

Professional, Zotech
Cereals Storage



newpharm

A photograph of two scientists in a laboratory setting, overlaid with a blue tint. The scientist on the left is an older man with a beard, wearing a white lab coat and a hairnet, looking down at a document with a graph. The scientist on the right is a younger man with a beard, also in a white lab coat and hairnet, holding a tablet and pointing at it. The background shows a blurred laboratory environment with bright 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

Customers are our priority

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

New History

A future rich of history.



Cida® introduces the first HACCP manuals in the agri-food sector.



Thanks to the intuition of Doctor Dionisio Bagarollo, Cida® is founded. The company is the result of a long experience in the Research & Development department at Ciba-Geigy (now Novartis), headquartered in Albignasego (Padua-Italy).



Cida® opens the new headquarters in Santa Giustina in Colle (Padua-Italy).



Newpharm® is founded.

Newpharm® is a company specialized in the development and marketing of insecticides, disinfectants and post-harvest grain storage pest control. Newpharm® creates a medical division specialized in equipment for different surgery departments



1982

1988

1991

1995

1997

1999

2001

2004



Cida® specializes in the pest control and disease vectors.

Cida® starts its activity in the medical industry with a wide range of products for the disinfection and sterilization of surgical equipment.



Cida® is one of the first companies in Italy to achieve the ISO 9001 Certification (Quality Management System).

Newpharm® launches new projects (post-harvest grain storage, fly and insect controls). Cida® Medical increases its portfolio with the introduction of endoscope washers.



1982-2020



Newpharm® Medical launches new projects involving hi-tech medical equipment (especially for minimally invasive surgery and pain therapy).



Newpharm® Home & Garden is created. Newpharm® Home & Garden is specialized in the production and marketing of products for vegetable gardens and domestic environments.

Cida® Medical increases its portfolio with the introduction of equipment for high-level disinfection of ultrasound probes.

Newpharm® Agro & Biocides launches an organic product line for post-harvest grain storage.

Newpharm® Medical launches the hand surgery solution project. Newpharm® achieves the Ecocert and the ISO 9001:2015 certifications.



Santa Giustina in Colle headquarters are enlarged: warehouses and office area have doubled their size.

2007

2008

2014

2015

2016

2017

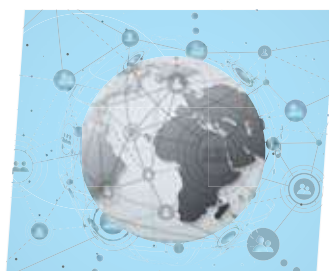
2018

2019



Newpharm® introduces the Biosecurity project. It consists on a wide range of complete solutions for the environmental hygiene and the red mite control.

Newpharm® enters the international market.



Newpharm® Home & Garden acquires the brand Fitoguard (Arysta). The Newpharm® Group inaugurates the new headquarters.

The Newpharm® Group is part of De Rebus Plantarum, a spin-off of the University of Padua.

Newpharm® Home & Garden launches "Il mio orto Bio" (My organic vegetable garden"), an organic product line perfect for domestic use.

Newpharm® Professional is created, with specific projects for the professionals of the pest control market.





New Identity

Rebranding Newpharm® Group

newpharm

**People:
the centre
of our universe.**

Sharon

New Group

Together to make a difference

Our contribution for a better future

Newpharm® is the right answer, globally-speaking, for those who are looking for innovative solutions for the safety and well-being of people. Perseverance, resilience and optimism have been our 3 most important cornerstones for almost 40 years.

1
GROUP

Know-how, professionalism and organization

The companies of the Newpharm® Group have key competences in the Agro, Pest-control and Medical sectors. The specialized business units are focused on the needs of the markets they operate in, offering added value and competitive solutions.

4
COMPANIES

 OCIDA

 newpharm

Our ideas cross the borders

The future-oriented group works in more than 20 countries around the world. Nowadays, the companies of the Newpharm® Group can count on a solid team of professionals efficiently structured thanks to a clear-cut project and a dynamic organization.

20+
COUNTRIES**One team, one family**

More than 100 associates work every day to contribute to the success of our clients integrating professionalism, scientific research and technical-commercial support in order to offer innovative technologies and the best solutions.

100+
PROFESSIONALS**newpharm**

HOME & GARDEN

de
rebus
plantarum

PAN srl Spin-off dell'Università di Padova



New Business Units

Innovation in order to grow in every sector



newpharm
PROFESSIONAL

Newpharm® Professional guarantees cutting-edge products and technologies for the professional pest control and the environmental hygiene.

newpharm
ZOOTECH

Newpharm® Zootech deals with the production and marketing of solutions for the biosecurity in livestock industries.



newpharm

CEREALS STORAGE

Newpharm® Cereal Storage offers innovative solutions for the post-harvest grain storage.

newpharm

MEDICAL

Newpharm® Medical is specialized in high-tech medical equipment for minimally invasive surgery.

New Consciousness

Know-how and consciousness go alongside

Creativity and innovation

The R&D activity is a strategic function for Newpharm®. Newpharm collaborates with Universities, Research Institutes and National and European accredited laboratories. The main aim is to research, improve and develop innovative, efficient and high quality products and solutions, respecting the environment.



Quality and traceability

The company performances of the Newpharm® Group are constantly monitored in order to optimize the processes. Specific procedures are devised and implemented for a homogeneous workflow and a continuous development in order to reach the company objectives.



Conscious development

Newpharm® is playing an active and conscious role in the protection of the environment, raising awareness among its staff, commercial partners and providers in order to achieve the objectives regarding the well-being of the environment and the reduction of energy consumption to pursue the commercial strategy connected with eco-sustainability criteria while purchasing goods and services.



80+

REDUCTION OF 80+ TONS OF CO₂

Newpharm® thinks environment protection and eco-sustainability are fundamental values. This is the reason why we put all our efforts to create a new headquarter completely self-sufficient. Among the renewable energies employed in the Newpharm® Group establishments, the photovoltaic power system has permitted a reduction of 80 tons of CO₂ emissions in the last year.

50%

ENERGY SELF-SUFFICIENCY

Newpharm® thinks natural solutions, which protect our health and the environment, are not only a strategic driver in terms of future development but also a necessary responsibility. The companies of the Newpharm® Group are focused on the development of products and services capable of improving the safety and well-being of people as well as paying particular attention on the protection of the environment.

New Quality

Customers are our priority

Innovate to excel

Doctor Dionisio Bagarollo, founder of the Newpharm® Group, has developed and taken a virtuous and future-looking path. Doctor Bagarollo is supported by his son Enrico and his daughter Claudia. The will to improve the company performances is sustained by constant investments on professional trainings to acquire know-how and ensure the growth of the Newpharm® Group.

Certified quality

Newpharm® constantly monitors the company processes in order to improve the organizational and management performances and guarantee high-quality products and services.

Team play

To Newpharm®, quality is an important value. Indeed, an adequate customer service, an excellent professionalism, reliability and a constant innovation. Contribute to the customer satisfaction.



Safety and traceability

Newpharm® adds to its solutions also a wide range of Ecocert certified detergents. In fact, they are products of natural and vegetable origin which can be used in organic productions and have been specifically designed for the cleaning in industrial and civil environments. Made of ingredients coming from exhausted agricultural matrices or subproducts of the food industry, they do not have any negative impact on the ecosystem.



New Professionals

Specific solutions for the professionals of the future

Professionals of the Pest control

CUTTING-EDGE SOLUTIONS FOR PEST CONTROL AND DISINFECTION



Professionals of the Food industry

EFFECTIVE STRATEGIES FOR THE PEST AND PATHOGEN CONTROL IN THE ENTIRE FOOD CHAIN.



Professionals of the Zootechnical sector

SOLUTIONS FOR THE BIOSECURITY IN THE LIVESTOCK INDUSTRY



Professionals of the Cereal storage

SOLUTIONS FOR THE PEST CONTROL AND DISINFECTION OF POST HARVEST CEREALS



Professionals of the Green areas

INNOVATIVE PRODUCTS AND SPECIFIC SOLUTIONS FOR THE GREEN AREAS' MAINTENANCE



Newpharm® Academy

Information, training and active participation. Newpharm® offers high-quality courses for the professionals of the pest control and the disinfection.

Newpharm® offers its technical know-how and its long experience in the sector and organizes courses and workshops for the professionals in its headquarters or in the customers companies.

- **Integrated Pest Management**
- **Biosecurity and pest control in zootechnical environments**
- **Professional pest control and environmental hygiene**
- **Post-harvest grain storage**
- **New endotherapy techniques**

80+

Hours dedicated to internal trainings

20+

Newpharm® Workshops and Roadshows

10+

Participations in Trade Fair and Exhibitions

20+

Participations in Conferences and Meetings

Fairs and Exhibitions

FIERAGRICOLA
114th International Agricultural Technologies Show

Agriumbria
Sotto il segno, una passione

PEST-PROTECT.

VIVIMIA 2020

EuroTier
First in animal farming.

PARASitec 2020

We participate at the most important exhibitions of the sector in Italy and abroad.

