



new**pharm**

A blue-tinted photograph of two scientists in a laboratory. They are wearing white lab coats and hairnets. The scientist on the left is holding a folder with a graph, while the scientist on the right is holding a tablet. They are both looking down at the data. The background shows a blurred laboratory setting with overhead lights.

**Our contribution
for a better
future**



New History

A future rich of history

New Identity

New is our DNA

New Group

Together to make a difference

New Business Units

Innovation in order to grow in every sector

New Consciousness

Know-how and consciousness go alongside

New Quality

I nostri brand e partners

New Professionals

Innovative solutions for the professionals of the future

New Communication


Useful and functional tools for your job

New IPM strategies

Targeted programs for pest control operators

New Catalogue

Legend and Symbols



Insecticides and acaricides

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Insect monitoring accessories

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Rodenticides and stations

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Bitecare[®] endoinfusion

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Insecticides and acaricides



Insecticides acaricides

Larvicides

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Adulticides

Concentrated

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Ready-to-use

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Focus Mosquitorex®

A real innovation.

The innovation in mosquito larvae control comes from nature: a new plant-based larvicide with a physical-mechanical action to be distributed directly in larval proliferation sites in stagnant water. If physical action represents the novelty, the creation of MOSQUITOREX® represents the innovation.

A mixture of natural ingredients, in full accordance with Newpharm®'s philosophy.

Natural matrices

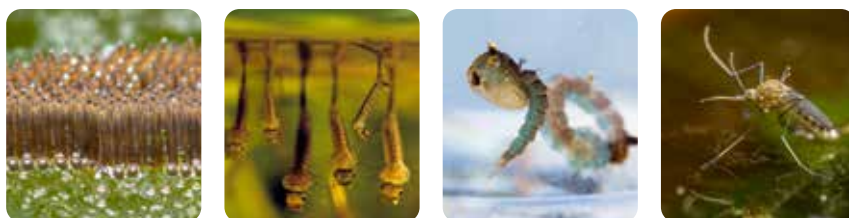
Natural matrices are used to avoid negative impact on the surrounding environment, beneficial insects, aquatic organisms, and flora. While the current approach involves applying synthetic chemical larvicides, which act on the larval development, the brand new MOSQUITOREX® creates a physical barrier on the water surface, through which the oxygen cannot pass. Unable to breathe, larvae drown.

Thanks to MOSQUITOREX®, any urban larval outbreak in marsh, brackish water or domestic water collectors can be eliminated without consequences for the ecosystem.



As regards the biodegradability of the larvicide, Newpharm® has conducted a lot of research on the matter to break into the market with a unique, innovative, and futuristic formulation, which does not affect biological communities and their habitat. Physical-chemical characteristics of water are not modified in any way: therefore, no changes occur to aquatic flora and fauna.

Not by chance, MOSQUITOREX® is based on widespread plant ingredients, and it is free of silicones, inorganic components, and other chemicals with disputable biodegradable property.



The physical action is instantaneous, and it lasts for three weeks approximately. While chemical larvicides could lead to the generation of outbreaks resistant to the active substance if used improperly, with MOSQUITOREX® this risk is avoided.



Larvae on the water surface

Anopheles (*Anopheles* spp.) and Culicinae are the two most important subfamilies of the Culici (mosquitoes), whose larvae complete their development on the water surface to breathe atmospheric oxygen. Anopheles' respiratory structures are positioned throughout the body, whereas Aedes e Culex get atmospheric oxygen through a typical caudal siphon.



Mosquitorex®

READY-TO-USE LIQUID WITH PHYSICO-MECHANICAL ACTION FOR MOSQUITO PUPAE AND LARVAE CONTROL

MOSQUITOREX® is an innovative ready-to-use liquid for mosquito pupae and larvae control in stagnant waters. Made of oils and substances of vegetable origin, this product acts on treated water by instantly creating a thin and uniform film. The low-surface tension of the film prevents both the mosquito larvae from breathing and the female mosquitoes from depositing their eggs, thus causing them to drown.

Free of silicones and active substances with insecticide action, the product does not alter the physico-chemical characteristics of water and represents a physical obstacle to the reproductive capacity of mosquitoes.

Besides being effective (100% of larvae dies in less than 48 hours) and long-lasting (it can persist up to 4 weeks), MOSQUITOREX® is not harmful to the environment since its ingredients are biodegradable.

DOSAGE AND APPLICATIONS

MOSQUITOREX® prevents larval development outbreaks in civil and urban environments: it is to be applied in stagnant and still water where mosquitoes could develop (manholes, storm drains, plant saucers, containers, tires, rain gutter, septic tanks, cisterns and rainwater collector tanks, drainage channels, water bodies, etc.). Shake well before using; then, apply 1-5 mL of the product for m² of water surface. Repeat the treatment after 2-4 weeks if necessary.



COMPOSITION

Oils and substances of vegetable origin



- ✔ Vegetable origin
- ✔ High biodegradability
- ✔ Eco friendly
- ✔ Silicon free

FIELDS OF USE



TARGET PESTS

Effective for larval control of any kind of mosquitoes, especially *Culex pipiens* and *Aedes albopictus*.



SINGLE DOSE VIALS

Qty: 24 pcs x 50 mL
10 vials of 5 mL



BOTTLE

Qty: 12 pcs x 1 L



TANK

Qty: 1 pc x 10 L



Blucyp® EC

PYRETHROID INSECTICIDE IN CONCENTRATED EMULSION

BLUCYP® EC is an insecticide in concentrated emulsion formulated with environmentally friendly solvents and emulsifiers. Activated by contact and ingestion, this product has a rapid and lasting knock-down effect.

COMPOSITION

Pure Cypermethrin:
10 g (= 90 g / L)

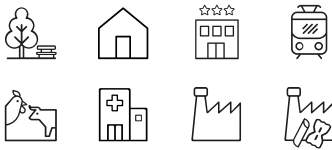
DOSAGE AND APPLICATIONS

The product must be diluted before using in a ratio of 50 mL every 5 L of water. The solution obtained is sufficient to treat a 100 m² surface. To be used with pressure pumps (e.g., hand sprayers) or atomizers according to the type of application.

ADVISED EQUIPMENT

✱ Solo 416LI
Solo 452-03

FIELDS OF USE



TARGET PESTS

Crawling insects: cockroaches, ants.

Flying insects: flies (also stable fly), mosquitoes (Asian tiger and common mosquitoes), wasps (nests included), etc.



BOTTLE

Qty: 12 pcs x 1 L



TANICA

Qty: 4 pcs x 5 L



Veloxidin®

CONCENTRATED EMULSIFIABLE INSECTICIDE

VELOXIDIN® is a brand-new concentrated insecticide with residual knock-down action, which results particularly effective against all types of insects that are commonly present in civil and domestic environments, despite their increased resistance to traditional chlorinated or organophosphate insecticides.

COMPOSITION

Pure Cypermethrin (40/60):
6 g (= 57 g / L)
Pure Tetramethrin: 1 g (= 9.5 g / L)
Pure Piperonyl butoxide:
15 g (= 142.5 g / L)

DOSAGE AND APPLICATIONS

Low pressure pumps (✱):

Fly control: dilute 100 - 200 mL of the product in 10 L of water

Mosquito control: dilute 50-100 mL of the product in 10 L of water

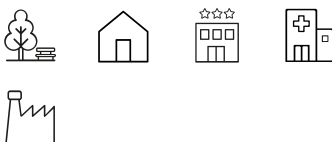
Crawling insect control: dilute 200 - 300 mL of the product in 10 L of water

Nebulize the obtained solutions on walls, floors, or surfaces to cover uniformly 80/100 m² surface.

ADVISED EQUIPMENT

✱ Solo 416LI
Solo 452-03

FIELDS OF USE



TARGET PESTS

Flying: flies, mosquitoes, ants, fleas.

Crawling: cockroaches.

Mites: ticks.



BOTTLE

Qty: 12 pcs x 1 L



TANK

Qty: 4 pcs x 5 L



Linea Nuvex® Fog C/F

READY-TO-USE INSECTICIDE

Ready-to-use pyrethrum-based liquid insecticide for the control of flying and crawling insects. As its solvent-free and microemulsion water-based formulation is odourless, this product is perfectly suitable for indoor use and fly control in zootechnical environments. It can be used on turfs, hedges, bushes, tree-lined avenues for the mosquito control only.

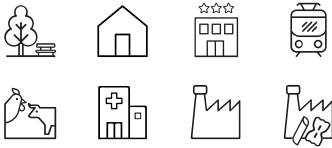
COMPOSITION

Pure Pyrethrins: 0.125 g
(50% pyrethrum extract:
0.25 g)

ADVISED EQUIPMENT

- * Solo 456 Pro
- Solo 416 Li
- Solo 425 Pro
- Solo 433 Pro
- Solo 452-03
- * Vectorfog C150+
- Pulsfog Turbo ULV
- Tank Aer-San®
- Thermal Foggers

FIELDS OF USE



TARGET PESTS

Flying insects: flies, common and Asian tiger mosquitoes.

Crawling insects: cockroaches and ants.

Foodstuffs and stored food pests

DOSAGE AND APPLICATIONS

To be used as it is in hot and cold state (* - *).

Mosquitoes, cockroaches, ants, foodstuffs, and stored food pests: 30 mL/m² surface.

Fly control direct treatments on the insect: 80 mL/m² surface. Spray on the treated surfaces, in cracks, corners, behind furniture or equipment, and wherever insects can be found. For the treatments of green areas, it is recommended to wet uniformly the vegetation avoiding dripping.

Let dry after use.

Thermal foggers



TANK

Qty: 4 pcs x 5 L
with trigger extension



TRIGGER EXTENSION

Qty: 3 pcs x 1



Blucyp® DP

POWDER INSECTICIDE

This odourless powder insecticide is activated by contact and ingestion and **should be used as it is or diluted in water**. BLUCYP® DP provides a quick and lasting solution against the infestations of crawling insects such as cockroaches, ants, silverfish, stink bugs, scarab beetles, and for the treatment of wasp nests. It can be used in domestic and civil environments.

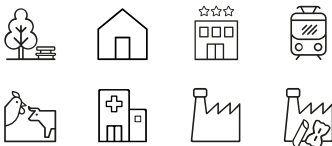
COMPOSITION

Pure Cypermethrin: 0.25 g

ADVISED EQUIPMENT

- * Solo 402 Pro
- Solo 456 Pro
- PCO Sprayer

FIELDS OF USE



TARGET PESTS

Crawling: cockroaches, ants, silverfish, stink bugs, scarab beetles, wasps.

DOSAGE AND APPLICATIONS

Indoor use: use the product as it is in a ratio of ~ 10 g / m² in cracks and crevices, behind furniture and household appliances, along baseboards, under sinks, sofas, carpets, and kennels. Repeat the application if necessary.

Outdoor use: use the product as it is in a ratio of ~ 10 g / m² in areas around livestock shelters, sidewalks, garages, waste containers and any place where insects can settle. The product can also be distributed by spraying on the surfaces by diluting 25-50 g in 5 L of water, depending on the infestation stage.

Ant nests: use the product as it is in the nest entrance. Repeat the treatment if necessary. The product can also be distributed by spraying on the nest by diluting 25-50 g in 5 L of water, depending on the infestation stage.

Wasp nests: use the product as it is around the nest. Carry out the treatments only in the early evening.



BAG

Qty: 12 pcs x 1 Kg



Blucyp® RTU

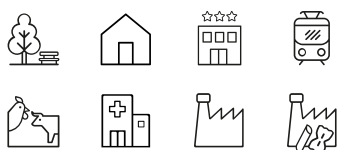
READY-TO-USE PYRETHROID INSECTICIDE FOR THE CONTROL OF FLYING AND CRAWLING INSECTS, FOR THE DOMESTIC, CIVIL AND ZOOTECHNICAL FIELDS.

COMPOSITION

Pure cypermethrin:
0,1 g (=1 g/L)

BLUCYP RTU is a ready-to-use insecticide activated by contact and ingestion, meant for the disinfection of flying and crawling insects. The product can be used indoor and outdoor in different places, such as: residential buildings, civil buildings and public-private industrial buildings: e.g. offices, hotels, stores, hospitals (excluding the occupied wards), town halls, schools, barracks, service areas, yards, warehouses, harbors and airports, train stations; food industry and food processing areas: kitchens (restaurants and retails), dairies, abattoirs, retail stores, meat-packing plants, supermarkets, food warehouses; zootechnical areas and spaces: sheds, agricultural buildings, transit areas for animals, mills, empty granaries, etc.; landfills and waste storage areas, means of transport: buses, ships, trucks, trains without passengers, green areas only for mosquitoes control: hedges, bushes, meadows, tree-lined avenues. BLUCYP RTU is a quick and long-lasting product that remains effective up to 4 weeks from the treatment.

