be protected or hung from tall trees.

All **Ecodian®** products are made of biodegradable plastic. They do not require removal from the field at the end of the season and are fully compostable.



ECODIAN® CARPOCAPSA



Pheromone diffuser for sexual disorientation of *Cydia pomonella*

This number should be increased to 2500-3000 per hectare with high populations, tall and vigorous plants.

ECODIAN® CARPOCAPSA consists of pheromone dispensers made from biodegradable and compostable plastic that does not require removal and disposal at the end of the season.

In orchards with **ECODIAN® CARPOCAPSA** should be monitored with CARPO or CARPO+ for *Cydia pomonella*.

This allows you to monitor the progress of the system by installing the monitoring traps before the start of the wintering generation flights. The control of the traps is very important and must be carried out meticulously.

The absence of catches indicates that disorientation conditions have occurred and persist.

ECODIAN® CARPOCAPSA eliminates and/or minimises mating by *Cydia pomonella*, the apple carpocapsa, using the sexual disorientation technique.

The activity of **ECODIAN® CARPOCAPSA** spreaders is influenced by climatic parameters, under normal climatic conditions it lasts about 60/75 days.

RECOMMENDATIONS FOR USE

ECODIAN® CARPOCAPSA should be applied before the beginning of the flight of the first generation of Carpocapsa (overwintering generation), following the indications of the forecast models provided by the Phytosanitary Services and/or coinciding with the very first catches in the Carpocapsa pheromone traps. The application of the dispensers from the second generation of Carpocapsa (beginning of the second flight) can only be carried out if there is no damage to the fruit (oviposition and/or larval penetration) from the chemically controlled first generation.

Apply the diffusers **ECODIAN® CARPOCAPSA** on branches in the upper third of the tree, in shaded areas if possible, taking care to distribute the product evenly, and also protecting uncovered areas such as fallows, corridors and breeding plants.

In order to be effective, the number of spreaders should be sufficient to compete with the females in the orchard and minimise the likelihood of males detecting their calls.

The minimum number of **ECODIAN® CARPOCAPSA** diffusers required for each application is 2000 per hectare;

Authorization Ministry of Health n° 12936 of 07.11.2005.



PACKAGING

ECODIAN® CARPOCAPSA

CODE

P-25016INFCP

CONTENT

1 CASE:
1000 light-blue hook diffusers,
in biodegradable material

ECODIAN® CEDIA

Pheromone diffuser for sexual disorientation of *Cydia (Grapholita) molesta*

very important and must be carried out meticulously. The absence of catches indicates that disorientation conditions have occurred and persist.

ECODIAN® CEDIA consists of pheromone dispensers made of biodegradable and compostable plastic that does not require removal and disposal at the end of the season.

The activity of **ECODIAN® CEDIA** is influenced by climatic parameters, under normal climatic conditions it lasts for approximately 50 to 60 days.

ECODIAN® CEDIA eliminates and/or minimises mating by *Cydia (Grapholita) molesta*, Eastern Peach Moth, using the technique of sexual disorientation.

RECOMMENDATIONS FOR USE

ECODIAN® CEDIA should always be applied before the beginning of the flights, following the indications of the forecast models provided by the Phytosanitary Services and/or coincide with the very first catches in the pheromone traps.

Apply diffusers **ECODIAN® CEDIA** on branches in the upper third of the tree, in shaded areas if possible, taking care to distribute evenly, also protecting uncovered areas such as fallows, corridors and breeding plants.

In order to be effective, the number of spreaders should be sufficient to compete with the females in the orchard and minimise the likelihood of males detecting their calls.

The minimum number of **ECODIAN® CEDIA** required for each application is 2000 per hectare; This number should be increased to 2500-3000 per hectare with high populations, tall and vigorous plants.