New Communication

Useful and functional tools for your job

WWW.NEWPHARM.IT

Technical Sheets
Available for
Download



Find Your
Product



Newpharm®
Academy



Online
Entomologist



Technical
Updates
and News

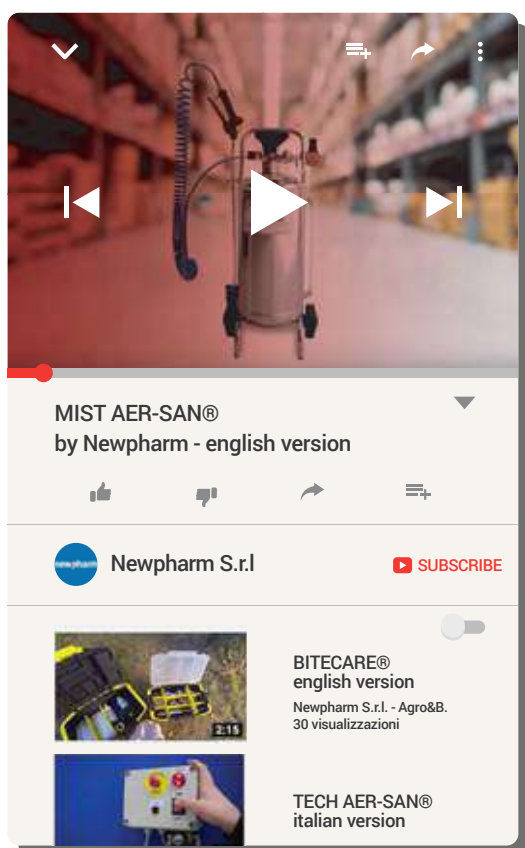


Newsletter



Video Tutorial

Newpharm® promotes the conscious use of its products and suggests the most appropriate solutions for the different fields of application. In the Newpharm® YouTube Channel you can discover our videos tutorial which explain in an easy way the solutions and the functionalities of the applicative technologies.



New IPM Strategies

Targeted programs for pest control operators

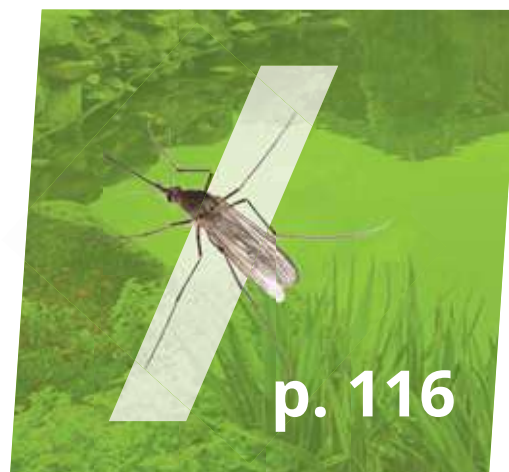
PROJECT No-more-flies

Targeted solution for
flies control



PROJECT No-more-mosquitoes

Integrated strategies
for their efficient control



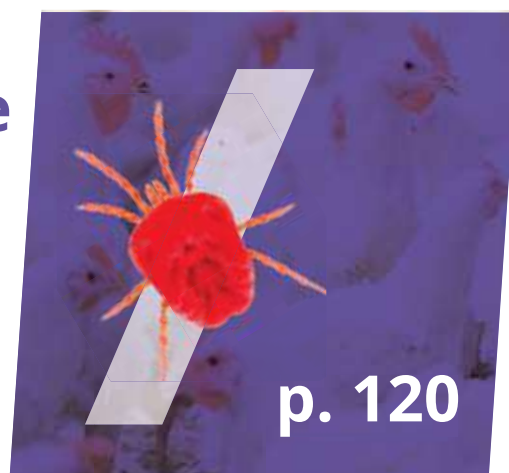
PROJECT Cockroaches

Prevention
and preservation
against infestations



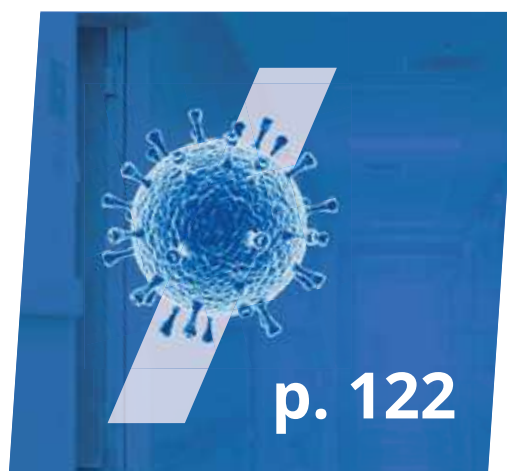
PROJECT Red mite & darkling beetle

Acaricides and insecticides solutions



PROJECT Hygiene

The efficient disinfection of every environment



New Catalogue

Legend and Symbols

INSECTICIDES
AND ACARICIDES



Larvmeth IGR

GRANULAR FLY LARVICIDE

This is a fly growth inhibitory (IGR) 5-Methoprene based, a juvenile hormone's analogue. By using the product, the regular growth of insect juvenile stages (larvae and pupae) is inhibited. Moreover, the product strongly decreases the number of feeding flies and it is efficient against flies resistant to traditional insecticides.

COMPOSITION:
5-Methoprene 0.4 g

FIELDS OF APPLICATION



TARGET INSECTS

Flying insects: marked action against Diptera's larvae (flies, blowflies, mosquitoes), mths.

Crawling insects: beetles (Tenebrionids and Carabidae), ants and fleas.

DOSE AND APPLICATION METHOD

As it is: sprinkle 300 g every 10 m² on a substrate with a thickness of less than 10 cm. Please use suitable equipment.

If the substrate is dry, carefully moisten the treated area after the product is applied.

Repeat the treatment at intervals of 2-4 weeks or when the accumulation of substrate exceeds 10 cm.



BUCKET
Code 1072720
QTY: 4 pc x 5 Kg

Code 1072730
QTY: 1 pc x 20 Kg



26 / Larvicide



Newset 10

INSECTICIDE-ACARICIDE AQUEOUS MICROEMULSION

NEWSET 10 is an odourless based on a photostable pyrethrin by contact and ingestion for the insects. The product has a broad control of target insects with a formulated in aqueous microemulsion processed to make the formula the insecticidal-acaricidal active.

DOSE AND APPLICATION METHOD
The product should be diluted in 10 ml in 10 liters of water.

Against flying insects: dilution in 10 ml of water (1:10).

Against crawling insects: dilution in 10 ml of water (1:10).

Treatment on ornamental plants: dilution in water of the lowest providing a uniform wetting and Thermal foggers treatments: suitable solvent.

External treatment with acaricides: sandflies 10-40 ml in 10 liters of water.

FIELDS OF APPLICATION



TARGET INSECTS

Flying insects: mosquitoes (genus Culex and Aedes), Tiger mosquitoes (Aedes albopictus).

Crawling insects: mites (ticks).

Mites: ticks (Ixodes ricinus).



BOTTLE
Code
QTY: 12 pc x 1 l



New-Wall

CONCENTRATE INSECTICIDE IN AQUEOUS MICROEMULSION

This is a triple-action concentrate with removal and residual action. The broad spectrum insecticide (4-6), depending on the environment extended to turfs, hedges, but protection against mosquitoes.

DOSE AND APPLICATION METHOD
This insecticide solution has to be of 1 l per 10-20 m².

Against flying insects for indoor: of product in 10 l of water (1:10).

Against crawling insects for indoor: of product in 10 l of water (1:10).

Against crawling insects for outdoor: in 10 l of water (2-3%).

Outdoors treatments with acaricides: (0.2-0.8%).

Thermal foggers: 40-120 ml of 10.000 m² (one-hectar).

FIELDS OF APPLICATION



TARGET INSECTS

Flying insects: houseflies and flies (also domestic), tiger mosquitoes (Aedes albopictus), sandflies, chironomids.

Crawling insects: cockroaches, mites (Ixodes ricinus), Blatta orientalis, fleas, bedbugs.

Mites: ticks (Ixodes ricinus).



BOTTLE
Code 8020104
QTY: 12 pc x 1 l

Fields of Application



Green Areas

Gardens, Lawns,
Flowerbeds, Public
Green Areas



Civil Environments

Offices, Schools,
Houses and Public
Buildings



Ho. Re. Ca

Restaurants, Hotels,
Bars, Caterings
Businesses and
Canteens



Means of transport

Coaches, Trains,
Airplanes and
Boarding Areas



Zootechnical areas

Livestock Industries,
Stables and Rural
Environments



Healthcare Environments

Clinics, Hospitals
and Pharmacies



Industries and Warehouses

Production and
Storage Areas



Food Industries

Industries for Food
Processing

INSECTICIDES
AND ACARICIDES

0 E CONCENTRATED IN SION

concentrated Insecticide-acaricide
throid (CYPERMETHRIN) which acts
e control of flying, crawling and tick
ad spectrum of action and a rapid
good residual effect. NEWSET 10
emulsion. The active ingredient is
tion more stable and to guarantee
y.

THOD

n water in ratio 0.4% to 1% (40-100

in water at 0.4% (40 ml/10 liters);
on in water at 0.5% (50 ml/10 liters);
at 1% (100 ml/10 liters).

reen areas against mosquitoes:
dose (40 ml in 10 liters of water),
avoiding dripping.
use 50 ml of product in 1 liter of

mizers: chironomid mosquitoes,
water (0.1-0.4%).

TANK
Code
QTY: 1 pc x 10 l

CIDE AND ACARICIDE ULSION

trated insecticide (knock down,
outdoor and indoor pest control.
e action persists for some weeks
onments. The treatment can be
shes, tree-lined avenues for the

THOD

be sprinkled on surfaces at a rate

ors treatments: dilute 120-160 ml
(6%).

doors treatments: dilute 200-300
(3%).

utdoors treatments: 200-300 ml

mizers: 20-80 ml in 10 l of water

product in PHYTOROB solvent for

TANK
Code 8020105
QTY: 1 pc x 10 l

COMPOSITION
Pure cypermethrin: (Cis/
trans: 40/60) g. 10
Coformulants and water q.s.
to g. 100

COMPOSITION
Cypermethrin min 92%
(cis/trans: 40/60) 4.35 g
Tetramethrin min
95%: 0.8 g
Piperonyl Butoxide
min 94%: 2.4 g

Concentrated / 27



Insecticides and acaricides

PAG. 25



Insect monitoring accessories

PAG. 47



Solvents and carriers

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Disinfectants and detergents

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Rodenticides and stations

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Professional equipment

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Bitecare[®] endoinfusion

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IPM projects strategies

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Insecticides and acaricides



Insecticides and Acaricides

Larvicides

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Adulticides

Concentrated

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Powder

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Larvmeth® IGR

READY TO USE GRANULAR FLY LARVICIDE

This is a fly growth inhibitory (IGR) S-Methoprene based, a juvenile hormone's analogue. By using the product, the regular growth of insect juvenile stages (larvae and pupae) is inhibited. Moreover, the product strongly decreases the number of fledging flies and it is efficient against flies resistant to traditional insecticides.