FIELDS OF USE



TARGET PESTS

Cockroaches, ants, flies (also horsefly), mosquitoes (tiger and common mosquitoes), wasps, etc.

DOSAGE AND APPLICATIONS

It is a ready-to-use product that can be used against flies, mosquitoes, wasps and other insects indoors, paying attention to spray the product over the critical areas such as windowsills, windows, glass surfaces, walls, under sinks, along the baseboards, beams, wall corners, under radiators, etc. It can be used against cockroaches, ants, and other crawling insects: spray the product over the critical areas, such as corners, crevices, fissures, wall cracks or stalls. It can also be used to control mosquitoes' diffusion in the outdoor places, such as city parks, gardens, hedges, turfs and tree-lined avenues.

The suggested dosage is 50 mL per sqm.



TRIGGER

Qty: 12 pcs x 750 mL



Labiogard

INSECTICIDE AGAINST FLYING AND CRAWLING INSECTS

COMPOSITION

Pure tetramethrin: 0.25 g
Pure cypermethrin (40/60 cis / trans): 0.20 g
Piperonyl butoxide: 1.00 g

LABIOGARD is a newly developed insecticide containing tetramethrin and cypermethrin: the combination of these two insecticide principles grants both a knockdown and residual effect. LABIOGARD rapidly kills winged and crawling insects such as flies, common mosquitoes and tiger mosquitoes, wasps, ants, cockroaches, fleas, ticks, mites, etc. LABIOGARD can be used in hospitals, barracks, cinemas, means of transport, houses, restrooms, etc.

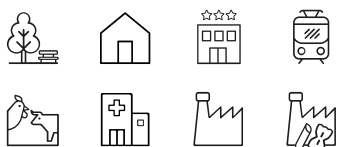
DOSAGE AND APPLICATIONS

Close doors and windows and spray the product upwards and away from people for 4/5 seconds in medium-sized environments. Leave on for 20 minutes, then open doors and windows to aerate. For a longer-lasting action against winged or crawling insects, spray on roller shutters, sills, jambs, floor edges and ceilings.

CHARACTERISTICS

Spray can with straw included

FIELDS OF USE



TARGET PESTS

Flying insects: flies, common and tiger mosquitoes, wasps.

Crawling insects: ants, fleas, ticks, cockroaches, mites



BOTTLE

Qty: 12 pcs x 500 mL



LABSPRAY

INSECTICIDE AGAINST FLYING AND CRAWLING INSECTS

LABSPRAY rapidly eliminates winged and crawling insects such as flies, common and Asian tiger mosquitoes, wasps, ants, cockroaches, fleas, ticks, mites, etc. Thanks to the combination of two active substances with knockdown action (natural Pyrethrum) and residual insecticidal effect (Cypermethrin), LABSPRAY can be used in bars, houses, restaurants, hospitals, barracks, cinemas, livestock farming, kitchens, restrooms etc.

COMPOSITION

Pure cypermethrin (40/60 cis / trans): 0.19 g
Pure pyrethrins: 0.25 g
Pure piperonyl butoxide: 0.90 g

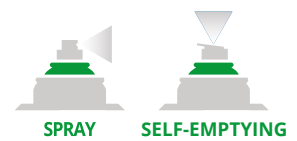
DOSAGE AND APPLICATIONS

Close doors and windows and spray the product upwards and away from people for 4/5 seconds in medium-sized environments. Leave on for 20 minutes, then open doors and windows to aerate. For a longer-lasting action against winged or crawling insects, spray on roller shutters, sills, jambs, floor edges and ceilings. Avoid an excessive and improper use of the product.

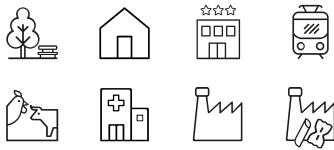
CHARACTERISTICS

Self-emptying nozzle
+ spray nozzle

DOUBLE DISPENSING



FIELDS OF USE



TARGET PESTS

Flying insects: flies, common mosquitoes and tiger mosquitoes, wasps.

Crawling insects: ants, fleas, ticks, cockroaches, mites.



BOTTLE

Qty: 12 pcs x 150 mL



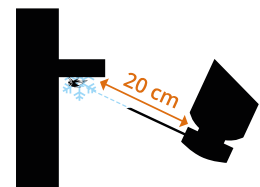
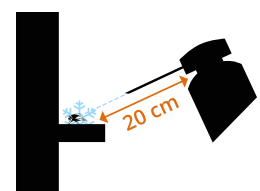
Frio Spray

FREEZING AEROSOL

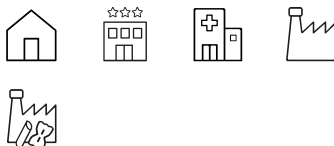
Thanks to the cold thermal technology, this ready-to-use aerosol immobilizes crawling and flying insects and leads them to death by hypothermia after a few seconds. Ideal for the protection of small and medium-sized environments, this product is harmless for people, non-target pests and the environment.

DOSAGE AND APPLICATIONS

Apply the product directly on the insect at 10-20 cm until it is completely frozen (a white frost will appear on its back). Use the most appropriate dispenser depending on the target pest (in the case of particularly lightweight insects, use the spray head carefully to avoid sweeping them away).



FIELDS OF USE



TARGET PESTS

Crawling: cockroaches, stink bugs, bed bugs, ants, flies, spiders, moths, wasps, silverfish.



BOTTLE

Qty: 12 pcs x 500 mL

FOCUS Linea Flyrex®

Ecological fly traps

FLYREX® NEW traps for the mass capture of flies and blowflies are activated with the **completely ecological** FLYREX® NEW bait, which has been studied and developed by Newpharm® R&D department. This bait represents a real innovation for the civil and livestock sector, where the necessity of limiting the use of synthetic fly-killing products is growing. **As only food matrices are used, this bait stands out for its quality and sensitivity towards the environment.**

FLYREX® traps can be used in livestock environments or food industries with a modern approach to fly control, where the concept of integrated pest management is fundamental.

Directions for use

Place the traps outside the stables or food industry premises at one and a half meters from the ground and away from organic sources that could affect the process. These traps have a strong and persistent attractant power that can attract all fly species up to two months.

- 

1 Pour FLYREX® NEW Granules into the FLYREX® TRAP (M or L)
- 

2 Add water and mix well
- 

3 Hang or place 150 cm

Adult flies perceive the scent released by the FLYREX® NEW bait from a long distance and they are induced to enter the trap through the special one-way entry cones. Once the bait is full, remove the inner organic content and repeat the operations described above to reset the trap.



Perfect for industrial environments

After pouring the right amount of FLYREX® NEW bait granules into the trap, add the correct quantity of water to activate the capture system in a few hours.



Fly Box
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Fly Bag
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Trap M
Page 52



Flyrex® New

ATTRACTANT GRANULAR BAIT FOR FLIES TO BE USED WITH FLYREX® TRAP OR OTHER CONTAINERS

Thanks to its special formulation with food-based substances, FLYREX® NEW attracts different species of flies and blowflies from considerable distance, creating real gathering points. It represents an ideal solution for both zootechnical contexts (stables, horse stables and animal shelters in general) and civil environments (food industries, campsites, landfills, farmhouses, holiday villages, etc.).

Used in organic farming according to EU regulation 834/2007.

COMPOSITION

Food additives: 100%

DOSAGE AND APPLICATIONS

This bait is to be placed outside zootechnical shelters or buildings and sufficiently far apart from sources that may affect its attractant power (manure heaps, sewage pits, fermenting organic heaps). The goal is to create a protective fence around the buildings by placing the traps at 10-15 m from one another.

FLYREX® TRAP reaches its maximum efficacy after 2-5 days from activation and remains effective for 30-60 days depending on light exposure, temperature, air streams, location, and weather conditions. At the end of the indicated period, remove the content from the containers and reactivate them with a new FLYREX® NEW bait.



OPERATIVE SOLUTIONS

With FLYREX NEW two operative solutions are possible:

FLYREX® TRAP M and FLYREX® TRAP L.

FLYREX® TRAP M ensures a coverage of 100-150 m², while FLYREX® TRAP L covers 200-300 m².

M 📦 = 100 g FLYREX® NEW + 💧 1,5-2 liters of water*

L 📦 = 200 g FLYREX® NEW + 💧 5 liters of water*

✔️ Eco-friendly

✔️ Effective up to 60 days

FIELDS OF USE



TARGET PESTS

Houseflies (*Musca domestica*), little house fly (*Fannia canicularis*), stable fly (*S. calcitrans*), common green bottle fly (*Lucilia spp.*), blue bottle flies (*Calliphora spp.*), flesh fly (*Sarcophaga carnaria*).



ATTRACTANT

Qty: 24 pcs x 50 g

ATTRACTANT

Qty: 12 pcs x 200 g



TRAP M

Qty: 4 pcs x 5 L

TRAP L

Qty: 5 pcs x 10 L



Talparex®

MOLE REPELLENT

Practical Geraniol-based sticks aimed to repel moles overrunning the gardens. The strong scent emitted harmlessly bothers moles and induces them to definitively leave the site on their own initiative.

DOSAGE AND APPLICATIONS

Gently turn over the soil until you see the entrance to the tunnel from which the moles come out. Gently insert the stick into the tunnel and place it as deep as possible, then cover delicately the entrance to the tunnel without stepping on the clods.

Careful and continuous monitoring is necessary to evaluate the appearance of new clods that will be treated in the same way until the infestation is completely stopped.

COMPOSITION

Contains Geraniol

- ✔ Practical Geraniol-based sticks
- ✔ Harmless for moles
- ✔ Applicable all year round
- ✔ Repelling moles from the site permanently



BOX

Qty: 12 pcs x 80 g



Reptiles Repellent

CONCENTRATED LIQUID REPELLENT

This liquid product, based on aromatic substances, is used to repel reptiles naturally. The product can be applied where needed in presence of reptiles (grass snakes, lizards, snakes, etc.) in lawns, flowerbeds, gardens, terraces, wood stacks, camping sites and outdoors areas in general.

COMPOSITION

Contains Geraniol

DOSAGE AND APPLICATIONS

The concentrated solution must be diluted into water before use as follows: 100 mL into 2L of water. Apply over the affected areas and repeat the treatment every 2/3 days if needed.

Rains and irrigation can reduce the efficacy of the treatment.



BOTTLE

Q.tà: 12 X 1 L



Insect monitoring accessories





Control and monitoring of crawling insects

<i>Insects Limited</i> All Beetle Trap	p. 18
<i>Insects Limited</i> All Beetle Trap Kit RTU	p. 19
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<i>Insects Limited</i> Kit All Beetle Trap Gel Cartridge RTU	p. 20
<i>Insects Limited</i> All Beetle Dermestidae Beetles	p. 20

Control and monitoring of flying insects

<i>Insects Limited</i> Moth suppression	p. 21
Cimirex Trap	p. 22
Cimirex Trap Maxi	p. 23

Insects Limited

All Beetle Trap

MODULAR CRAWLING INSECT TRAP

All Beetle Trap is a professional dust-resistant trap for monitoring and capturing crawling arthropods of foodstuffs. Depending on the target insect, the trap must be activated with one of the triggers shown in the following table "Pheromones and attractants for crawling insects".

DIMENSIONS

10 x 10 x 2 cm

DIRECTIONS FOR USE

For foodstuff insects monitoring, place the traps wherever insect presence is suspected or expected. Use of gloves while handling pheromones and food attractants is recommended to ensure that their efficacy is not impaired.

CHARACTERISTICS

Beetle trap



TRAP COMPONENTS:

COVER, BASE AND TRAY

Polypropylene base and large transparent cover for easy inspection.

REPLACEABLE TRAY

Tray to assemble with the trap base and to activate with the desired attractant (multispecies gel or species-specific pheromone).


STICKY BOARD (OPTIONAL)

Sticky panels to place on the tray to make monitoring quicker and easier.