In orchards with **ECODIAN® CEDIA** should be monitored with **TRAPTEST®** for *Cydia (Grapholita) molesta*. This will allow the system to be monitored by installing monitoring traps prior to the start of flights. The control of the traps is

Authorization Ministry of Health n° 11554 of 20.01.2003



PACKAGING

ECODIAN® CEDIA

CODE

P-25016INFCM

CONTENT

1 CASE:
1000 grey hook diffusers,
in biodegradable material

ECODIAN® COMBI

Pheromone diffuser for sexual disorientation of *Cydia (Grapholita) molesta* and *Anarsia lineatella*

In orchards with **ECODIAN® COMBI** TRAPTEST monitoring should be carried out for *Cydia (Grapholita) molesta* and *Anarsia lineatella*. This will allow the system to be monitored by installing monitoring traps prior to the start of flights. The control of the traps is very important and must be carried out meticulously. The absence of catches indicates that disorientation conditions have occurred and persist.

The activity of **ECODIAN® COMBI** is influenced by climatic parameters, under normal climatic conditions it lasts for approximately 50 to 60 days.

ECODIAN® COMBI consists of pheromone dispensers made from biodegradable and compostable plastic that does not require removal and disposal at the end of the season.

ECODIAN® COMBI eliminates and/or minimises mating by *Cydia (Grapholita) molesta*, Eastern Peach Moth and *Anarsia lineatella*, Peach Moth, using the sexual disorientation technique.

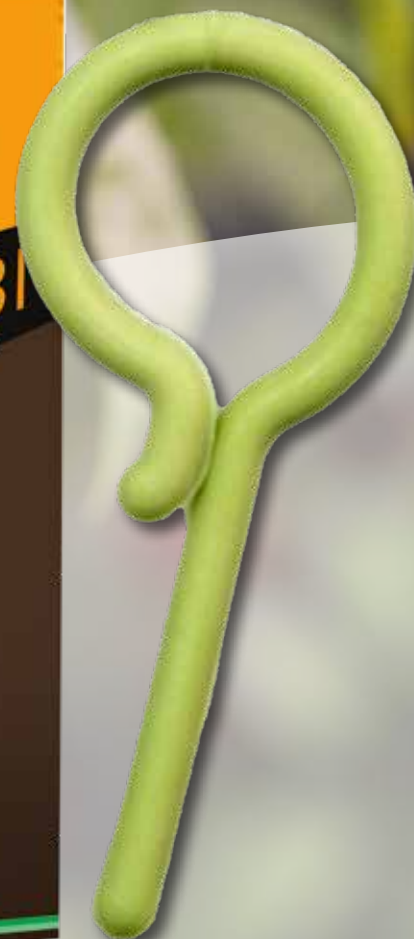
RECOMMENDATIONS FOR USE

ECODIAN® COMBI should always be applied before the start of the flights, following the indications of the forecast models provided by the Phytosanitary Services and/or coincide with the very first catches in the pheromone traps. Considering that the first flight of *Cydia* is earlier than that of *Anarsia*, it is recommended to apply **ECODIAN® COMBI** at the beginning of the flight of the first generation of *Anarsia*, ensuring that the first generation of *Cydia* has been controlled.

Apply the **ECODIAN® COMBI** diffusers on the upper third of the branches in shaded areas if possible, taking care to distribute them evenly, also protecting uncovered areas such as fallows, corridors and breeding plants. In order to be effective, the number of spreaders should be sufficient to compete with the females in the orchard and minimise the likelihood of males detecting their calls.

The minimum number of **ECODIAN® COMBI** diffusers required per application is 2000 per hectare; This number should be increased to 2500-3000 per hectare with high populations, tall and vigorous plants.

Authorization Ministry of Health n° 13085 on 12.03.2009.



PACKAGING	CODE	CONTENT
ECODIAN® COMBI	P-25016INFCO	1 CASE: 1000 green hook diffuser, in biodegradable material

ECODIAN® CT

Pheromone wire diffuser for disorientation sexual disorientation of Chestnut Tree Nits

The amount of wire to be installed per hectare is approximately 900 metres, depending on the type of chestnut grove.