COMPOSITION

S-Methoprene: 0,4 g

FIELDS OF APPLICATION



DOSE AND APPLICATION METHOD

As it is: sprinkle 300 g every 10 m² on a substrate with a thickness of less than 10 cm. Please use suitable equipment.

If the substrate is dry, carefully moisten the treated area after the product is applied.

Repeat the treatment at intervals of 2-4 weeks or when the accumulation of substrate exceeds 10 cm

TARGET INSECTS

Flying insects: marked action against Diptera's larvae (flies, blowflies, mosquitoes), moths.

Crawling insects: beetles (Darkling beetle and Carabidae), ants and fleas.



BUCKET

Q.ty: 4 pc x 5 Kg

Q.ty: 1 pc x 20 Kg





line Newset 10

CONCENTRATED INSECTICIDE AND ACARICIDE IN WATER MICROEMULSION

NEWSET 10 is an odourless concentrated insecticide-acaricide based on a photostable pyrethroid (CYPERMETHRIN) which acts by contact and ingestion for the control of flying, crawling and tick insects. The product has a broad spectrum of action and a rapid control of target insects with a good residual effect. NEWSET 10 is formulated in water microemulsion. The active ingredient is processed to make the formulation more stable and to guarantee the insecticidal-acaricidal activity.

DOSE AND APPLICATION METHOD

The product should be diluted in water in ratio 0.4% to 1% (40-100 ml in 10 liters of water).

Against flying insects: dilution in water at 0.4% (40 ml./10 liters);

Against crawling insects: dilution in water at 0.5% (50 ml./10 liters).

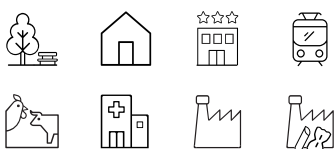
Against ticks: dilution in water at 1% (100 ml./10 liters).

Treatment on ornamental green areas against mosquitoes: dilution in water of the lowest dose (40 ml in 10 liters of water), providing a uniform wetting and avoiding dripping.

Thermal foggers treatments: use 50 ml of product in 1 liter of suitable solvent.

External treatment with atomizers: chironomid mosquitoes, sandflies 10-40 ml in 10 liters of water (0.1-0.4%).

FIELDS OF APPLICATION



TARGET INSECTS

Flying insects: mosquitoes (*genus Culex and Aedes*), Tiger mosquitoes (*Aedes albopictus*).

Crawling insects.

Mites: ticks (*Ixodes Ricinus*)



BOTTLE

Q.ty: 12 pc x 1 l



TANK

Q.ty: 1 pc x 10 l



line New-Wall

CONCENTRATED INSECTICIDE AND ACARICIDE IN WATER MICROEMULSION

This is a triple-action concentrated insecticide (knock down, removal and residual action) outdoor and indoor pest control. The broad spectrum insecticide action persists for some weeks (4-6), depending on the environments. The treatment can be extended to turfs, hedges, bushes, tree-lined avenues for the protection against mosquitoes.

DOSE AND APPLICATION METHOD

This insecticide solution has to be sprinkled on surfaces at a rate of 1 l per 10-20 m².

Against flying insects for indoors treatments: dilute 120-160 ml of product in 10 l of water (1.2-1.6%).

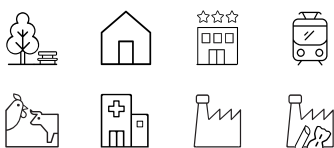
Against crawling insects for indoors treatments: dilute 200-300 ml of product in 10 l of water (2-3%)

Against crawling insects for outdoors treatments: 200-300 ml in 10 l of water (2-3%)

Outdoors treatments with atomizers: 20-80 ml in 10 l of water (0.2-0.8%).

Thermal foggers: 40-120ml of product in PHYTOROB solvent for 10.000 m² (one hectar).

FIELDS OF APPLICATION



TARGET INSECTS

Flying insects: horseflies and flies (*Musca domestica*), tiger mosquitoes (*Aedes albopictus*), sandflies, chironomid.

Crawling insects: cockroaches, roaches (*Blattella germanica*, *Blatta orientalis*), fleas, bedbugs.

Mites: ticks (*Ixodidae*)



BOTTLE

Q.ty: 12 pc x 1 l



TANK

Q.ty: 1pc x 10 l

COMPOSITION

Cypermethrin min 92% (cis/trans: 40/60) 4.35 g

Tetramethrin min 95%: 0.8 g

Piperonyl Butoxide min 94%: 2.4 g

Pyrethrum Line

A complete range
of pyrethrum-based products



43
PAG.

Nuvex® Aerosol

READY TO SPRAY AEROSOL INSECTICIDE

Specific insecticide containing natural pyrethrum for internal areas.

What is the pyrethrum?

The pyrethrum (*Chrysanthemum cinerarifolium*) is widespread all around the world, but it is extensively cultivated only in Kenya, the world's largest producer, Rwanda and Australia. Natural pyrethrins are a class of organic compounds that have potent insecticidal activity. Pyrethrins can be obtained after a complex process on a flower which is similar to a daisy: it is a bushy, officinal plant of the Composite (or Asteraceae) family, the Pyrethrum.

Natural pyrethrins were casually discovered in 1840 and are now widely employed in the agricultural and civil environments thanks to their fast-acting effects on a wide range of insects.





Nuvex® EC

EMULSIFIABLE CONCENTRATED INSECTICIDE

Made of natural pyrethrum, this pesticide is instantly effective in fighting crawling and flying insects.

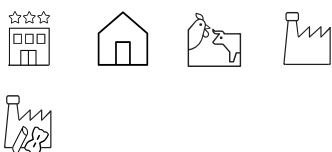
NUVEX® EC has an exceptional flushing out and repulsive power.

COMPOSITION

Pure pyrethrins:
2.55 g (=25 g/l)

Pure piperonyl butoxide:
16.32 (=160 g/l)

FIELDS OF APPLICATION



TARGET INSECTS

Flying insects: flies, mosquitoes, Pappataci, wasps, hornets, moths.

Crawling insects: cockroaches, ants, foodstuff insects, darkling beetle.

DOSE AND APPLICATION METHOD

Low-pressure pumps: NUVEX® EC has to be diluted in water in ratio 1:100 rate (1l of NUVEX® EC in 100 l of water to treat a surface of 100-150 m²).

ULV nebulizers: dilute 1 part of NUVEX® EC in 4 parts of BIOSOL® NEW solvent for cold applications.

Thermal foggers: dilute 1 part of NUVEX® EC in 8 parts of PHYTOROB® solvent.



BOTTLE

Q.ty: 10 pc x 1 l



live Nuvex® NO PBO

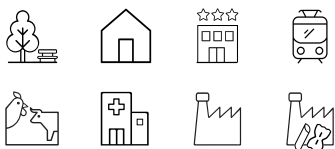
EMULSIFIABLE CONCENTRATED INSECTICIDE

Formulated with natural pyrethrins, this insecticide has a strong knock-down effect against all kinds of insects. Its formulation does not include any chemical agents: this is why it is suitable for the food industry.

COMPOSITION

Pure pyrethrins:
2.5 g (=22 g/l)

FIELDS OF APPLICATION



TARGET INSECTS

Flying insects: flies, mosquitoes, Pappataci, wasps, hornets, moths.

Crawling insects: cockroaches, ants, foodstuff insects, darkling beetle.

DOSE AND APPLICATION METHOD

Low-pressure pumps: NUVEX® NO PBO has to be diluted in water in ratio 0.8% (80 ml in 10 l of water are sufficient to treat a surface of 100-150 m²).

ULV nebulizers: dilute 1 part of NUVEX® NO PBO in 4 parts of BIOSOL® NEW solvent for cold applications.

Thermal fog generators: dilute 2 part of NUVEX® NO PBO in 3 parts of PHYTOROB® solvent.



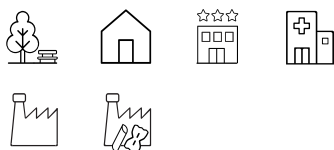
BOTTLE

Q.ty: 6 pc x 1 l





FIELDS OF APPLICATION



TARGET INSECTS

Flying insects: flies (*house fly*), blue bottle fly, horsefly, mosquitoes (*genus Culex and Aedes*), sandflies, wasps (*Vespula spp.*).

Crawling insects: cockroaches (*Oriental cockroach, German cockroach, American cockroach*).

Mites: ticks (*Ixodes ricinus*).

line Newthrin

CONCENTRATED INSECTICIDE IN WATER MICROEMULSION

NEWTHRIN is a broad-spectrum insecticide which acts by contact and ingestion. It has a knock-down effect and a long-lasting action. Being solvent-free, NEWTHRIN is odourless and non-flammable. NEWTHRIN is suitable for indoor and outdoor environments. It is a promptly soluble concentrated liquid and can be used with pressure pumps, motorized nebulizers and thermo-fogging generators.

DOSE AND APPLICATION METHOD

Against flying insects for indoor treatments:

dilute 80-120 ml in 10 l of water (0.8-1.2%) – 1 l of solution can treat an area of 500 m³.

Against crawling insects for indoor treatments:

dilute 150-200 ml in 10 l of water (1.5-2%). The insecticide solution must be sprayed on the surfaces frequented by the insects, use 1 l of solution for 20 m².

Outdoors treatments:

dilute 400-800 ml in 100 l of water (0.4-0.8%) and spray the solution with LV sprayers, use 100 l of solution for 10.000 m².

Outdoors treatments with thermo-fogging generators:

dilute 100 ml in 900 ml of propylene glycol or other suitable solvent. The solution should be used for an area of approximately 3.500 m³.