FIELDS OF USE



Product	Pest	Code	Quantity
Pheromone	<i>Tribolium</i> spp.	8050301	10 pcs x 1
Pheromone	<i>Trogoderma</i>	8050327	10 pcs x 1
Pheromone	<i>Sitophilus oryzae</i> , <i>Sitophilus zeamays</i>	8050331	10 pcs x 1
Pheromone	<i>Rhyzopertha dominica</i>	8050333	10 pcs x 1
Pheromone	<i>Plodia interpunctella</i> , <i>Trogoderma</i> spp., <i>Lasioderma serricone</i>	8050321	10 pcs x 1

 **TRAP cover+base+tray**
Qty: 10 pcs x 1

 **Replaceable TRAY**
Qty: 10 pcs x 1

 **STICKY BOARD optional**
Qty: 10 pcs x 1

Insects Limited

All Beetle Trap Kit RTU

READY-TO-USE KIT FOR CRAWLING INSECTS

This beetle trap consists of a polypropylene base, a large and completely transparent cover to grant a rapid inspection, and a catch tray for the chosen attractant.

DIMENSIONS

10 x 10 x 2 cm

APPLICATION METHODS

For foodstuff insects monitoring, place the traps wherever insect presence is suspected or expected. Use of gloves while handling pheromones and food attractants is recommended to ensure that their efficacy is not impaired.

Hook the tray to the trap base after having poured the gel or the food tablet.

FIELDS OF USE



Insects Limited

All Beetle Trap Gel

READY-TO-USE GEL KIT FOR CRAWLING INSECTS

Balanced mixture of gel pheromones for the capture of flour beetles (*Tribolium spp.*), tobacco beetles (*Lasioderma serricorne*), warehouse beetles (*Trogoderma variable*), rice weevils (*Sitophilus oryzae*), sawtoothed grain beetles (*Oryzaephilus surinamensis*) and 20 other species of foodstuffs pest.



TRAP KIT

Qty: 10 pcs x 1

REFILL GEL

Qty: 10 pcs x 1

REPLACEABLE TRAY

Qty: 10 pcs x 1



Insects Limited

All Beetle Trap SPB

READY-TO-USE KIT WITH TABLET FOR CRAWLING INSECTS

This food tablet contains pheromones and food attractants for the capture of over 20 species of foodstuff pests, including flour beetles (*Tribolium spp.*), tobacco beetles (*Lasioderma serricorne*), warehouse beetles (*Trogoderma variable*) and rice weevils (*Sitophilus oryzae*).

TRAP KIT

Qty: 10 pcs x 1

TABLET

Qty: 10 pcs x 1

REPLACEABLE TRAY

Qty: 10 pcs x 1



Insects Limited

Kit All Beetle Trap Gel Cartridge RTU

READY-TO-USE KIT FOR CRAWLING INSECTS

This ready-to-use kit combines pheromones with multi-species food attractants and consists of a practical cartridge to be attached to the base of the ALL BEETLE TRAP. It indistinctly captures over 20 species of foodstuff beetles.

REFILL CARTRIDGE

Refill cartridge containing pheromones and food attractants.

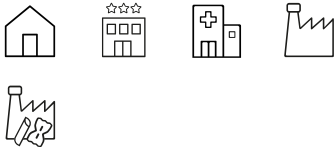
DIMENSIONS

10 x 10 x 2 cm

CHARACTERISTICS

Ready-to-use beetle trap

FIELDS OF USE



TARGET INSECTS

Crawling foodstuff insects

DIRECTIONS FOR USE

Remove the tray protection before fixing it to the trap base.



TRAP KIT

Qty: 10 pcs x 1

REFILL CARTRIDGE

Qty: 10 pcs x 1



Insects Limited

All Beetle Trap Dermestidae Beetles

READY-TO-USE KIT FOR CRAWLING INSECTS

Ready-to-use kit for monitoring and capturing dermestid beetles and other pests of textile fibers or organic material.

ATTRACTANT

Food attractant for dermestid beetles.

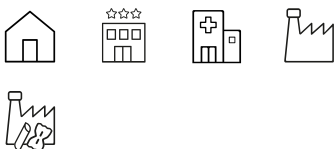
DIMENSIONS

10 x 10 x 2 cm

CHARACTERISTICS

Ready-to-use beetle trap

FIELDS OF USE



TARGET INSECTS

Dermestes spp.

DIRECTIONS FOR USE

Remove the tray protection before fixing it to the trap base.



TRAP KIT

Qty: 10 pcs x 1

ATTRACTANT

Qty: 10 pcs x 1

Insects Limited

Moth Suppression

TRAP TO SUPPORT SEXUAL CONFUSION PROGRAMS



The internal sticky surface of this pagoda trap is specifically designed to support sexual confusion programs against Indian meal moth *Plodia interpunctella*.

DIMENSIONS

15 x 15 x 20 cm

Sexual confusion pheromones.

Highly pheromone-impregnated wicks create sexual confusion in Indian meal moths *Plodia interpunctella*. Every wick can attract moths of both sexes for a month.

DIRECTION FOR USE

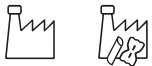
This trap aims to avoid or reduce the interaction among sexes by interfering with their pheromones. This technique results successful when the pest density is not excessively high.

Place a trap every 250 m².

CHARACTERISTICS

Ideal for IPM programs
When correctly employed,
it can reduce the use of
insecticides

FIELDS OF USE



TARGET INSECTS

Plodia interpunctella.



TRAP

Qty: 10 pcs x 1

SEX PHEROMONE LURE

Qty: 10 pcs x 1



FOCUS Brown marmorated stink bug

Stink bugs represent a threat against cultivations and a concern for the collectivity.

The fear related to this Rhynchota insect is growing since the time the brown marmorated stink bug (*Halyomorpha halys*) has imposed itself upon the local green stink bug (*Nezara viridula*). The harmful effects of the brown marmorated stink bugs are not always recognized: while in cultivated lands, the damages caused by these phytophagous insects can be seen mainly on grain crops and fruit trees; In civil and industrial environments the damages affect mostly food industry operators. In autumn these insects colonize our environments looking for a shelter for the winter. They are attracted by the light. During their flights, they end up hitting walls and any surfaces as they are extremely clumsy. When they feel threatened, they release through their repugnatorial glands a persistent pungent odour. The risks of food contamination are very high: for this reason, strict Pest Management measures must be put into action to avoid serious consequences.

The monitoring

Our highly efficient monitoring method involves traps (activated with pheromones) which need to be installed at the beginning of autumn and to be kept under surveillance every week until November.

Traps must be placed along the perimeter of orchards and herbaceous crops. In order to preserve food industries and civil environments from the stink bug colonization, it is suggested to place traps at 20-30 m from each other (especially at the beginning of the season). Moreover, to maintain a high attractant level, traps must be placed not further than 30 m from each other in order to maintain a high attractant level.



Cimirex Trap

BROWN MARMORATED STINK BUG TRAP

CIMIREX TRAP is the first ecologic pheromone trap for the mass trapping of brown marmorated stink bug (*Halyomorpha halys*) with a patented design. The trap combines the attractant power of the aggregation pheromone with colours perceived by the target insects. The pheromone is released gradually and lasts for more than 30 days.

DIMENSIONS

25,5 x 25,5 x 61 cm

DIRECTIONS FOR USE

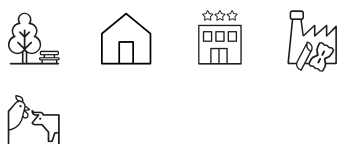
It is advisable to place 3-4 traps per site, from mid-March to the beginning of April, respecting the following instructions: direct the monitoring in those areas that result more favourable for the development of insects, especially along the perimeter borders of the crop area, near hedges and/or buildings. Keep at least 20-30 meters of distance among the traps.

Place the traps on plants that result attractive for stink bugs, possibly with fruit and within 20-30 meters from buildings (especially at the beginning of the season). The traps can be placed on culture edge plants or on wild plants nearby.

CHARACTERISTICS

- Check and empty the traps weekly
- Change the pheromones every 7 weeks

FIELDS OF USE



TARGET INSECTS

Brown marmorated stink bug
(*Halyomorpha halys*).



TRAP + PHEROMONE
Qty: 4 pcs x 1

PHEROMONE
Qty: 1 pc

Cimirex Trap Maxi

BROWN MARMORATED STINK BUGS TRAP

CIMIREX™ TRAP MAXI is an ecologic pheromone trap for the mass trapping of brown marmorated stink bugs (*Halyomorpha halys*) with a patented design. The trap combines the attractant power of the aggregation pheromone with colours perceiving by the target insects. The pheromone is released gradually and lasts for more than 30 days.

The size MAXI is designed specifically for orchards, extensive crops and to eliminate massive infestations.

DIRECTIONS FOR USE

It is advisable to place 3-4 traps per site, from mid-March to the beginning of April, respecting the following instructions:

Direct the monitoring in those areas that result more favourable for the development of insects, especially along the perimetric borders of the crop area, near hedges and/or buildings.

Keep at least 20-30 meters of distance among the traps.

Place the traps on plants that result attractive for stink bugs, possibly with fruit and within 20-30 meters from buildings (especially at the beginning of the season).

The traps can be placed on culture edge plants or on wild plants nearby.

DIMENSIONS

40 x 40 x 120 cm

CHARACTERISTICS

- Check and empty the traps weekly.
- Change the pheromones every 7 weeks.



FIELDS OF USE



TARGET INSECTS

Brown marmorated stink bug
(*Halyomorpha halys*).



TRAP + PHEROMONE

Qty: 2 pcs x 1

PHEROMONE

Qty: 1 pc

Solvents



Solvents

TanniBlend	p. 27
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CleanTech	p. 27
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FOCUS TanniBlend

The innovative organic product to be used after anti-mosquito treatments for greater efficacy.

Every summer, ordinary systems and methodologies against mosquitoes in green areas raise more and more doubts and open many debates among both PCOs and citizens.

Any direct intervention, especially if against adult stage of the insect, must be carried out with Medical surgical devices or Biocides bearing in their ministerial label the possibility of use in meadows, gardens, tree-lined avenues, and other green areas.

More persistent

Among the vast number of different insecticides on the market, there seem to be a preference in formulations developed from pyrethroid active substances or natural pyrethrin. Naturally, the final choice of the right product is made also considering the operating environment.

However, two are the major characteristics valued and looked for in insecticides (especially those against insect's adult stages): high knock-down effect and long persistence of action.



Products from the Pyrethrum line: NUVEX® EC, NEWFLY PLUS, NUVEX® NO PBO, ZATOX 11, NUVEX® FOG.

Newpharm® completed its range of insecticides against adult mosquitoes by offering solutions varying from natural pyrethrum to the most complex and innovative active substances. Despite having already developed numerous products, both larvicidal and adulticidal, Newpharm went beyond.

After many years of study from the R&D Department, Newpharm presents TANNIBLEND: a completely-vegetable based organic concentrate to combine with anti-mosquito solutions to enhance the above-mentioned fundamental characteristics.

TANNIBLEND significantly improves traditional pyrethroids' knock-down effects, but most importantly, it increases their temporal persistence, making the active substance on the vegetal surface last longer.



TANNIBLEND is perfect for the fight against mosquitoes in green areas.

Tanniblend's vegetal origin naturally enhances the natural pyrethrum. For this reason, Newpharm® suggests combining it with the Nuvex line.

The initial irrigation of TANNIBLEND on the plants prepares them to receive the active substance that will be applied later.

The result is a lower environmental impact, a higher knock-down effect and, above all, a greater residuality.



TanniBlend

NATURAL DEFENCE BOOSTER

This natural-origin product favours plant's resistance to biotic and abiotic stress. Thanks to the presence of polyphenols and organic acids, it enhances soil structure and vitality and, thanks to its acid pH, it reduces damage caused by excessive salinity. TanniBlend promotes the root system's growth even in presence of parasites or other adverse factors and improves assimilation of nutrients. It reduces fruit splitting, favours tissue healing, protects the plant from frost and increases resistance against fungi, bacteria and insects. This product can be used on all crops in gardens, fields, ornamental plants, fruit, and vegetable.

COMPOSITION

Content in tannins 36%
Chestnut wood extract.
Product obtained by extraction with physical processes.

ADVISED EQUIPMENT

- * Solo 416LI
- Solo 452-03

FIELDS OF USE



DOSAGE AND APPLICATIONS

Dilute 50-60 mL of product in 10 L of water and spray the plant keeping a distance of 40-50 cm. It is important to irrigate the solution evenly, including leaves' lower side. The above-mentioned quantity is sufficient to treat a 100 mq area.

- ✔ Organic product
- ✔ It favours plant's resistance to biotic and abiotic stress
- ✔ It can be used on all crops in gardens, fields, ornamental plants, fruit, and vegetable.