The life of the diffuser is influenced by climatic parameters, in particular temperature, wind and level of exposure to sunlight. Under normal climatic conditions it lasts 70-80 days.

ECODIAN® CT is a pheromone diffusing wire made from biodegradable bio-plastic for the sexual disorientation of *Cydia splendana* and *Cydia fagiglandana* (Chestnut lice). The **ECODIAN® CT** diffusing wire is made from biodegradable material impregnated with specific pheromones. The wire releases the synthetic analogue of the specific pheromones for these insects into the environment.

In the case of newly planted, intensive chestnut groves with regular rows and spacing, the wire can be placed horizontally along the rows at an approximate height of 3-3.5 metres (first branch), maintaining the recommended dosage of 900 m/ha. It is also advisable to install pieces of wire along the outer perimeter of the chestnut grove.

RECOMMENDATIONS FOR USE

ECODIAN® CT should be installed before the start of the flights of the two species, i.e. from mid-June to early July. It is advisable to install traps model **Traptest®** in the plot subjected to disorientation to monitor the consistency of phytophagous flights.

The device (wire) appropriately cut into segments of approximately 6 metres in length, should be attached to the branches as high as possible, (recommended using a telescopic pole). The segments should be installed as evenly as possible across the plot.

pending registration



PACKAGING

ECODIAN® CT

CODE

P-25016INFCT

CONTENT

1 spool with 100 m red wire in biodegradable material

ECODIAN® STAR

Pheromone diffuser for the sexual disorientation of *Cydia pomonella* and *Cydia (Grapholita) molesta*

In orchards with **ECODIAN® STAR, CARPO** or **CARPO+** monitoring should be carried out for *Cydia pomonella* and **TRAPTEST®** for *Cydia (Grapholita) molesta*. This allows you to monitor the progress of the system by installing the monitoring traps before the start of the wintering generation flights.

The control of the traps is very important and must be carried out meticulously. The absence of catches indicates that disorientation conditions have occurred and persist.

The activity of **ECODIAN® STAR** diffusers is influenced by climatic parameters, under normal climatic conditions it lasts for approximately 60/75 days.

ECODIAN® STAR consists of pheromone dispensers made from biodegradable and compostable plastic that does not require removal and disposal at the end of the season.

ECODIAN® STAR eliminates and/or minimises mating by *Cydia pomonella*, the Apple Tree Moth, and *Cydia (Grapholita) molesta*, the Peach Tree Moth, using the sexual disorientation technique.

RECOMMENDATIONS FOR USE

ECODIAN® STAR should be applied before the beginning of the flight of the first generation of *Carpocapsa* (overwintering generation), following the indications of the forecast models provided by the Phytosanitary Services and/or coincide with the very first catches in *Carpocapsa* pheromone traps.

The application of the dispensers from the second generation of *Carpocapsa* (beginning of the second flight) can only be carried out if there is no damage to the fruit (oviposition and/or larval penetration) from the chemically controlled first generation.

Apply the **ECODIAN® STAR** dispensers to the upper third of branches in shaded areas if possible, taking care to distribute evenly, also protecting uncovered areas such as fallows, corridors and breeding plants.

In order to be effective, the number of spreaders should be sufficient to compete with the females in the orchard and minimise the likelihood of males detecting their calls.

The minimum number of diffusers **ECODIAN® STAR** required for each application is 2000 per hectare; This number should be increased to 2500-3000 per hectare with high populations, tall and vigorous plants.

Authorization Italian Ministry of Health n° 12839 on 28.11.2006.



PACKAGING

ECODIAN® STAR

CODE

P-25016INFST

CONTENT

1 CASE:
1000 red hook diffusers,
in biodegradable material



NOTES

A series of horizontal dotted lines for writing notes.