BOTTLE

Q.ty: 12 pc x 1 l

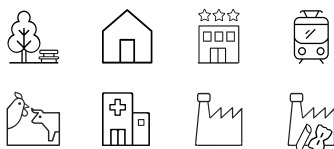


TANK

Q.ty: 1 pc x 10 l



FIELDS OF APPLICATION



TARGET INSECTS

Flying insects: flies (*Musca domestica, Stomoxys calcitrans*), wasps, hornets.

Creeping insects: cockroaches, ants.

line Newtera

EMULSIFIABLE CONCENTRATED INSECTICIDE

NEWTERA is a pyrethroid insecticide able to control the main flying insects, such as houseflies (*Musca domestica*), stable flies (*Stomoxys calcitrans*), wasps, hornets, and creeping insects, such as ants and cockroaches of different species, which infest public and private environments. The product is intended for civil, industrial and zootechnical use. NEWTERA has a knock down action and a prolonged residuality. It remains active for several weeks allowing a long period of coverage in the treated environments.

DOSE AND APPLICATION METHOD

The doses of use indicated refer to an area of 100 square meters.

Cockroaches, flies, blowflies, wasps, hornets: 100 ml./5 liters of water.

Ants: 50 ml./5 liters of water. For the treatment of anthills, use about 50 ml of the solution obtained for each nest



BOTTLE

Q.ty: 12 pc x 250 ml

Q.ty: 12 pc x 500 ml

Q.ty: 12 pc x 1 l



TANK

Q.ty: 1 pc x 10 l single



line Newrebi

EMULSIFIABLE CONCENTRATED INSECTICIDE

NEWREBI is a concentrated emulsifiable insecticide based on Cypermethrin, a photostable synthetic pyrethroid particularly suitable for the fight against insects of sanitary importance such as: flies, mosquitoes, fleas, bedbugs, cockroaches, ants, wasps, woodworms. It is effective against insects that have shown resistance to other insecticides. The product acts by contact and ingestion and has a persistence of action of several weeks, thus entailing a significant reduction in intervention costs. We recommend using the NEWREBI for applications outdoors.

COMPOSITION

Cypermethrin pure (cis/trans:40/60) g. 4,65
Emulsifiers and deionized water q.s. to g. 100

FIELDS OF APPLICATION



TARGET INSECTS

Flies, mosquitoes, fleas, bedbug, cockroaches, ants, wasps, woodworms.

DOSE AND APPLICATION METHOD

NEWREBI is used diluted in water at a dose of 1-2%; the higher dose should be used in the presence of insects particularly resistant, with heavy fly infestation or when poorly absorbent walls have to be treated.

With 1 liter of freshly prepared emulsion, a 10-20 square meters surface pump is sprayed with a pressure sprayer.



BOTTLE

Q.ty: 12 pc
x 250 ml

Q.ty: 12 pc
x 500 ml

Q.ty: 12 pc
x 1 l



TANK

Q.ty: 1 pc
x 10 l single



Newcidal® Delta

SUSPENSION CONCENTRATED INSECTICIDE

NEWCIDAL® DELTA is a concentrated insecticide with a specific formulation for crawling insects' control. It is easily dispersible in water; preliminary preparations are not needed.

With NEWCIDAL® DELTA, the treatment in the interested area will be more homogeneous.

COMPOSITION

Deltamethrin: 2,5%
Bittering agent: 0,002%

FIELDS OF APPLICATION



TARGET INSECTS

Crawling insects: cockroaches, stink bugs, moths, ants, weevils, woodworms

DOSE AND APPLICATION METHOD

Apply NEWCIDAL® DELTA with LV sprayers or ULV systems on infested places or in potential shelters.

Against crawling insects: dilute 50 ml of NEWCIDAL® DELTA in 5 l of water (1%). The solution is sufficient for an area of 100m².



BOTTLE

Q.ty: 12 pc x 1 l



Nuvacid® 50

EMULSIFIABLE CONCENTRATED INSECTICIDE

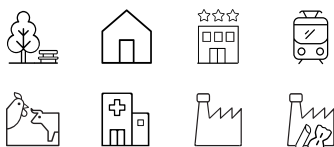
NUVACID® 50 is a concentrated insecticide with an excellent knock down effect and a broad spectrum of action for indoors and outdoors pest control. Thanks to its low toxicity for humans and animals, it plays a fundamental role in the rapid control of pathogenic micro-organisms' vectors.

COMPOSITION

Pure tetramethrin:
2.85 g (=23.9 g/l)

Pure piperonyl butoxide:
13.86 g (= 116.4 g/l)

FIELDS OF APPLICATION



TARGET INSECTS

Flying insects: flies and mosquitoes (including tiger mosquitoes), foodstuff insects.

Crawling insects: cockroaches, stink bug, fleas, warehouses parasites and other insects of sanitary interest.

Mites.

DOSE AND APPLICATION METHOD

Hand pumps:

Against mosquitoes in green areas or on plants:

1-1.5 l of NUVACID® 50 in 100 l of water.

- Against flying insects: 50-75 ml of NUVACID® 50 per 300 m³.
- Against crawling insects: 75-100 ml of NUVACID® 50 per 300 m³.

Cold ULV nebulizers: water employed for dilution can be replaced by NEWSOL® or BIOSOL® NEW solvents for cold ULV interventions.

Thermal foggers: preventively mix NUVACID® 50 with PHYTOROB® solvent.



BOTTLE

Q.ty: 12 pc x 1 l



live Newcidal® Eto Plus

CONCENTRATED INSECTICIDE IN WATER MICROEMULSION

NEWCIDAL® ETO PLUS is an insecticide which acts by contact and ingestion. It has a strong knock-down effect and a moderate persistence. Etofenprox and Tetramethrin active substances give the product a broad spectrum effects. NEWCIDAL® ETO PLUS is very efficient in driving out insects from their nests, has a fast knock-down effect and it is a low-toxicity insecticide. NEWCIDAL® ETO PLUS is suitable for indoor and outdoor treatments. It is ready to be diluted in water and can be used with pressure pumps, motorized nebulizers and thermo-fogging generators.

DOSE AND APPLICATION METHOD

LV pressure pumps against crawling insects for indoor and outdoor environments: dilute 150 ml in 10 l of water (1.5%). The insecticidal solution must be sprayed in the infested areas. 1 l of solution can treat an area of 10 m².

ULV sprayers: against flies, dilute 100-150 ml in 10 l of water (1-1.5%). Against mosquitoes, dilute 50 ml in 10 l of water (1.5%). The insecticide solution must be sprayed in the interested area in ratio 1 l/10 m².

Thermo-fogging generators: dilute 150 ml in 850 ml of propylene glycol or PHYTOROB®. The solution should be used for an area of approximately 3,000 m³.



COMPOSITION

Pure etofenprox: 3.0 g
Pure tetramethrin: 2.5 g
Piperonil Butoxide: 6.0 g



- ✔ Quick knock-down effect
- ✔ Low toxicity
- ✔ Ideal for both indoor and outdoor environments
- ✔ Effective in driving out insects from their nests

FIELDS OF APPLICATION



TARGET INSECTS

Flying insects: flies (*house fly*), mosquitoes (*Aedes albopictus* and *Culex pipiens*) and other flying insects. It has a strong insecticidal activity especially against stink bugs.

Crawling insects: cockroaches (*oriental cockroach*), ants (*Lasius spp.*) and other crawling insects.



BOTTLE

Q.ty: 12 pc x 1 l



TANK

Q.ty: 4 pc x 5 l

Nuvacid® 7

READY TO USE INSECTICIDE

NUVACID® 7 is a ready-to-use insecticide with a high knock-down effect. It is a broad-spectrum insecticide and is suitable for the pest control of both indoor and outdoor environments.

COMPOSITION

Tetramethrin pure: 1.06 g
(= 9.1 g/l)

Piperonil Butoxide pure: 4.95 g
(42.6 g/l)

DOSE AND APPLICATION METHOD

NUVACID® 7 should be sprayed especially in corners, cracks and where insects walk or usually rest.

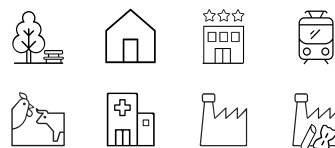
LV pressure pumps: 1 l of NUVACID® 7 can treat an area of 100 m².

ULV sprayers: 110-120 ml of NUVACID® 7 can treat an area of 100 m³. Spray the product on the surface to be treated and leave to work for 2-4 hours. Keep premises closed at all times, then ventilate premises thoroughly.

Thermo-fogging generators: 7-100 ml of NUVACID® 7 can treat an area of 100 m³.



FIELDS OF APPLICATION



❑ Ideal with ulv sprayers and thermo-fogging generators

❑ High knock-down effect

❑ Broad spectrum insecticide

TARGET INSECTS

Flying insects: flies and mosquitoes (including the Asian tiger mosquito), food moths.

Crawling insects: beetles and cockroaches, stink bugs, fleas, warehouses and foodstuff pests and other insects of sanitary interest.

Mites



TANK

Q.ty: 4 pc x 5 l



Newcidal® Delta Caps

MICROENCAPSULATED CONCENTRATED INSECTICIDE

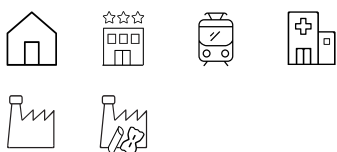
NEWCIDAL® DELTA CAPS is used in indoor environments to effectively eliminate crawling insects which nest in cracks, crevices and corners.

Microencapsulation confers the product a high residuality.

COMPOSITION

Deltamethrin: 2.5 g

FIELDS OF APPLICATION



TARGET INSECTS

Crawling insects: stink bugs, cockroaches, ants, moths, fleas, and other bugs.