BOTTLE

Qty: 12 pcs x 1 L



CleanTech

DEGREASING SOLVENT FOR NEBULIZERS

This additive is designed for the ordinary cleaning of ULV nebulizers, even ULV. It carries out a high solvent, degreasing, disruptive and detergent activity to remove every impurity from the application systems.

COMPOSIZIONE

Diethylene glycol monobutyl ether 100%

DOSAGE AND APPLICATIONS

To be used as it is or diluted in water at a 10% ratio. Leave to react for at least 10 minutes (if possible, a whole night) before rinsing thoroughly.



TANK

Qty: 1 pc x 10 L

Disinfectants and detergents





Disinfectants and detergents

K30® NEW	p. 31
Amminorex®	p. 33
Bra-Newphen®	p. 34
Alcorex® Pronto Uso	p. 35
Alcorex® Gel	p. 35
Bra-Newphen® Spray	p. 36
Odorblok® NP	p. 37

Focus Iodine

Rapid, effective and with a broad spectrum of action

Iodine stands out among the most famous anti-microbial agents ever. **Iodine is active against most bacterial species, including tubercle bacilli.** Moreover, its action is exerted to pathogenic fungi and different species of viruses, with or without lipids. As the activity of free iodine is altered by the presence of organic substances on surfaces, it is added to surfactant substances to create the so-called “iodophors”.

Besides its ability to act even in presence of organic dirt, iodophor's other strength points are its minimum transfers of colour to the treated surfaces and the absence of irritations after its application.

Povidone-iodine

Undoubtedly, the best iodophor is povidone-iodine, a combination of iodine and a food-origin additive, the polyvinylpyrrolidone (PVP).



The povidone-iodine is soluble both in water and in other hydro-alcoholic solvents developed by Newpharm®: these last, BIOSOL® and NEWSOL®, enhance its effectiveness by increasing the germicidal action to the maximum level. The action of iodine as disinfectant is so long known that, nowadays, it is used in hospitals for the disinfection of skin and wounds. Applying such product in the zootechnical and alimentary field means exploiting a formidable molecule with an intense microbicidal activity.

Iodine's germicide action derives from its oxidising capacity. Once penetrated inside the microorganism's cell, included that of viruses, it irreversibly alters the genetic material and lead to protein complexes.



Iodine is widely used in fish hatcheries.

Iodine is still widely used in processes of water purification, especially in the fish farm, thus reducing the use of medicines and other chemical compounds.

NEW

K30® NEW

CONCENTRATE LIQUID DISINFECTANT

K30® NEW is a concentrate liquid disinfectant with a broad spectrum of action towards potentially pathogenic micro-organisms. Ideal for environmental rehabilitation, K30® NEW's formulation is easily soluble in water and has a detergent and penetrating power. K30® NEW is explicitly formulated for disinfection in human and animal food industry, where it is used for the disinfection of equipment, containers, consumption utensils, surfaces or pipework associated with the production, transport, storage or consumption of food or feed (including drinking water) for humans and animals.

DOSAGE AND APPLICATION

Bactericidal and virucidal action: Prepare a solution of K30® NEW and water at a concentration of 6% by weight. Leave to act on surfaces for at least 5 minutes.

Yeasticidal action: Prepare a solution of K30® NEW and water at a concentration of 2.2% by weight. Leave to act on surfaces for at least 15 minutes.

The K30® NEW solution can be used both manually and mechanically. Use suitable equipment. (* - ▲).



COMPOSITION

Polyvinylpyrrolidone iodine:
10 g (= 1 g of active iodine).

ADVISED EQUIPMENT

* Vectorfog C 150 +

▲ Cannon Aer-San®
Mist Aer-San®



- ✔ **Broad spectrum of action**
- ✔ **Detergent and penetrating power**
- ✔ **Direct action against bacteria, yeast, and viruses**
- ✔ **Ideal for environmental rehabilitation**

FIELDS OF USE



TARGET MICRO-ORGANISMS

Bacteria, yeast and viruses



TANK

Q.ty: 1 pc x 20 L

FOCUS Diammina

As reported by the first preamble of the European Regulation no. 178 of 2002, which establishes the food legislation: *"The free movement of safe and wholesome food is an essential aspect of the internal market and contributes significantly to the health and well-being of citizens, and to their social and economic interests."*

The food industry is one of the most strict and demanding sectors as regards the safety of citizens.

The disinfectant in the European food supply chain

The distribution of healthy food is an essential dogma, that is why every food business operator has to adopt the rules and guidelines for every stage of the food production chain.



Microorganisms are the main danger for the food safety: bacteria and mould can negatively affect food by causing intolerable defections and compromising its salubrity. Disinfection is a systematic procedure within the production or food distribution premises, and it aims to eliminate most of the pathogens in order to protect the health of every consumer. Since the disinfection treatments must be repeated constantly, the regulation at European level was a necessary intervention. In fact, the movement of food within the European Community required the adoption of some standards, which were introduced also by large distribution chains.

The broad spectrum of action of the innovative basic substance, a biocidal diamine, is supported by surfactant properties that ensure surface cleansing even at low temperature.

N- (3-Aminopropyl) -N-dodecylpropane-1,3-diamine, is active against Gram + and Gram- bacteria, mycobacteria such as Mycobacterium terrae and Mycobacterium avium, encapsulated fungi and viruses.



Besides being active at low temperature, this innovative disinfectant technology is not altered by organic material presence on the surfaces (blood and proteins) and by the pH of the substrate, thus avoiding use of co-formulants that could accumulate in the environment.

The final result is a disinfectant product free of alcohol, aldehydes, quaternary ammonium salts and chlorins called AMMINOREX®. Maximum effectiveness, utmost care for the environment, total safety of citizens.

Amminorex®

CONCENTRATE LIQUID DISINFECTANT

AMMINOREX® is a bactericidal, fungicidal and virucidal disinfectant free of quaternary ammonium. Its bactericidal action is performed to the level of tuberculous mycobacteria. Particularly suitable in the food industry, it has a good detergent action even at low temperatures.

COMPOSITION

N-(3-aminopropil)
-N-dodecilpropan-1.3 diamine: 7g

DOSAGE AND APPLICATIONS

Diluted:

Apply after dilution in water at 1.5% ratio (15 mL of AMMINOREX® per litre of water).

Use suitable equipment (✳).

Rinse or let dry after application. Rinsing of floors is not necessary unless they have to be polished afterwards.

Compliance with the specified dilutions ensures the high efficiency of the product.

RECOMMENDED EQUIPMENT

✳ Solo 456 Pro



FIELDS OF USE



✔ Free of alcohol, aldehydes, and chlorines

✔ Proved efficiency at low temperatures

✔ Substance approved by the ISS – Italian Institute of Health for surface disinfection

✔ Free of volatile organic compounds

TARGET MICROORGANISMS

Bacteria: *Enterococcus hirae*,
Escherichia coli, *Staphylococcus aureus*,
Pseudomonas aeruginosa,
Mycobacterium terrae.

Viruses

Fungi



BOTTLE

Q.ty: 12 pcs x 1 L



TANK

Q.ty: 4 pcs x 5 L Q.ty: 1 pc x 25 L

Bra-Newphen®

BACTERICIDAL, VIRUCIDAL AND FUNGICIDAL DETERGENT AND DISINFECTANT

Concentrate liquid detergent and disinfectant with bactericidal, fungicidal and virucidal action. It is particularly suitable for food industry (restaurants, bars, hotels, gastronomies, ice cream shops, sales counters), public health and hygiene fields.

COMPOSITION

Didecyltrimethylammonium chloride (DDAC): 6.93 g

DOSAGE AND APPLICATIONS

For a fungicidal and bactericidal action, dilute 40 mL in a litre of water and apply the product directly on the surfaces then leave on for at least 15 minutes. To perform the virucidal action, dilute 40 mL of product per litre of water and apply the solution on previously cleaned floors. Leave on for at least 30 minutes and rinse with water. Rinsing of floors is not necessary unless they have to be polished afterwards. Compliance with the specified dilutions ensures the high efficiency of the product. Incompatible with anionic soap.

Use as cleaning sanitizer: this product can be used also as cleaning sanitizer at the concentration ratio of 20 mL per litre of water.

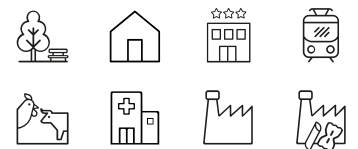
RECOMMENDED EQUIPMENT

- * Solo 456 Pro
- ▲ Mist Aer-San®



- ✔ Effective against viruses in 30 minutes
- ✔ Bactericidal and fungicidal action with minimum contact time
- ✔ Recommended for public hygiene and frequent disinfection treatments

FIELDS OF USE



TARGET MICROORGANISMS

Bacteria (Gram +, Gram -), fungi and viruses



BOTTLE

Q.ty: 12 pcs x 1 L



TANK

Q.ty: 4 pcs x 5 L



Alcorex® RTU

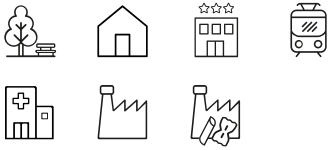
SURFACE DISINFECTANT

ALCOREX® READY-TO-USE is a liquid ready-to-use sanitizer. Alcohol-based, it is active against bacteria, fungi, and viruses. ALCOREX is a practical and versatile surface disinfectant to be used in daily life and in different fields, such as health sector, public hygiene, industry, large- and small-scale catering business.

COMPOSITION

Ethanol 70.4 g

FIELDS OF USE



TARGET MICROORGANISMS

Bacteria, fungi and viruses with or without envelope

DOSAGE AND APPLICATION

Hard-surface disinfection in the health sector: after cleaning the surface to be treated, apply the product uniformly and leave on for 3 minutes. When disinfecting surfaces in contact with foodstuff, it is recommended to rinse afterwards.



TRIGGER

Q.ty: 12 pcs x 750 mL



TANK

Q.ty: 4 pcs x 5 L



Alcorex® Gel

GEL HAND SANITIZER

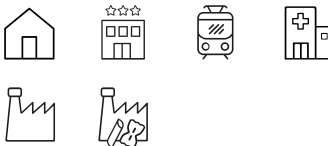
ALCOREX® GEL is an alcohol-based hand sanitizer, which is active against bacteria, fungi, and viruses (with or without envelope). ALCOREX® GEL ensures an adequate hand disinfection in daily life, both in domestic and health fields (clinics, medical offices, nursing facilities and RSAs), in analysis laboratories, general industry (including food industry), hotels and residences.

ALCOREX® GEL contains also emollient, wetting, and protective agents and can be used without water.

COMPOSITION

Ethanol 70.4 g

FIELDS OF USE



TARGET MICROORGANISMS

Bacteria, fungi, viruses with or without envelope.

DOSAGE AND APPLICATIONS:

Daily hand disinfection:

Apply the product in the hand palm. Rub vigorously for at least 60 seconds reaching every part of the hand: palm, back, nails and the spaces between fingers. Repeat the actions above.



BOTTLE

Q.ty: 50 pcs x 50 mL



Q.ty: 12 pcs x 500 mL



Q.ty: 12 pcs x 1 L

Bra-Newphen® Spray

SPRAY DISINFECTANT WITH BACTERICIDAL AND FUNGICIDAL ACTION FOR ENVIRONMENTS AND SURFACES.

This product is based on a quaternary ammonium compound and has a vigorous disinfectant, bactericidal and fungicidal action for surfaces' hygiene.

DOSAGE AND APPLICATIONS

To disinfect surfaces: spray the product directly on surfaces keeping the spray can at 20-30 cm from the surfaces and leave on for 15 minutes to perform a disinfectant action.

To disinfect environments: spray the product for 15-20 minutes to cover an area 50 m³, directing the jet upwards and in all directions. When using a self-emptying spray can, use 150 mL of product to treat 30-80 m³ size premises. During outbreaks, it is possible to double the time of spraying and repeat the treatment multiple times during the day without any inconvenience. Ventilate the treated environment before re-entering in the area.

COMPOSITION

Pure Didecyldimethylammonium chloride: 0,5 g

**DOUBLE DISPENSING
SIZE 150 mL 400 mL**



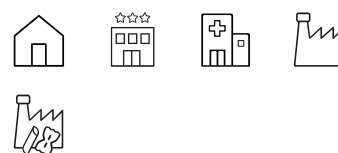
Spray Led

TIMED DISPENSER

Pag. 73

250 mL spray can for timed dispensers

FIELDS OF USE



TARGET MICROORGANISMS

Bacteria and fungi.

- ✔ Bactericidal action for environments and surfaces
- ✔ Its bactericidal and fungicidal actions are useful in food industry
- ✔ Disinfected surfaces within 15 minutes



SPRAY CAN

Q.ty: 12 pcs x 150 mL Q.ty: 12 pcs x 250 mL Q.ty: 12 pcs x 400 mL



Odorblock® NP

CONCENTRATO DEODORANTE

The innovative bio-activator ODORBLOCK NP is specifically designed to remove odours and activate organic substances composting process in waste, zootechnical and agro-industrial management areas.

The microbial strains contained in this product deviate fermentative activities to favour the release of odourless substances.

COMPOSITION

Contains Terpinol

DOSAGE AND APPLICATIONS

Diluted: apply the product after dilution in water at 2-5% ratio, then apply it directly on surfaces and/or stinking heaps.

The concentration ratio can be increased up to 30% in case of pits. Use suitable equipment (✳).

ADVISED EQUIPMENT

✳ Solo 456 Pro

FIELDS OF USE



TARGET PESTS

Inhibitory effect towards a wide range of microorganisms.



TANK

Q.ty: 4 pcs x 5 L



Rodenticides traps





Traps

Piper NEXA	p. 41
Piper NEXA - Optional	p. 42
Piper NEXA - Mix	p. 43
Piper NEXA - Sol NF	p. 43
Innova Trap Connect	p. 45
Innova Trap Duo	p. 45
<i>Nomore Rodent</i> Multicatt Metallica	p. 46

Bait dispenser

<i>Nomore Rodent</i> Evolution	p. 47
<i>New Station</i> Flat	p.48

Attractant bait

Block Placebo Fluo	p. 49
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Focus Piper NEXA

Exploiting rodents' behaviour to get rid of them

Mice and rats can colonize every kind of man-made environment and once settled in they are difficult to evict. Whether it is a rural or urban environment, these fertile rodents always find their ecological niche: humans, to defend themselves, can do nothing but resorting to the defence method known as deratization.

Besides the problems caused by their presence, rodents represent a potential danger to human and animal's health, as carrier of germs and pests responsible for some serious diseases.

The absence of disturbing elements and the abundance of shelters and food reserves have contributed to the increase of rats' number in residential centres and cities, while in the countryside their omnivore feeding causes many damages to farmers.

The species of rodents belonging to the family of Muridae, cosmopolitan and commensal mice, are the **Western European house mouse** (*Mus Musculus domesticus*), the **Black rat** (*Rattus Rattus*) and the **Brown rat** (*Rattus Norvegicus*).

Mice's "neophobia", that is the distrust these mammals feel towards any kind of alteration of a static environment, slows down considerably deratization's operations. For example, the positioning of a bait station in a given environment immediately arouses suspicions among the colony's members, and it may take some time before they overcome these alterations.

Moreover, **Pest Management's global commitment to reduce the use of rodenticide baits** significantly revived physical capture systems. Considered to be more ecological, murids' single- or multiple-catch traps have evolved to lighten the work of PCOs, which previously had to check directly or indirectly every station.

100% ecological, 0% poisonous. This is Piper Nexa.



Piper Nexa is a multiple-catch trap that lures rodents of any species and size, capturing them once and for all.

This system is **authorized in food industry** and it is part of **H.A.C.C.P. manuals**. As it safely stores the carcasses, PCOs and food industry workers can avoid walking down the bait stations' track daily to inspect them.

Simple functioning

Rodents are fast drawn into entering the Piper Nexa device by a blend of food attractants, called Piper-MIX. After the **infrared sensor detects the rodent's presence in the device**, a trapdoor opens beneath it. In a split second, the rodent falls in a container filled with water and added preservative **liquid that prevents the rotting of the carcass**. (Piper-SOL NF).

Installation

Piper Nexa can be **placed outdoors**. However, if external measures of deratization have already been taken, **it may be more profitable to place this trap indoors**, where the use of toxic baits can be questionable.

Thanks to Piper Nexa, one will be able to follow the rodent control process more easily maintaining the same performance. Indeed, while baits can arouse more suspicions, this kind of trap can represent the best option.

A **bicolored LED** placed in the back of the trap indicates the correct functioning of the system, the successful catch of the rodent and the battery charge level.

In fact, the system is autonomous with a pack of rechargeable battery with high autonomy level.

Always connected

Piper Nexa is designed to be **remotely connected** to the PC or smartphone through the Piper-NET system.

Data transmitted: number of catches, level of the battery charge, switch on/off of trap and notification of the rodent's passage.



Piper NEXA

ECOLOGIC TRAP FOR MICE AND RATS

Piper NEXA is a multiple-catch trap that can unceasingly attract and catch every type of infesting rodent, from small House Mice (*Mus Musculus domesticus*) to great Brown Rats (*Rattus norvegicus*) to Black Rats (*Rattus rattus*) and many others. Made with simple and resistant materials, this product is safe for humans, no target animals, and the environment because it does not employ poisonous and polluting baits. Piper NEXA can be used in the H.A.C.C.P. field, where it contributes to eliminate rodents that could contaminate the food.

INDICATION OF USE

Its smart-control electronic system allows to distinguish the presence of the rat from others like, insects, butterflies, and dirt, thus minimizing the risk of false trapdoor openings. Moreover, the materials used and the hardware design's criteria applied make Piper Nexa immune to disturbances due to sun radiation, artificial lights and vapours, once again minimizing the risk of false openings and making this trap ideal to be used in every operating condition.

DIMENSIONS

Height: 51 cm
Diameter: 32,3 cm
Unladen weight: 5,8 Kg
Weight with liquid solution (Piper-SOL + Water): 15,3 Kg

CONTENTS STARTER KIT

- Rechargeable 12V 2.1 Ah battery
- Piper-MIX, miscela di attrattivi
- 1 pair of disposable nitrile gloves
- 1 user manual and Warranty
- 1 Charger 12V

OPTIONAL

- Power Supply
- IoT module
- Piper-BASK
- Piper-KART
- Piper-COVER
- Piper-LIFT

CONSUMABLES

- Piper-MIX
- Piper-SOL NF

FIELDS OF USE



TARGET PESTS



Assembled trap

Internal trapdoor

Carcass's collector

Piper SOL



STARTER KIT 1

Qty: 1 kit without connection

STARTER KIT 2

Qty: 1 Kit with connection

BARE TRAP

Qty: 1 pc x 1 accessories not included

Piper NEXA - Optional

Product	Description	Method of use	Dimensions
POWER SUPPLY	Battery charger for Piper-Nexa	The battery charger has an LED signal to indicate charging status. RED LED on: charging underway, battery not yet fully charged. GREEN LED on: battery fully charged. Disconnect the battery charger and turn power supply to the battery charger off (full charging time complete in approx. 8 hours).	10.8x7.8x5.4 cm
IoT MODULE	Piper NEXA IoT is the remote control system of the Piper NEXA trap.	Piper NEXA IoT is the remote control system of the Piper NEXA trap, conceived on the basis of new technologies in the Internet of Things (IoT) field. It's an aftermarket accessory available only for Piper Nexa without connection - Starter kit Cod. 8090093. Piper NEXA IoT uses low-power, long-range radio communications to send data to central servers. From here, the data will be accessible to the operator via a web application that can be used on a pc, smartphone and tablet. The system operates through the open TTN (The Things Network), based on the LoraWAN standard. This transmission mode allows two-way communication between the Piper NEXA trap and the operator, with almost negligible battery consumption and long autonomy. In the presence of the LoraWAN signal, the connection between the trap(s) and the operator is automatic. In the absence of coverage of the LoRa signal, the connection between the trap(s) and the operator can be made exclusively through the use of a Gateway connected to a Wi-Fi network. This accessory allow to have remote control via web-app of the Piper NEXA trap.	22.9 x 16 x 3.7 cm; 200 grams
PIPER-BASK	Metal support structure for fixing the Piper-Nexa in height	The Piper NEXA trap can be positioned either on a flat surface (for example, on the floor) or suspended near areas known as probable preferred route for rats (especially black rats), such as overhead pipes and channelling. Wall mounting: In this case, it is possible to use the special support with bracket to fix Piper-BASK to the wall, to ensure that the Piper NEXA trap can be placed near these routes. Piper-BASK is equipped with a safety cable in steel with EC declaration of conformity.	height 51 cm max diameter 32.3 cm.
PIPER-KART	Inspectable cover for urban environments Material: structure in lawn green painted steel	Outdoor metal protection for Piper-Nexa against no-target animals, theft and vandalism. Features: reduces the environmental impact, integrates into street furniture or inside a park, equipped with a safety key lock, allows the LoraWAN signal to be transmitted without interruption.	35X35 cm height 60 cm.
PIPER COVER	Light cover for food environments Material: forex	White forex cover that helps camouflage the trap in food industries.	height 55 cm max diameter 35 cm.

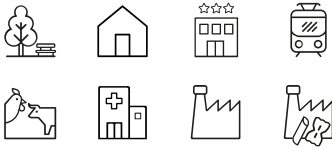


Piper-MIX

NATURAL FOOD BAIT

Natural food bait for Piper Nexa with high palatability to be used on the Piper-Nexa capture device, a mix of cereals and peanut butter make it irresistible to mice and rats.

CAMPI D'IMPIEGO



INFESTANTI TARGET



INDICATION OF USE

Piper-Mix consists of a package of sunflower seeds + a package of peanut butter. Cover the ladder with peanut butter and grains (Piper-MIX). Pasturate the beginning and the end of the corridor only with the grains.

DO NOT bait the trap door corridor with peanut butter or any other material that could compromise proper operation. Insert the Piper Mix also inside the inner tray after removing the lid.



TANK
Qty: 1 pc



Piper-SOL NF

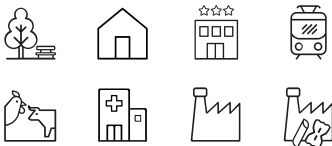
CONCENTRATED LIQUID DEODORIZER

Concentrated liquid deodorizer

DIMENSIONI

Tank of 4 liters

CAMPI D'IMPIEGO



INFESTANTI TARGET



INDICATION OF USE

PIPER-SOL is a sanitizing and deodorizing liquid blend specifically designed, tested and manufactured to be used effectively in the Piper-NEXA. The product, supplied concentrated, is in liquid form, with a transparent color. The product must be diluted as follows, 4 liters of Piper-SOL + 6 liters of water.



TANK
Qty: 4 L x 1 pc

FOCUS M.A.N.U

Remote monitoring system

A future already present

Newpharm breaks the mold and offers an innovative solution for rodent control meant for Pest Management professionals.

New system of monitoring and capture

Thanks to the new standards of communication, the M.A.N.U. system for monitoring and capture of mice and rats offers an innovative end-to-end communication solution. It allows to realize a communication network without setting up specific equipment for every application, thus keeping the companies from investing in network devices. Thanks to the remote-control unit, one can know the status of the device in real time.

The connection between the monitoring and capture stations is possible thanks to the use of the Ultra Narrow Band (UNB) radio technology.

M.A.N.U. is an innovative system which can meet the needs of modern professional pest-control companies to ensure:

M.
A.
N.
U.

Monitoring Activity
Newpharm Unit

Communication with or without a SIM

Notification via e-mail or app

Time-saving



Choose the communication you prefer





Innova Trap Connect

SNAP TRAP WITH SENSOR

DIMENSIONS

17 x 7 x 8 cm



M.A.N.U. INNOVA TRAP CONNECT snap trap with notification of catches. Thanks to its remote monitoring system, one can know the catch system' status in real time. It can monitor rodents in indoor and outdoor spaces, especially in the food sector.

INDICATION OF USE

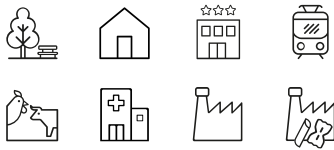
M.A.N.U. INNOVA TRAP CONNECT snap trap can be used either inside its open support or inside a suitable container. Sensor's operating state can be monitored through a dedicated website.



M.A.N.U

REMOTE
MONITORING
SYSTEM

FIELDS OF USE



TARGET PESTS



SINGLE SENSOR

Qty: 1 pc x 1



Innova Trap Duo

DOUBLE TRAP WITH SENSOR

DIMENSIONS

30 x 7 x 8 cm

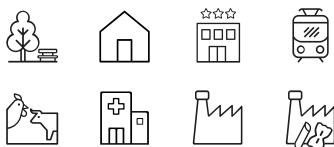


M.A.N.U. INNOVA TRAP DUO can monitor two NEW STATION SNAP TRAP MAXI or NEW STATION SNAP TRAP MINI traps. When a rodent is caught, the trap notifies it through an IoT communication protocol. Trap's operating state can be monitored through a dedicated website.