TANK

Q.ty: 12 pc x 1 l



Focus Diatomaceous Earth

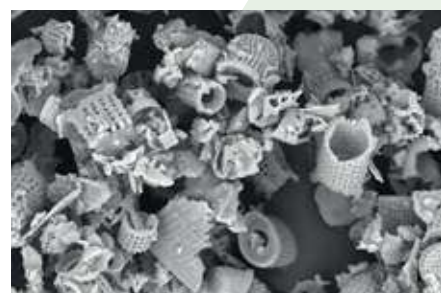
From the past, the insecticide of the future

In food industry, as well as in the civil sector, benefiting of a persistent insecticide effect, while remaining within an integrated pest management (IPM) program, is becoming more than a necessity.

To satisfy the market needs, Newpharm® has decided to invest on a natural insecticide characterized by an undisputed residuality: **diatomaceous earth**.

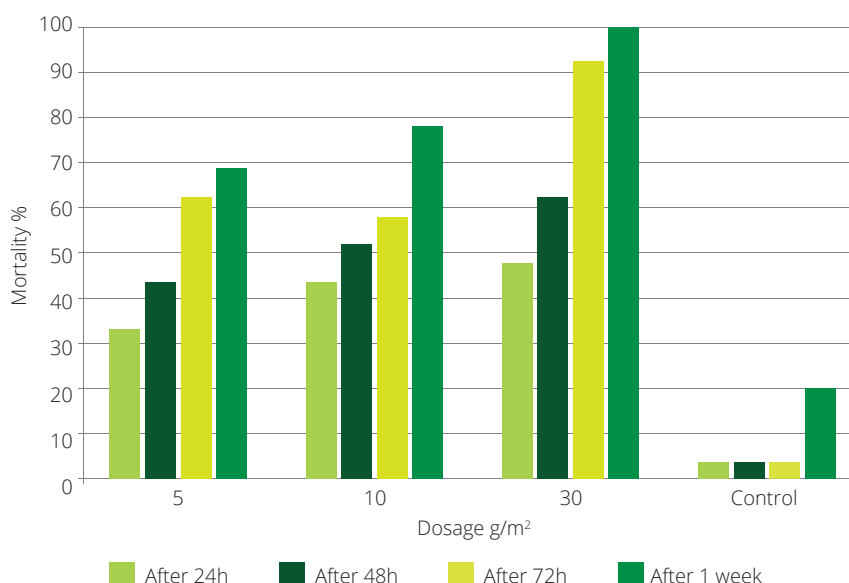
This is an inert dust, originated from amorphous sediments comprised of fossilized algae's carapace.

Diatomaceous earth is the outcome of the procession of unicellular algae originated from the seabed. These algae, thanks to their crystalline structure, cause lethal abrasions on insects and mites.



Diatomaceous earth under an electron microscope

Diatomaceous Earth effects on cockroaches



Diatomaceous earth's aspect is similar to talc and its lightness results in an instant absorption of the product in the bodies of the insects when they get in contact with the treated areas.

Especially in the fight **against beetles**, diatomaceous earth settles in the intersegmental areas under the cuticle, thus causing soft tissues injuries.

The acaricide action is even more accentuated, as mites have a very thin outer cuticle, which can be very easily affected by this product.

Knock down Effect:

All crawling pests, from bugs to mites, without excluding lepidoptera's larvae, after being in contact with this undetectable powder, lose the ability of eating. Moreover, as the insects move, the microscopical and extremely sharp crystalline structures provoke deadly injuries.



**Recidal® Sil
Aerosol**

**READY TO
SPRAY AEROSOL
INSECTICIDE**

p. **43**

Recidal® Sil

NATURAL POWDER WITH BIOPHYSICAL AND DEHYDRATING PROPERTIES

Recidal® Sil is natural powder with biophysical and dehydrating properties made of diatomaceous earth. It can be used in domestic and zootechnical environments, green areas and all those areas infested by ants, fleas, mites, etc.

Recidal® Sil must be applied on the whole area to be treated. It is a ready-to-use product to use in ratio 30-50 g/m² or it can be diluted in water. In the latter case, it is suggested to mix 1 kg of Recidal® Sil in 3-5 l of water making sure to constantly stir the mixture during the application.

DOSE AND APPLICATION METHOD

Small and medium-size areas: disperse the powder manually or with a duster.

Medium and large-size areas: disperse the powder with a duster or with a sprayer equipped with vertical bars or use the ventilation system.

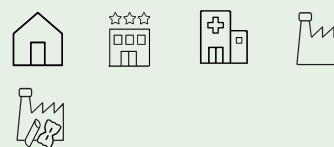
COMPOSITION

Diatomaceous earth
(Kieselgur): 100%



- ✓ Ideal for organic productions
- ✓ Used in the presence of animals
- ✓ Maximum residue level
- ✓ No resistances from pests
- ✓ Fundamental in IPM programmes

FIELDS OF APPLICATION



TARGET INSECTS

Poultry Red Mite control
(*Dermanyssus gallinae*).

Pests such as ants, silverfishes, moths, insects and arachnids in warehouse.



BAG

Q.ty: 1pc x 2 kg

Q.ty: 1pc x 15 kg

Focus Mixture of hydrolates

To fight harmful insects efficiently

Recent studies show repellent effects of some substances of natural origin on mosquitoes and other harmful flying insects. Aromatic medicinal plants of the Mediterranean basin have shown to possess antioxidant, antibacterial, fungicidal and insecticidal effects.

Newpharm® has been able to test the best combination of natural hydrolates coming from aromatic herbs with a repellent effect on harmful insects, such as mosquitoes and flies.

NEWCIDAL® NATURE is the result of studies and University experiments, culminated in a perfect mixture of natural hydrolates obtained from the steam distillation of Rosemary (*Rosmarinus officinalis*) and Oregano (*Origanum spp.*).



A natural olfactory barrier

- NEWCIDAL NATURE® gives its best performance if used continuously in summertime; thus, in gardens, it can be ideally combined with automatic irrigation systems to realize a completely natural olfactory barrier aiming to exclude mosquitoes and other disturbing insects.
- Its immediate action is exhausted over a few hours, thus it is advisable to systematically use it in open and semi-open spaces to exert a constant effect.

Hydrolates

- Hydrolates are a byproduct of distillation of certain plants' essential oils (in our case, rosemary and oregano). These fresh plants' distillation is achieved through a steam stream, in order to produce aromatic waters capable of preserving all the properties of the plant.
- Hydrolates contains only a part of the essential oils' essence and a series of hydrosoluble actives.





Newcidal® Nature

A MIXTURE OF LIQUID HYDROLATES

A mixture of liquid hydrolates obtained by steam distillation of aromatic plants, such as rosemary and oregano.

NEWCIDAL NATURE® has a very strong and persistent herbal odour and can be used for its dissuasive effect against harmful insects.

COMPOSITION

Mix of oregano and rosemary hydrolates

DOSE AND APPLICATION METHOD

The product is normally diluted in water before use and uniformly distributed at regular intervals in the target areas.

Dilute 30 ml of product in 10 liters of water before use and uniformly distribute it at regular intervals in the target areas.



- ✓ Formulated with synergistic compounds of vegetal origin.
- ✓ This special natural formulation releases a pleasant scent in the treated green areas.
- ✓ A 100% natural product for a conscious and safe alternative for humans and the environment.
- ✓ This product does not contain any alcoholic excipients.

FIELDS OF APPLICATION



BOTTLE

Q.ty: 12 pc x 1 l

FOCUS Flyrex® line

Natural attractant bait for flies control

FLYREX® traps are designed to control of flies and blowflies. They function thanks to one of the most effective granule baits in the pest control sector. The FLYREX® bait is **completely ecological**. Designed by the Newpharm® R&D department, it is a total innovation in the civil and livestock sectors, giving a effective instrument to reduce the use of synthetic insecticide. **Made entirely of food additives; Flyrex bait stands out for it's eco-friendly quality.**

FLYREX® traps are ideal for zootechnical and food industries. They are designed for the fly control using a modern approach. In fact, the integrated fight against flies is obtaining every day more reliability.

Application method

- FLYREX® baits must be placed outside livestock shelters or food industries at a height of 1.5 metre and far away from heating sources and anything which might interfere with its attractant power. The traps have a very attractant and persistent power. They are suitable for all species of fly and they remain effective for a period of up to 2 months.



1 Place FLYREX® granules in the FLYREX® trap



2 Add water and mix carefully



3 Hang or place in the interested area

- Adult flies can smell the odour which comes from the FLYREX® bait from very far away. They enter the trap through unidirectional accesses. Once the bait is no more effective, eliminate the organic content of the trap and repeat the instruction above to reset the trap.

The FLYREX® granule bait consists in water-soluble sachets which need to be introduced in the trap. Up to 4 sachets can be inserted in the trap, depending on the type of bait. It is sufficient to add the correct amount of water written on the label to activate the trap in just few hours.



Flyrex® Granules

GRANULES NATURAL ATTRACTANT BAIT TO BE USED WITH FLYREX® TRAP

The FLYREX® GRANULES consists of water-soluble sachets of granule bait made of organic ingredients, which attract flies from considerable distance, creating real aggregation points. It represents an ideal solution for both zootechnical (e.g. stables, animal shelters in general) and civil environments (e.g. food industries, camping sites, landfills, farms, holiday resorts, etc.).

COMPOSITION

Food additives: 100%

DOSE AND APPLICATION METHOD

The bait must be placed outside livestock shelters or zootechnical buildings in general, far enough from anything which might interfere with its attractant power (e.g. manure-heaps, sewage, fermented organic materials). The aim is to form a protective perimeter all around the buildings, placing the traps at 10-15 metres away from each other.

FLYREX® TRAP reaches its maximum efficacy after 24-48 hours and it remains effective for 30-60 days depending on light exposure, temperature, location and weather conditions. At the end of the indicated period, replace the content of FLYREX® TRAP with new FLYREX® GRANULES baits.



SOLUTION

Flyrex® granules can be used with two different sizes of Flyrex Trap:

Flyrex® Trap M and Flyrex® Trap L.

Flyrex® Trap M covers an area of about 100-150 m² while Flyrex® Trap L covers an area of about 200-300 m².