DIRECTIONS OF USE

M.A.N.U. INNOVA TRAP DUO snap trap can be used either inside its open support or inside a suitable container. Sensor's operating state can be monitored through a dedicated website.

FIELDS OF USE



TARGET PESTS



DOUBLE SENSOR

Qty: 1 pc x 1



Nomore Rodent Multicatt

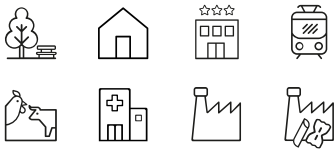
METALLIC MULTI-CATCHING TRAP

Multi-Catching Trap realized in high-quality galvanized sheet metal of for the simultaneous capture of mice and crawling insects. The entrances are equipped with sling bars that prevent the rodent from escaping. It allows to capture up to 30 rodents. Particularly suitable for rodent control within food industry premises (HACCP).

DIRECTIONS FOR USE

Devices for the physical capture of rodents should be installed in those areas considered as possible shelters or attraction for the rodents.

FIELDS OF APPLICATION



TARGET PESTS



DIMENSIONS
27 x 17 x 6,5 cm

INSIDE

- 12 Metallic multi-catching Trap
- 12 Catchmaster 72TC adhesive cards
- 12 stickers to indicate the frequency of checks carried out by the operator.



72TC

**CATCHMASTER
ADHESIVE
CARDS**



WINDOWED

Qty: 12 pcs x 1

WINDOWLESS

Qty: 12 pcs x 1



Nomore Rodent

Evolution

TRAPEZOIDAL BAIT DISPENSER

EVOLUTION is an innovative and practical station that can act both as a rodenticide bait dispenser in outdoor environments (EVOLUTION B black version) and for monitoring and capturing indoors (EVOLUTION T transparent version). Thanks to its compact shape, it can be placed anywhere in indoor and outdoor environments ensuring minimal visual impact.

EVOLUTION dispenser represents the best solution to create bait or monitoring points that are safe and protected from atmospheric agents, impacts and tampering. Moreover, since Nomore Rodent Evolution dispenser does not allow children, pets and other non-target animals to reach the bait, it results in full compliance with safety regulations. The internal dimensions allow mice and rats an easy and quiet positioning while tasting the bait.

DIRECTIONS FOR USE

This dispenser can be fixed on the wall with the included support, on the floor with silicone or wall plugs, on the pole with a cable tie.

It is possible to place the glue tray (Catchmaster 1448B), the glue board (Catchmaster 72TC) or the mechanical snap trap (NEW SNAP TRAP MAXI) where the use of rodenticide baits is forbidden.

DIMENSIONS

29 x 17,8 x 10 cm

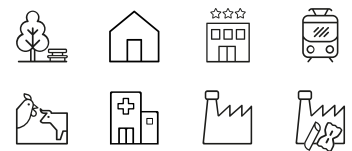
CHARACTERISTICS

This station is suitable also for simultaneous monitoring of rodents and crawling insects (cockroaches, ants, etc.), thanks to the separable base with two overlapped levels where the glue bases can be inserted.



- ❑ Opening with special safety key
- ❑ Zipper closure resistant to the coldest temperatures
- ❑ Easy cleaning thanks to the uncluttered internal surface
- ❑ Transparent version allows quick inspection of catches

FIELDS OF APPLICATION



TARGET PESTS



EVOLUTION B
Qty: 12 pcs x 1

EVOLUTION T
Qty: 12 pcs x 1

New Station

Flat

BAIT DISPENSER OR CATCH STATION

NEW STATION FLAT is a new concept of poisoning station for rodents. Thanks to its conformation, it can contain rodenticide baits in paraffin blocks, in fresh paste, grains, pellets or creams. After removing the practical tray that serves as a manger when using cream or grain baits, snap traps or glue boards can be placed for monitoring and catching.

Made of impact-resistant and anti-UV treated polypropylene, New Station Flat is effectively resistant to atmospheric agents and its shape permits to minimize the spaces between the container and the wall. It is equipped with a safety key lock, steel supports to place the bait horizontally and other supports to place the bait vertically, a removable manger for quick and easy cleaning and maintenance. Its innovative wall fixing system allows PCOs to quickly unhook the container, thus facilitating practical maintenance.

DIRECTIONS FOR USE

Fix the NEW SNAP TRAP MAXI mechanical trap (activated with the NARA® LURE food attractant) in the appropriate place or insert the desired baits. Through the special bracket (optional) the container can be fixed to the ground.

Compatible with M.A.N.U.

Complimentary personalization with your company logo, tampoprinted in one color, for orders of more than 200 pcs.

DIMENSIONS

18 x 22,5 x 10 cm.
entry hole Ø 5 cm

FIELDS OF APPLICATION



TARGET PESTS



BLACK LID
Qty: 20 pcs x 1

TRANSPARENT LID
Qty: 20 pcs x 1



Block Placebo Fluo

WAX BLOCKS

This ready-to-use attractant bait in paraffin block contains only appetizing substances for rodents. Ideal for the monitoring both in outdoor and indoor environments, this bait is completely non-toxic.

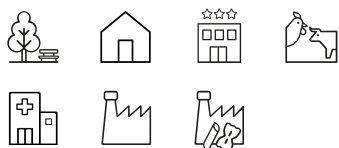
COMPOSITION

Substances of wax and food origin.

DIRECTIONS FOR USE

Place 100 g approximately inside appropriate containers for rodenticide baits. Approved for HACCP plans.

FIELDS OF APPLICATION



TARGET PESTS



BUCKET
Qty: 1 pc x 5 Kg



Professional equipment





Heat generators

MASTER® Eko 3 p. 54

MASTER® Eko 9 p. 55

MASTER® BV 77 p. 57

MASTER® BV 290 p. 57

MASTER® BV 500
13 CR Centrifugo p. 57

Nebulization systems

Tank Aer-San® p. 59

Mist Aer-San® Blade Turbo p. 60

Cannon Aer-San® p. 61

Granular dispensers

Granular Dispenser p. 61

FOCUS Heat

The use of heat in pest control sector

Together with relative humidity, temperature has a direct influence on the development of arthropods: it accelerates or slows down their biological cycle, it affects the annual broods and, in some cases, modulates their appearance or their nutrition.

Therefore, in pest control treatments, temperatures (especially if high) can be employed to interrupt the development cycle of infesting arthropods.

Nowadays, alternative methodologies to the common biocides (concentrated insecticides, traps, pheromones) are emerging in the pest management sector, including innovative heat generators.



Ancient approach, modern advantages

In the last decade, heat generators were substantially updated, especially in terms of safety. Nowadays, a PCO can count on reliable and safe equipment for every working environment.

The principle remains the same: **to progressively reach critical temperatures for insects, namely the thermal range between 40 °C and 60 °C.** This causes the waxes that cover the outer cuticle of arthropods to melt, triggering an irreversible process of dehydration.

The latest Newpharm® equipment gradually increases temperatures inside closed premises in a "step-by-step progression": **temperatures rise by 15 °C at a time until they reach the operating level, so as not to provoke any damage and expansion of the materials.** What makes Newpharm® heat generators stand out from the other machines in the market is the vertical flow of heat output, which ensures better air recirculation and greater uniformity than the horizontal one. Each generator has two thermostats: a safety thermostat against engine overheating, which can be electric or diesel-powered, and a digital external one to place in the area to monitor the treatment progress.

The advantages of high temperatures as a disinfection method are many: **they are environmentally friendly and do not involve the release of gas or other chemicals into the environment; their effectiveness is extended against all life-stages of arthropods (eggs, larvae, pupae and adult stage); they do not have toxic effects or lead to harmful consequences for food or people.**

Although this methodology is limited to knock-down treatments, the practicality and flexibility of Newpharm generators permits to perform all the treatments in a practical and simple way.



Electric:

Eko 3

Eko 9

Diesel:

BV 77

BV 290

BV 500



Eko 3



Eko 9

Main ways of application

- **Cimex lectularius**



Perhaps the most common in the pest control sector, bed bug treatments have always represented key services for pest control operators. Nowadays, despite the wide presence of different traps and insecticidal formulations on the market, there is a growing demand of alternatives to these chemical solutions. Heat generators can disinfect any kind of public and private environment, which will be quickly usable after the treatment is performed. Efficacy tests evidence as lethal temperatures 48.3 °C for adults (70 minutes of exposure) and 54.8 °C for eggs.

- **Pests of foodstuffs**



Food industry is one of the most critical area for pest control professionals. A multitude of arthropods can damage goods intended for human or animal consumption and no biocide can be applied in this case. Warehouses, storage silos, containers and other confined environments can be disinfected by using heat without affecting the product properties.

- **Animal parasites**



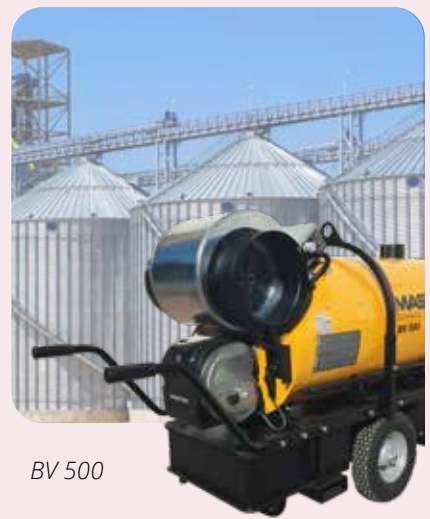
That is the case of the *Dermanyssus gallinae* (De Geer) poultry red mite. Heat treatment drastically reduces the number of red mites if carried out right after the production cycle is completed.



BV 77



BV 290



BV 500



MASTER® Eko 3

MONOPHASE ELECTRIC HEAT GENERATOR

Compact and lightweight, this monophase heat generator is meant for small domestic and civil environments (es. hotels, hostels, vans, hospitals, industrial kitchens) and as a support for Eko 9. Eko 3 dispenses 800 m³/h of hot air using only 2.8 kW at 240 V.

DIMENSIONS

450 x 440 x 600 cm

CHARACTERISTICS

Weight: 19 Kg

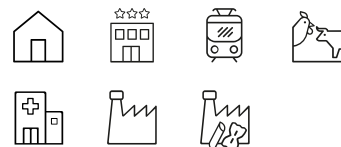
kW: 2.8

Air flow rate: 800 m³/h

Connection to THK remote digital thermostat

Heating thermostat included

FIELDS OF APPLICATION



THK remote digital thermostat

- ✔ **Safe for people and the environment**
- ✔ **Lightweight and handy**
- ✔ **Equipped with all means of protection, it does not require the issue of permits**

EQUIPMENT

Qty: 1 pc



MASTER® Eko 9

THREE-PHASE ELECTRIC HEAT GENERATOR

Practical and handy, this three-phase heat generator is perfect for use in hotel rooms, industrial kitchens, storage sites, railroad cars, hospitals, bakeries, and restaurants. The high air flow ensures rapid disinfestation treatments in total safety.

DIMENSIONS

550 x 606 x 921 cm

CHARACTERISTICS

Weight: 35 Kg

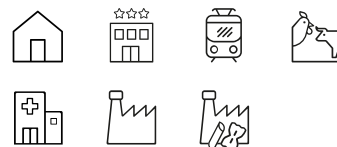
kW: 9

Air flow rate: 1400 m³/h

Connection to THK remote digital thermostat

Heating thermostat included

FIELDS OF APPLICATION



THK remote digital thermostat

- ✔ **Safe for people and the environment**
- ✔ **Lightweight and handy**
- ✔ **Equipped with all means of protection, it does not require the issue of permits**

EQUIPMENT

Qty: 1 pc

Gamma Master BV

Characteristics	BV 77	BV 290	BV 500
Product dimensions (cm)	113 x 38 x 66	160 x 70 x 115	280,6 x 71,7 x 123,3
Net /gross weight (Kg)	33/37	101/123	198/254
Air flow rate (m³/h)	1.550	3.300	5.400
Power (kW)	21	85	150
Power (Btu/h)	71.700	290.000	512.000
Power (kcal/h)	18.100	73.100	129.000
Tank capacity (L)	36	105	150
Fuel consumption (L/h)	2,0	8,1	12,19/14,31
Autonomy (h)	19	13	11
Power supply	220-240	220-240	220-240/50
Absorption (A)	1,5	4,6	13
Air outlet diameter (cm)	31	40	2 x 31 - 1 x 40
Smoke outlet diameter (cm)	12	15	15
Ventilation in summertime	no	no	yes
Protection	IP 41	IP 44	IP 44
Thermostat	yes	yes	yes

Caratteristiche

- Clean hot air
- Connectable to a thermostat
- Connectable to a flexible hose
- Smoke exhaust
- High air flow
- Overheat thermostat
- Post-ventilation
- Transparent external suction filter
- Three diesel filters: pump filter, suction filter and inlet filter
- Electronic flame control system with photocell
- Heat exchanger
- Combustion chamber made of stainless steel
- Diesel tank with level indicator
- Standard trolley included
- Snorkel
- Easy maintenance thanks to the external pump
- Solid and very resistant structure
- Diagnostic LED

Optional accessories

MASTER BV 77



**Canalizer kit
Ø 31 cm**

Qty: 1 pc



**Nylon hose
Ø 31 cm - 7,6 m**

Qty: 1 pc



**Rain
cover**

Qty: 1 pc



**Stainless-steel tube
for waste fumes
Ø 12 cm - 1 m**

Qty: 1 pc



**Stainless-steel
chimney for waste
fumes Ø 12 cm**

Qty: 1 pc



**Rain
cover**

Qty: 1 pc

MASTER BV 290

MASTER BV 500



**2-way
output
Ø 31 cm**

Qty: 1 pc



**1-way hose
Ø 40 cm**

Qty: 1 pc



**2-way hose
Ø 31 cm**

Qty: 1 pc



**1-way nylon hose
(bag included)
Ø 40 cm**

Qty: 1 pc



**2-way nylon hose
(bag included)
Ø 31 cm**

Qty: 1 pc

MASTER BV 77

SHORT-PIPE DIESEL AIR HEATER

High-efficiency and diesel-fuelled air heater, based on the indirect heating technology. This machine blows a large volume of completely clean and dry air. Exhaust gases are piped outwards. It is ideal for areas where ventilation is limited, such as exhibition areas, food industries' premises and other medium-sized environments. The machine can be placed outdoors, and the heat can be piped in the desired areas with a flexible hose.

TARGET: foodstuff bugs, among which *Sitophilus* spp. and *Rhyzopertha dominica*; Lepidoptera such as *Nemapogon granella* and *Sitotroga cerealella*; flour beetles, sawtoothed grain beetles and Indian-meal moths.



EQUIPMENT

Qty: 1 pc

MASTER BV 290

DIESEL AIR HEATER WITH INDIRECT HEATING

High-efficiency and diesel-fuelled air heater, based on the indirect heating technology. This machine blows a large volume of completely clean and dry air. Exhaust gases are piped outwards. It is ideal for areas where ventilation is limited, such as exhibition areas, food industries' premises and other medium-sized and spacious environments. The machine can be placed outdoors, and the heat can be piped in the desired areas with a flexible hose.

TARGET: foodstuff bugs, among which *Sitophilus* spp. and *Rhyzopertha dominica*; Lepidoptera such as *Nemapogon granella* and *Sitotroga cerealella*; flour beetles, sawtoothed grain beetles and Indian-meal moths.



EQUIPMENT

Qty: 1 pc

MASTER BV 500 - 13 CR Centrifugal

EXTERNAL AIR HEATER WITH HOSES

High-efficiency and diesel-fuelled air heater with a stainless-steel combustion chamber and smoke discharger. Thanks to its components, this heater can operate in any environment. The exhaust air flow, completely clean and dry, is among the largest flows that can be produced by same-size heaters. A practical window on this machine allows an easy access to clean the heat exchanger. The machine can be placed outdoors, and the heat can be piped in the desired areas with a flexible hose.

TARGET: foodstuff bugs, among which *Sitophilus* spp. and *Rhyzopertha dominica*; Lepidoptera such as *Nemapogon granella* and *Sitotroga cerealella*; flour beetles, sawtoothed grain beetles and Indian-meal moths.



EQUIPMENT

Qty: 1 pc

FOCUS CE marking

Fundamental european quality standards for equipment

In equipment manufacturing, "safe use" is a fundamental prerogative. This aspect can be ensured to customers only when all the current legislation's requirements are fulfilled.



Conformità delle attrezzature

To fulfill such requirements, equipment must:

- Be built according to precise parameters;
- Have the **CE** marking and be properly identified;
- Be accompanied by the instruction manual for use and maintenance;
- Be guaranteed by the manufacturer through a declaration of conformity.

Only when all these points are respected, equipment comply with the European market and can be covered by the **CE** marking.

Newpharm®'s conscious choice is to rely exclusively on European suppliers, who allow us to give you absolute certainties and to completely respect the current legislation.

CE marking certifies the product is safe and it is the means by which the equipment's manufacturer proves to have verified all the current legislation's conformities before the product is commercialized.



Tank Aer-San®

COMPRESSED-AIR NEBULIZATION SYSTEM

Practical system to be fixed directly to the container of the ready-to-use solution. The air flow will pass through a special connector and will come out from the nozzle. Thanks to the Venturi effect, the solution will be released from the container by suction.

DIMENSIONS

2-nozzle system: 17 x 20 x 20 cm

1-nozzle system: 17 x 3 x 20 cm

DIRECTIONS FOR USE

Fix the system directly to the tank by replacing it to the cap. Open the compressed air tap. Reach the operating pressure. The solution will be released from the air-liquid nozzle.



✔ Practical and quick

✔ Handy and space-saving



2 NOZZLES



1 NOZZLE

FIELDS OF APPLICATION



2 NOZZLES
Qty: 1 pc

1 NOZZLE
Qty: 1 pc



Mist Aer-San® Blade Turbo

COMPRESSED-AIR EQUIPMENT FOR THE NEBULIZATION OF INSECTICIDES AND DISINFECTANTS

Solid, flexible, and easy to use, this product is ideal for being used in extreme conditions. Thanks to the brand-new BLADE TURBO air-liquid nozzle, every solution will be finely micronized in the environment for the highest possible efficiency.

DIMENSIONS

10 L: 79 x 35 x 35 cm

24 L: 79 x 35 x 35 cm

48 L: 110 x 45 x 40 cm

DIRECTIONS FOR USE

- Put the product in the pressure tank.
- Inject the compressed air (10 mm hose).
- Reach the needed pressure (6 bar are recommended).
- Open the air tap.
- Open the product tap.
- To turn the equipment off, carry out the procedure backwards.

CHARACTERISTICS

- Chemical resistant nozzle
- 10-bar safety valve
- 0-10 bar pressure gauge
- Air-inlet tap
- Liquid-outlet tap
- Air-outlet tap
- Hand sprayer lance and 8 m spiral hose

from 10000 to 48000 m³/h



TIMER (Optional)



Air-liquid nozzle



Blade Turbo

NEW

FIELDS OF USE



OPTIONAL

- 1,5 HP mini compressor
- 2 x 3 L tank
- Timer

10 L - 1 NOZZLE

Qty: 1 pc

24 L - 2 NOZZLES

Qty: 1 pc

24 L - 3 NOZZLES

Qty: 1 pc

48 L - 3 NOZZLES

Qty: 1 pc



WATCH THE VIDEO ON YOUTUBE



Cannon Aer-San®

EQUIPMENT WITH SINGLE-PHASE MOTOR FOR THE NEBULIZATION OF INSECTICIDES AND DISINFECTANTS

This new electrically powered nebulization system is meant for ULV treatments in spacious environments. The new version of the CANNON AER-SAN® ensures excellent performance.

Moreover, thanks to its new ultrasonic nozzles, it is possible to increase the spray range.

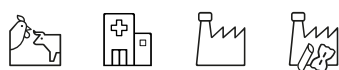
DIMENSIONS

110 x 59 x 170 cm

CHARACTERISTICS

- Weight: 112 Kg
- Micro stainless-steel nozzles for the nebulization of liquids
- High dispensing performance even with low insecticide content
- New motor potentiometer ensures major power (from 3,000 to 6,000 rpm)
- It is possible to use ready-to-use products or emulsifiable concentrates

FIELDS OF USE



Ultrasonic nozzles

DIRECTIONS FOR USE

- Keep the equipment at 220 V
- Fill the tank.
- Activate the pump.
- Keep the liquid under pressure using the pressure switch (30 bar are recommended).
- Activate the fan with the second switch.
- Open the liquid tap.
- To turn the equipment off, follow the procedure backwards.

EQUIPMENT

Qty: 1 pc



WATCH THE VIDEO ON YOUTUBE



Granular Dispenser

DISPENSER OF GRANULES AND MICROGRANULES

Unique and patented solution for the controlled distribution of granular products. This backpack granule dispenser ensures an accurate dispensing from 2 to 25 g with no waste. Lightweight and ergonomic, this product can be used continuously. Perfect for the distribution of granular larvicides, herbicides.

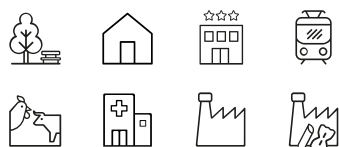
DIMENSIONS

40 x 27 x 73 cm

CHARACTERISTICS

Tank capacity: 20 L
Net weight: 3.5 Kg

FIELDS OF USE



DIRECTIONS FOR USE

Put granules or microgranules into the tank. Adjust the needed dosage by pushing the handle down. Screw the knob to increase the dispensed quantity or unscrew it to reduce.

EQUIPMENT

Qty: 1 pc

Bitecare[®] endoinfusion



Bitecare® - Endoinfusion

Bitecare® system	p. 64
The Bite® device	p. 66
Sapjet® HD	p. 67



www.bitecare.it

Bitecare® system

Endoinfusion: the new frontier of endotherapy

The new frontier of endotherapy begins with the Bitecare® method, a unique and revolutionary system which allows to mechanically separate the plant tissues using solely the strength of the operator. The purpose is to allow the infusion of small quantities of liquid with nourishing or antiparasitic action into the xylematic vessels, which are situated right below the bark.

The Bitecare® system

The innovative Bitecare® system does not require any hole, which could cause damage to the trunk in order to inject the solution.

While a special lenticular needle separates the fibres, the nourishing or therapeutic solution is injected in the xylematic vessels using the atmospheric pressure to avoid stress or traumas. This gravity method does not leave any permanent sign on the plant as no tissue is removed. When the needle is taken off, no specific treatment is necessary since no tissue has been damaged.

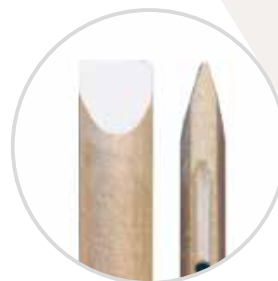
Bitecare® has been developed thanks to a research conducted by the spin-off of the University of Padua PAN/De Rebus Plantarum, which has been recently acquired by Newpharm®. This patented solution has received numerous awards and the prestigious United Nations/UNIDO Award in 2016.



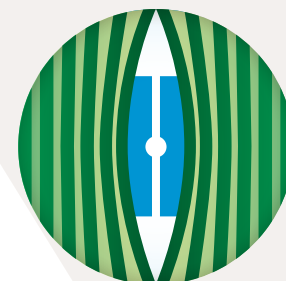
Delicately spacing tissues without damaging the plant

Once the xylematic vessels are reached, nutrients or treatments can be introduced spontaneously into the plant. Spaced tissues heal naturally after few weeks.

The special lenticular section needle allows the spread of the fibres by exerting a minimal friction.



Lenticular section needle



Bundle of fibres spread without damages

Bitecare® system

1

Bite®

patented dispositive for endoinfusion

2

Sapjet®

patented carrier for therapeutic solutions

3

Enerbite®

nourishing solution of quick assimilation

4

Propolis

organic enhancer of natural defenses

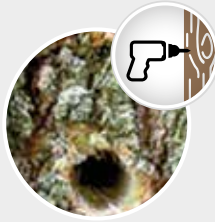
Old pressure system

Bitecare®

STEP 1: Reaching the vessels

It is necessary to pierce the trunk with a drill bit along the entire circumference (one hole every 20 cm)

- The drill causes the tearing and removal of vital tissues.
- Holes can lead to infections and diseases.
- The overheating caused by the drill causes the devitalization of large portions of tissues.



Through the Bite® endoinfusion tool, a special needle gets inserted between the fibres.