M = **2 sachets** + **1,5-2 l of water****

L = **4 sachets** + **5 l of water****

*It is also possible to dilute 1 sachet of Flyrex Granules in 0.5-1 l of water.

Totally ecological and environmentally friendly

Effective up to 60 days

FIELDS OF APPLICATION



TARGET INSECTS

Domestic fly (*Musca domestica*), little house fly (*Fannia canicularis*), barn fly (*S. calcitrans*), common green bottle fly (*Lucilia* spp.), bluebottle fly (*Calliphora* spp.), common flesh fly (*Sarcophaga carnaria*).

ATTRACTANT BAIT
Q.ty: 6 pc x 400 g
(8 sachets x 50 g)

TRAP L
Q.ty: 5 pc x 10 l

TRAP M
Q.ty: 4 pc x 5 l

FLY BOX TRAP
Q.ty: 1 sachet x 50 g

FLY BAG TRAP
Q.ty: 12 pc x 1



Vesparex®

LIQUID ATTRACTIVE BAIT FOR WASPS AND BUMBLEBEES

COMPOSITION

Food additives: 100%

VESPAREX® is a liquid, ready-to-use attractive bait for the control of wasps, bumblebees and flies.

It is a scientifically tested product and it remains active during 6 weeks; it is composed by natural ingredients which do not evaporate and do not decompose.

It is odourless and acts quickly at any temperature.

It does not contain any chemical substances.

DOSE AND APPLICATION METHOD

VESPAREX® can be used together with the ecological trap for wasps and bumblebees.

Remove the lid of VESPAREX® TRAP (pag. 49) and pour the VESPAREX®.

Close the lid and hang the trap in a non-ventilated and quite sunny area.

Reset the trap when full of insects or every 15 days.

FIELDS OF APPLICATION



TARGET INSECTS

Flying insects: *Polistes gallicus*, German wasp (*Vespula germanica*), bumblebee (*Vespa crabro*), Oriental hornet (*Vespa orientalis*), flies.



BOTTLE

Q.ty: 12 pc x 500 ml



TRAP

Q.ty: 24 pc x 1





line Nuvex® Aerosol

READY TO SPRAY AEROSOL INSECTICIDE

Specific insecticide containing natural pyrethrum for internal areas. This spray insecticide proves to be immediately effective in fighting flies and mosquitoes.

COMPOSITION

Pure Pyrethrins: 0.2 g

Pure Butoxide Piperonyl: 0.6 g

FIELDS OF APPLICATION



TARGET INSECTS

Flying insects: flies and mosquitoes.

DOSE AND APPLICATION METHOD

Shake well before using.

Close doors and windows before applying the product in the air, from low to high, for some seconds (1-2 seconds for 10 m³). Allow the product to react in a closed space for approximately 20 minutes.



BOTTLE

Q.ty: 12 pc x 600 ml



line Recidal® Sil Aerosol

AEROSOL NATURAL POWDER

RECIDAL® SIL AEROSOL, made of diatomaceous earth, is an aerosol with biophysics-action dehydrating effect.

COMPOSITION

Diatomaceous earth without CFC (chlorofluorocarbons): 7.2%

FIELDS OF APPLICATION



TARGET INSECTS

Crawling insects: cockroaches, ants, silverfish, moths, bedbugs, woodlice.

Mites: poultry red mite (Dermanyssus gallinae).

DOSE AND APPLICATION METHOD

As such: shake well then spray a thin layer of product, from a 15-30 cm distance, in the area where the parasites are. A bottle covers an area of 50-70 m².



BOTTLE

Q.ty: 12 pc x 500 ml

Newspray

READY TO SPRAY AEROSOL INSECTICIDE

NEWSPRAY is an aerosol insecticide for manual applications or with automatic dispensers, designed for fighting against flies, mosquitoes and the other flying insects. NEWSPRAY prevents the re-infestation of environments thanks to the power of pyrethrum, which keeps the flying insects away.

COMPOSITION

Pyrethrum extract (50% solution):
3.50g

Butoxide Piperonyl 94%: 14g

DOSE AND APPLICATION METHOD

When used with automatic dispensers, a special valve for the measured dosage allows to spray a modest quantity of product in the air, thus avoiding improper dosage.




**BOTTLE FOR TIMED
DISPENSERS**
250 ml


**DUAL PURPOSE BOTTLE:
SELF-EMPTYING AND SPRAY**
400 ml

- ❖ Immediate knock down effect on all types of flying insects.
- ❖ It can be perfectly combined with timed dispensers for pest control of private and public premises.
- ❖ Available with total-emptying nozzles to grant the saturation of internal areas

FIELDS OF APPLICATION



TARGET INSECTS

Flying insects: All types of flying insects like flies, mosquitoes, Asian tiger mosquitoes, moths, etc.



BOTTLE

Q.ty: 6 pc x 250 ml

Q.ty: 6 pc x 400 ml



New-Air

AIR FRESHENERS

NEW-AIR is designed for being used with a timed dispenser. Its special valve allows the dispensing of a pre-dosed amount of product containing a high concentration of precious essences, which ensure the deodorization of vast areas (up to 200 m³). The bottle lifetime varies from approximately 1 to 3 months, depending on the hours of daily sprays (from 8 to 24 hours). This bottle ensures approximately 3.000 sprays

COMPOSITION

Essences

FIELDS OF APPLICATION



DOSE AND APPLICATION METHOD

The bottle is power operated by an automatic dispenser.

Place the dispenser system not less than 2 meters high and with the spray not directed towards people.

Keep away from free flames, incandescent objects or other combustion sources to avoid risk of ignitability. Do not apply near air-conditioning systems. Be sure that the area has good air-change.

Essences adapt to every environment with an excellent persistence.



BOTTLE

Q.ty: 6 pc x 250 ml

White musk

Citruses - Grapefruit

Odor Neutralizer

White talc

Vanilla and ginger



Timed dispensers

SPRAY LED AND SPRAY MATIC

Elegant and functional timed dispensers with manual programming to kill insects in an efficient and automatic way.

COMPATIBLE WITH

Newspray
New-Air

FIELDS OF APPLICATION



DOSE AND APPLICATION METHOD

It is recommended to place the dispenser 2 meters above the ground for an optimal effect. If, after a certain amount of time, the dispenser does not work properly and the red light stays on, control what follows: either the bottle is empty (every bottle can send up to 3000 sprays), or it is necessary to replace the batteries (they can last approximately 8 months).



SPRAY MATIC

Q.ty: 6 pc



SPRAY LED

Q.ty: 6 pc

Insect monitoring accessories



Control and monitoring of crawling insects

Frontier Station	p. 48
Processorex	p. 48

Control and monitoring of flying insects

Sight Trap	p. 49
Vesparex® Trap	p. 49
B. M. Stink Bugs Trap	p. 50
Fly Box	p. 51
Fly Bag	p. 51
Flyrex® Trap	p. 52

UV lamps

iCatch 40 INOX V	p. 54
iCatch 40 WHITE V	p. 54
iCatch PG40LB	p. 55
iCatch 40 INOX EKG	p. 55
iCatch 30-40 INOX IP20	p. 56
iCatch 30-40 INOX IP65	p. 56
iCatch Vortex 400	p. 57
iCatch Pharm	p. 57
Spares for neon lamps	p. 58
Spares for adhesive plates	p. 59



Frontier Station

TERMITES MONITORING

It is a patented dispositive for the monitoring and the capture of termites. It takes 90% less time than other traps. The dispositive combines an inspection window which allows the view on the infestants and a channel through which the insecticide must be injected. The insecticide will go directly into the galleries created by the insects. A visual signal on the trap is activated automatically by the termites when they eat the cellulose at the base of the trigger.

FIELDS OF APPLICATION



TARGET INSECTS

Termites (*Kaloterms flavicollis* and *Reticulitermes lucifugus*)

APPLICATION METHOD

Installation: install the FRONTIER STATION along the perimeter of the buildings at about 3-5 metres from each other and near the pavement

Inspection: Visual signs on traps confirm the presence of pests

Treatment: the unique design allows a targeted application of any product against termites

Substitution: the FRONTIER STATION is a single-use monitoring system. After its use, the station must be replaced and a new monitoring cycle can start. The economic price of the station and the elimination of expensive baits make FRONTIER STATION the cheapest monitoring system of termites in the world.



TRAP

Q.ty: 10 pc x 1

Processorex

COLLAR AGAINST PINE PROCESSIONARY



FIELDS OF APPLICATION



TARGET INSECTS

Pine processionary (*Thaumetopoea pityocampa*).

Trap for the capture of the larvae of the pine processionary (*Thaumetopoea pityocampa*). It must be placed on the trunk of the *Pinus nigra*, *P. Sylvestris*, *P. halepensis*, *P. pinea*, *P. pinaster*, *P. insignis*, *P. strobus*, *Larix decidua* and *Cedrus spp.* At the beginning of May, the larvae start their descent in procession to reach the ground and close themselves inside the cocoon. During the descent from the top of the tree, larvae are stopped and collected inside a bag to be easily eliminated.

APPLICATION METHOD

In the second half of April, place the trap around the trunk at a height of about 120-140 cm. Leave the trap for at least 3 weeks after the last descent so that the chrysalises are already formed and there is no further danger of infestation. Inside the bag, put some soil to simulate the ground.

MAIN FEATURES

Collar against pine processionary
(diam. 45 cm – length 140 cm)

1 kit includes:

- 2 foam gaskets with one adhesive side (70cm)
- 1 polycarbonate collar
- 1 plastic belt (250cm)
- 1 self-block buckle
- 1 bag
- 1 descending tube



COLLAR KIT

Q.ty: 1 pc

COLLAREXTENSION

Q.ty: 1 pc (70cm)



REPLACEMENT BAG

Q.ty: 1 pc (40 x 50 cm)



Sight Trap

REMOTE PHEROMONE MONITORING DEVICE

Pheromone monitoring just got easier with SightTrap, which puts cameras in your traps and gives you access to essential information and data on your computer and smartphone. Get accurate counts and monitor the insects with this device:

Better results with fewer steps

Advanced insects counts

Trending data

Environmental Analysis

KIT CONTENTS

- 1 SightTrap camera,
- 5-year lithium battery
- 5 glueboards
- 5 pheromone lures.