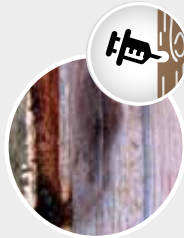
- No tissue tearing.
- Total prevention from infections.
- No tissue heating and therefore no permanent injury.



STEP 2: introducing the liquid

The injection of the product inside the hole is carried out by applying pressure.

- Pressure injections often cause embolisms following the vessels cavitation.
- By applying pressure, part of the liquid can come out of the hole.
- The tissues are irreversibly damaged (e.g. wood discoloration).



Spontaneous infusion by atmospheric pressure.

- No modification of the plant's physiology.
- No alteration of the employed product's characteristics used and no waste of the product.
- No damage to the tissues.



STEP 3: closing the port

The port must be closed with mastic (often phytotoxic).

- Complete healing is impossible due to the depth of the lesions.
- Permanent loss of strength and vitality.
- Completely necrotized portions of the stem.



The port can be treated with natural products (e.g. propolis).

- Complete cicatrisation in few weeks.
- No loss of strength and vitality.
- No aesthetic damage.



A direct fight against the most common problems

One of the main purposes of the Bitecare® method is the direct elimination and optimal control of parasites (insects and mites) and microorganisms (bacteria and fungi). The approach is mainly designed for **tall tress species** – broad-leaved and coniferous – and it is not affected by plant size, plant species and age of the plant.

Duration of the treatment with Bitecare®

Only one annual intervention is sufficient to address the main problems which can affect broad-leaved trees. On conifers, the benefits from the Bitecare endoinfusion can even last for several years.

- **Pine processionary** *Thaumetopoea pityocampa*
- **Processionary of the oak**
Thaumetopoea processionea
- **American antrina** *Hyphantria cunea*
- **Minatrice fogliare dell'ippocastano** *Cameraria ohridella*
- **Limantria** *Lymantria dispar*
- **Tans of the Plane tree** *Corytuca ciliata*
- **Aphids:**
Aphid lanigero of the poplar *Phloeomyzus passerinii*
Afine lanigero of the oak *Diphyllaphis mordvilkoii*
Waxy pheasant beech *Phyllaphis fagi*
- **Aphid of the lime tree** *Eucallipterus tiliae*
- **Aphid of the elms** *Tinocallis platani*
- **Cypress aphid** *Cinara cupressi*,
- **Green aphid of white fir** *Cinara pectinatae*
- **Eriophides:**
Eryopid of maples *Artacris macrorhynchus*,
Linden Erinosis *Phytoptus leiosoma*,
Eryfose of the ash tree *Eriophyes fraxini*,
Eryofida maple *Priophyes macrorrhynchus*,
Eryopid of the plane tree *Eriophyes pseudoplatani*
- **Spittlebug** *Philaenus spumarius* (vector of *Xylella fastidiosa*)
- **Red palm weevil** *Rhynchophorus ferrugineus*

The Bite[®] device

1 The Bite[®] device

Bite[®] is a patented device composed of several connected parts:

- A striker (C) screwed to a handpiece (D) allows the insertion of the needle along the circumference of the trunk.
- A needle holder (B) with a seat for housing the pharmaceutical syringe (B1) containing the therapeutic or nourishing solution.
- Gaskets (A1) allow the needle holder to adhere perfectly to the stem thus preventing the leakage of sap or liquids.
- A special hollow and perforated needle (A) to separate the tissues.

How to choose a needle

Depending on the tree species, a needle of appropriate length must be selected.

In case of interventions on broadleaf, it is sufficient to pierce the tissues 2 cm (53 mm needle). On conifers, it is advisable to use a longer needle (63 mm needle), which allows to overcome the resiniferous channels.

Choosing the kit

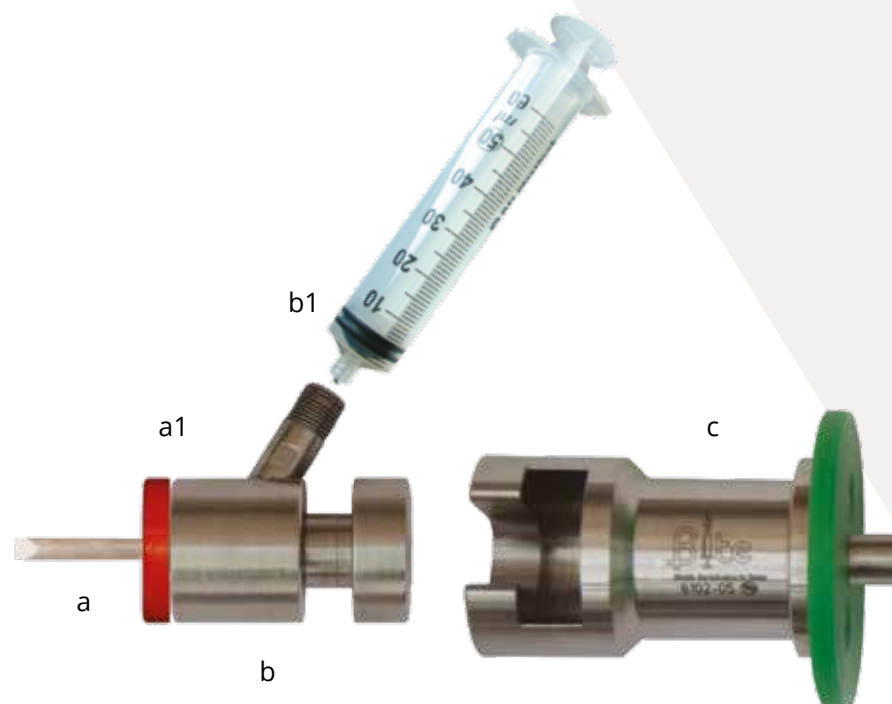
We offer three different kits to meet any requirement

TYPE OF KIT	C. THREADED ROD AND STRIKER	B. NEEDLE HOLDER	A. 35 mm NEEDLE	A. 53 mm NEEDLE	A. 65 mm NEEDLE	A1. GASKET Soft DIAM. 30 mm	A1. GASKET SuperSoft DIAM. 30 mm
1. KIT S	1 pc	3 pcs	3 pcs	3 pcs	3 pcs	3 pcs	3 pcs
2. KIT M	1 pc	5 pcs	5 pcs	5 pcs	5 pcs	5 pcs	5 pcs
3. KIT L	1 pc	10 pcs	10 pcs	10 pcs	10 pcs	10 pcs	10 pcs

SPARE PARTS	NUMBER OF PIECES
35 mm NEEDLE	1 pc
	5 pcs
53 mm NEEDLE	1 pcs
	5 pcs
65 mm NEEDLE	1 pc
	5 pcs
NEEDLE HOLDER	1 pc
SOFT GASKET	5 pcs
SUPERSOFT GASKET	5 pcs

Legend

- a. Special needle
- a1. Gasket
- b. Needle holder
- b1. Syringe housing
- c. Striker
- d. Handpiece





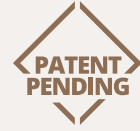
2 Sapjet® HD

POWDER CARRIER

Plant sap is a water-based solution that carries minerals inside the plant. Although common water is compatible with endotherapy, it does not manifest the same characteristics and peculiarities of the lymph. The perfect balance with the physiology of the plant is achieved with SAPJET® HD, a special patented carrier with a new formulation for the preparation of therapeutic solutions. SAPJET HD has been lyophilized to be more practical in the phase of preparation of the solution to be infused.

DOSAGE AND APPLICATION METHODS

To prepare the phytosanitary solution, add one sachet of SAPJET® HD per litre of water, possibly demineralized. One litre of the obtained solution is sufficient to treat up to 1000 cm of circumference.



COMPOSITION

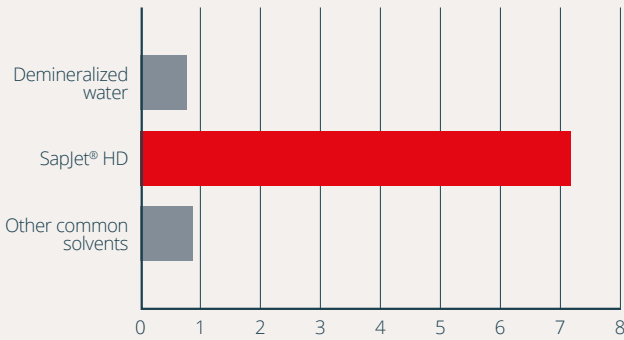
100% natural substances



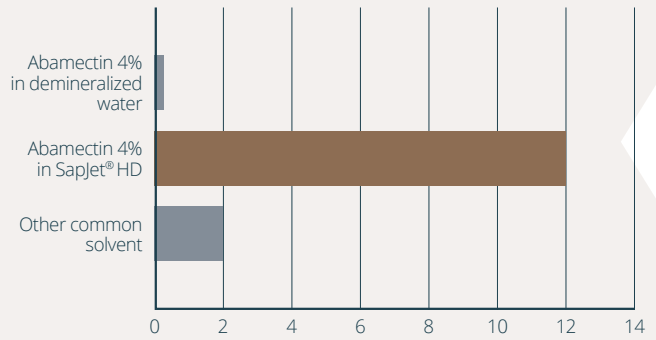
BOX

Q.ty: 10 sachets x 58,3 g

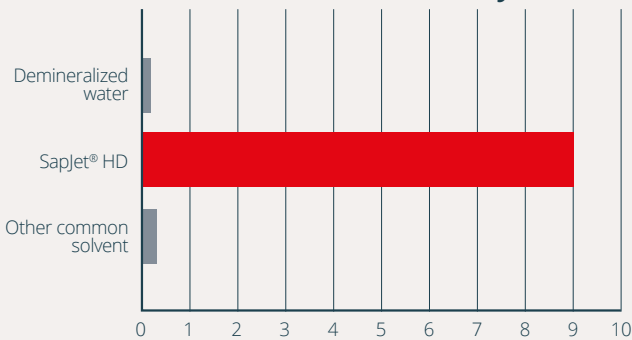
Acero Maple



Atlas cedar

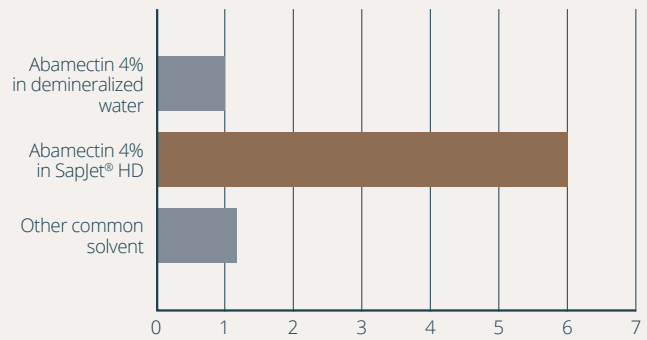


Himalayan cedar

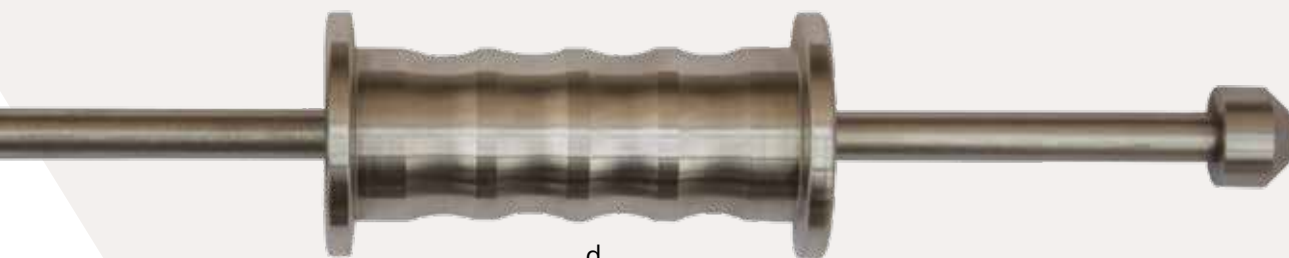


Comparison carried out between mL of solution naturally absorbed in a span time of 10 minutes

Lebanese cedar



Comparison made between ml of solution absorbed spontaneously in the time span of 10 minutes



d

Alphabetic index of products





Alphabetic index of products

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Alcorex® RTU	Disinfectants and detergents	p. 35	Cimirex Trap Maxi	Insect monitoring accessories	p. 23
All Beetle Dermestidae Beetles	Insect monitoring accessories	p. 20	CleanTech	Solvents	p. 27
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Bra-Newphen®	Disinfectants and detergents	p. 34	Labspray	Insecticides and acaricides	p. 11
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