FIELDS OF APPLICATION



TARGET INSECTS

Insect pests of dried food, textiles, grain, carpets, taxidermy and tobacco.

REQUIREMENTS

SightTrap IT Requirements

- The SightTrap requires a sufficiently strong and reliable 2.4GHz WiFi signal
- For best results, rssi values should be -67 or better (the less negative, the better)

TRAP

Q.ty: 1pc



Vesparex® trap

FOR HORNETS, WASPS AND FRUIT FLIES

The VESPAREX® trap for hornets, wasps and fruit flies is an effective system for the mechanical capture of undesired insects in gardens, balconies, gazebos and other external areas. It can be placed also in orchards and vineyards. The colour of the trap contributes to attract insects which remain trapped inside.

DIMENSIONS

13 x 13 x 12 cm

APPLICATION METHOD

1. Open the white lid and pour about 100 ml of VESPAREX® or a attractant similar liquid, such as a sweet juice, syrup or beer.
2. Place back the lid and hang the trap in the interested areas.

The trap is not suitable for indoor environments and for the capture of mosquitoes.

COMPATIBLE WITH

Vesparex® p. 39

FIELDS OF APPLICATION



TRAP

Q.ty: 24 pc x 1

FOCUS

Brown marmorated stink bug

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

The fear related to Rhynchota insect is growing since when 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.

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. These insects colonize our environments in autumn looking for a shelter for the winter, attracted by the light. In fact, during their flights towards the light, they end up hitting walls and any surfaces as they are extremely clumsy. When they feel threatened, they release through the 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

The most efficient monitoring method involves traps activated with pheromones which need to be installed at the beginning of the 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.



B. M. Stink Bugs Trap

TRAP FOR THE CAPTURE OF BROWN MARMORATED STINK BUG

BROWN MARMORATED STINK BUGS TRAP is the first ecologic trap for the mass trapping of brown marmorated stink bugs (*Halyomorpha halys*). It has a patented design. The trap combines the attractant power of the pheromone together with colours perceived by the target insects. The pheromone gradually releases its scent in order to last for at least 30 days.

DIMENSIONS

61 x 25.5 cm

APPLICATION METHOD

It is advisable to install at least 3-4 traps in the interested area, starting from March/April and respecting these recommendations:

- Monitor those areas which are particularly suitable for the growing of the insects, in particular in the perimetral area of the crop, near hedges and/or buildings
- Place traps at 20-30 m from each other
- Place traps near attractant plants for the stink bug, especially fruit plants, and possibly within 20-30 m from buildings (especially at the beginning of the season)
- The operator can decide if traps should be placed along the perimeter of the cultivation or on wild plants present nearby.

ATTENTION

- If stink bugs are numerous, more damages can be caused in those areas near orchards where traps have been placed.
- Check and empty traps weekly.
- Replace pheromones every 7 weeks

FIELDS OF APPLICATION



TARGET INSECTS

Brown marmorated stink bug
(*Halyomorpha halys*)



TRAP
Q.ty: 1 pc

PERHOMONE
Q.ty: 6 pc x 1



Fly Box

TRAP WITH WATER-SOLUBLE ATTRACTANT FOR FLY CONTROL

Thanks to the special formulation with alimentary substances, the bait can attract different species of flies and blowflies from considerable distances, creating real aggregation points. It represents an ideal solution for zootechnical (stables and animal shelters in general) and civil environments (food industries, camping sites, landfills, farms, holiday resorts, etc.).

APPLICATION METHOD

Place in gardens or outside buildings, far enough from anything which might interfere with its attractant power. The kit reaches its maximum efficacy after 24-48 hours and remains effective for 30-60 days depending on light exposure, temperature, air currents, location and weather conditions. At the end of the indicated period, replace with a new bait.

FIELDS OF APPLICATION



TARGET INSECTS

Domestic fly (*Musca domestica*), barn fly (*S. calcitrans*), little house fly (*Fannia canicularis*), green bottle fly (*Lucilia spp.*), green blowfly (*Calliphora spp.*), grey blowfly (*Sarcophaga carnaria*).

Focus
Flyrex®
line

p. 41



TRAP

Q.ty: 1 bait x 50 g



ATTRACTANT BAIT

Q.ty: 6 pc x 400 g
(8 sachets x 50 g)



Fly Bag

ECOLOGIC DISPOSABLE TRAP FOR FLY CONTROL

FLY BAG represents a simple but effective way to reduce the fly population. Field tests have demonstrated that FLY BAG can capture up to 12,000 flies in one week. FLY BAG is composed of a nylon bag which needs to be filled with water (2/3) and a plastic lid.

DIMENSION

Diameter: 19.5 cm
Height: 26.5 cm

FIELDS OF APPLICATION



TARGET INSECTS

Domestic fly (*Musca domestica*), little house fly (*Fannia canicularis*), barn fly (*S. calcitrans*), green bottle fly (*Lucilia spp.*), green blowfly (*Calliphora spp.*), grey blowfly (*Sarcophaga carnaria*).

APPLICATION METHOD

Each trap comes with instructions for use and a water-soluble sachet of attractant bait FLYREX® GRANULES.

- Place the traps near the infested areas and where there is a high level of sunlight.
- Fly Bag attracts domestic flies within a radius of 5 metres, while Calliphoridae flies within a radius of hundreds of metres.
- Fly bag needs 3-4 days to activate. If climate conditions are adverse, some extra days will be necessary.
- In normal conditions, the bait can be changed after 6 weeks.
- Flies are caught also inside stables.

Focus
Flyrex®
line

p. 41



TRAP

Q.ty: 12 pc x 1

Flyrex® Trap

TRAP TO BE USED WITH FLYREX GRANULES NATURAL ATTRACTANT BAIT

It represents an ideal solution for both zootechnical (e.g. stables, animal shelters in general) and civil environments (e.g. food industries, camping sites, landfills, farms, holiday resorts, etc.).

DOSE AND APPLICATION METHOD

The bait must be placed outside livestock shelters or zootechnical buildings in general, far enough from anything which might interfere with its attractant power (e.g. manure-heaps, sewage, fermented organic materials). The aim is to form a protective perimeter all around the buildings, by placing the traps at 10-15 metres away from each other.



1
Place FLYREX® granules in the FLYREX® trap



2
Add water and mix carefully



3
Hang or place in the interested area



p. 41



SOLUTION

Flyrex® granules can be used with two different sizes of Flyrex Trap:

Flyrex® Trap M and Flyrex® Trap L.

Flyrex® Trap M covers an area of about 100-150 m² while Flyrex® Trap L covers an area of about 200-300 m².

M  =  **2 sachets + 1,5-2 l of water****

L  =  **4 sachets + 5 l of water***

*It is also possible to dilute 1 sachet of Flyrex Granules in 0.5-1 l of water.

FIELDS OF APPLICATION



TARGET INSECTS

Domestic fly (*Musca domestica*), little house fly (*Fannia canicularis*), barn fly (*S. calcitrans*), common green bottle fly (*Lucilia* spp.), bluebottle fly (*Calliphora* spp.), common flesh fly (*Sarcophaga carnaria*).



ATTRACTANT BAIT

Q.ty: 6 pc x 400 g
(8 sachets x 50 g)



TRAP L

Q.ty: 5 pc x 10 l

TRAP M

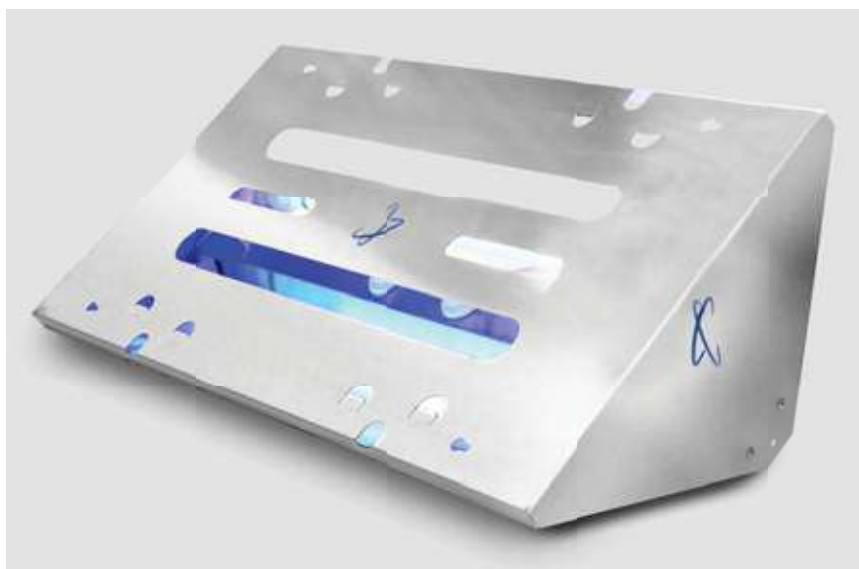
Q.ty: 4 pc x 5 l

Focus iCatch lamps

The new line of lamps with fluorescent tubes has been designed and created for Newpharm® with the highest standard of quality and fully respecting the EU regulations.

Main features:

- CE marking in compliance with the specific regulations of the product.
- Degrees of protection from dust and water jets according to the CEI EN 60529 regulation.
- HACCP certification.
- 5-year warranty.



Wide range of lamps:

- Depending on the power (from 30W to 108W), the lamps can cover different areas which go from 80m² to 300m²
- IP20 or IP65 degrees of protection
- Galvanized or varnished stainless steel sheet or plastic sheet
- Glue board or electrical grid
- Actinic neon lights (classic or shatterproof)

Thanks to the new line of iCatch luminous traps, Newpharm® receives even more support from European PCOs.

The new iCatch lamps have classic or shatterproof actinic neon lights, depending on the customer's need and on the places which they need to be installed.



iCatch 40 INOX V

IP 20 STAINLESS STEEL ENERGY-SAVING LAMP

CATCH 40 INOX V is a light trap with a glue board. It has a discrete and elegant design suitable for all kind of environments as well as for the food industry sector (HACCP). It consumes 30% less energy compared to other similar lamps working with neon lights. This is possible thanks to 2 compact shatterproof neon lights (18 W – 220 V).

The frontal grid (customizable on demand) allows the diffusion of the UV light reducing the vision of the captured insects. It is equipped with a frontal opening (90°) for an easy maintenance and replacement of the glue board.

DIMENSIONS

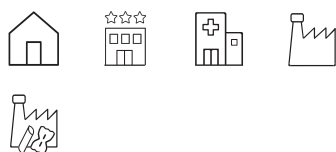
Cover: 80 m²

Dimensions: 6
4 x 33.5 x 6.5 cm

Glue board dimensions:
30.3 x 54.5 cm

Weight: 6.1 kg

FIELDS OF APPLICATION



TARGET INSECTS

Small fruit flies, flies, mosquitoes, wasps, moths.

APPLICATION METHOD

Hang the lamp at a height of about 2 metres, far away from natural light, outdoor access, air conditioning systems and food production lines.

MAIN FEATURES

Consumption: 40 W
(2 neon lamps of 18 W)

Mounting kit included

Customizable with your logo



LAMP

Q.ty: 1 pc



iCatch 40 WHITE V

IP 20 WHITE STEEL ENERGY-SAVING LAMP

ICATCH 40 WHITE V consumes 30% less energy with compared to other similar lamps working with neon lights. This is possible thanks to 2 compact shatterproof neon lights (20 W – 220 V).

The frontal grid (customizable on demand) allows the diffusion of the UV light reducing the vision of the captured insects. It is equipped with a frontal opening (90°) for an easy maintenance and replacement of the glue board.

DIMENSIONS

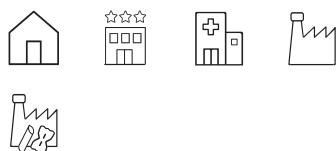
Cover: 80 m²

Dimensions: 49x28x6.5 cm

Glue boards dimensions:
42.6 x 24.5 cm

Weight: 3.3 kg

FIELDS OF APPLICATION



TARGET INSECTS

Small fruit flies, flies, mosquitoes, wasps, moths

APPLICATION METHOD

Hang the lamp at a height of about 2 metres, far away from natural light, outdoor access, air conditioning systems and food production lines.

MAIN FEATURES

Consumption: 40 W

(2 neon lamps of 20 W, E14 socket)

Mounting kit included

Customizable with your logo



LAMP

Q.ty: 1 pc



iCatch PG40LB

ENERGY-SAVING LAMP FOR FALSE CEILINGS AND PANELS

ICATCH PG40LB is a white lamp equipped with 2 compact shatterproof neon lights (20 W) and a glue board. Suitable for false ceilings.

DIMENSIONS

Cover: 100 m²

Dimensions:
59,6 x 59,6 x 7,5 cm

Glue boards dimensions:
56 x 25 cm

Weight: 3,6 kg

FIELDS OF APPLICATION

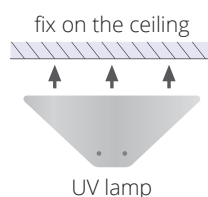


TARGET INSECTS

Small fruit flies, flies, mosquitoes, wasps, moths

APPLICATION METHOD

Place and fix on the false ceiling area (maximum 60 x 60 cm). It is equipped with a frontal opening (90°) for an easy maintenance.



MAIN FEATURES

Consumption: 40 W
(2 neon lamps of 20 W)

Protection index IP20



LAMP

Q.ty: 1 pc



iCatch 40 INOX EKG

UV LAMP WITH ELECTRIC GRID

ICATCH 40 INOX EKG is a UV lamp with an electric grid (electrocution) for flying insects. Electric grid 3700V/9mA. It is the only electric lamp suitable for the food industry (HACCP).

DIMENSIONS

Cover: 120 m²

Dimensions:
63,5 x 26 x 12,5 cm

Weight: 6,2 kg

FIELDS OF APPLICATION



APPLICATION METHOD

It can be fixed in ceilings, walls or tables. Maintenance and cleaning will be easier thanks to its practical opening which gives easy access to the UV neon lamps. The UV light trap is equipped with an electric grid. Moreover, ICATCH 40 INOX EKG has curve edges and a circuit breaker for a safe switch off of the lamp.

Hang the lamp at a height of about 2 metres, far away from natural light, outdoor access, air conditioning systems and food production lines.

MAIN FEATURES

Consumption: 40 W
(2 neon lamps of 18 W)

Protection index IP20

Chain

Stainless steel finishing trims

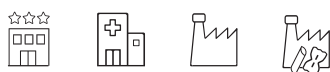


LAMP

Q.ty: 1 pc



FIELDS OF APPLICATION



TARGET INSECTS

Small fruit flies, flies, mosquitoes, wasps, moths

iCatch 30-40 INOX IP20

IP20 UV LAMP

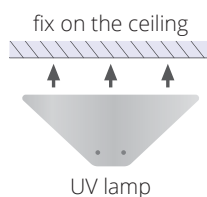
The lamps ICATCH 30 and 40 INOX IP20 represent a hygienic solution for the control of flying insects in the food industry.

APPLICATION METHOD

It can be fixed in ceilings or walls. Discrete design which contributes to camouflaging its monitoring/capturing position. Ferromagnetic reactors: durable and reliable. Highly resistant to corrosion and rust.

Stainless steel chain and mounting bracket included.

Hang the lamp at a height of about 2 metres, far away from natural light, outdoor access, air conditioning systems and food production lines.



MAIN FEATURES

iCatch 30 iNOX IP20

Dimensions:
46.5 x 16 x 35.5 cm
Panel dimension
Glue board: 45.6 x 36.3 cm
Cover: 80m²
Neon: 2 x 15W
Weight: 3.2 kg

iCatch 40 iNOX IP20

Dimensions:
62 x 16 x 35.5 cm
Panel dimension
Glue board: 59.5 x 36.5 cm
Cover: 120m²
Neon: 2 x 18W PHILIPS
Weight: 4 kg

Customizable with your logo

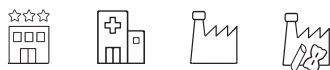


ICATCH 30 INOX IP20
Q.ty: 1 pc

ICATCH 40 INOX IP20
Q.ty: 1 pc



FIELDS OF APPLICATION



TARGET INSECTS

Small fruit flies, flies, mosquitoes, wasps, moths

iCatch 30-40 INOX IP65

IP65 UV LAMP

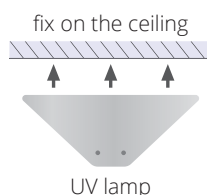
The lamps ICATCH 30 and 40 INOX IP65 represent a hygienic solution for the control of flying insects in the food industry.

APPLICATION METHOD

It can be fixed in ceilings or walls. Discrete design which contributes to camouflaging its monitoring/capturing position. Ferromagnetic reactors: durable and reliable. Highly resistant to corrosion and rust.

Stainless steel chain and mounting bracket included.

Hang the lamp at a height of about 2 metres, far away from natural light, outdoor access, air conditioning systems and food production lines.



MAIN FEATURES

iCatch 30 iNOX IP65

Dimensions:
46.5 x 16 x 35.5 cm
Panel dimension
Glue board: 45.6 x 36.3 cm
Cover: 80m²
Neon: 2 x 15W
Weight: 3.2 kg

iCatch 40 iNOX IP65

Dimensions:
66 x 16 x 35.5 cm
Panel dimension
Glue board: 59.8 x 36.4 cm
Cover: 120m²
Neon: 2 x 18W
Weight: 4 kg

Customizable with your logo



ICATCH 30 INOX IP65
Q.ty: 1 pc

ICATCH 40 INOX IP65
Q.ty: 1 pc



iCatch Vortex 400

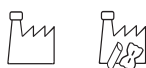
STAINLESS STEEL LAMP FOR ATEX AREAS

The ICATCH VORTEX 400 is a stainless-steel lamp equipped with 2 UV shatterproof neon lights (18W) and 2 glue boards. ATEX level of protection: category 2 (zone 1 and 2/21 and 22). For those environments with a medium/high risk of explosion (silos, mills, food production and processing, distilleries or breweries or chemical environments).

DIMENSIONS

Dimensions :
34 x 79x 32 cm
Cover: 120m²
Glue board dimension:
58.5 x 28 cm
Weight: 10 kg

FIELDS OF APPLICATION



TARGET INSECTS

Small fruit flies, flies, mosquitoes, wasps, moths

APPLICATION METHOD

For suspended installation.
Unbreakable borosilicate glass cover 3.3. 90% transmission of UVA rays.
Highly resistant to corrosion and oxidation.
Austenitic steel (304).
Highly resistant to corrosion and rust.
Ferromagnetic ballast: durable and reliable



LAMP

Q.ty: 1 pc



iCatch Pharm

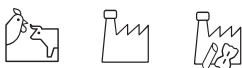
UV LAMP WITH ASPIRATOR

ICATCH PHARM attracts flies from considerable distances and conveys them inside a sack, thanks to an aspirating turbine. Assemble 2 actinic lamps IP44 of 30W. It protects a 300 m² area.

DIMENSIONS

Size:
36 x 50 x 79 cm
Weight:
14 Kg without floor lamp
25 Kg with floor lamp

FIELDS OF APPLICATION



TARGET INSECTS

Mosquitoes, wasps, gnat, moths, ecc.

APPLICATION METHOD

It is absolutely not dangerous for humans and animals. ICATCH PHARM can be used outside and it is not affected by rain, as it is made completely by stainless steel.

The device can either be fixed on the wall with four plugs, at least 2 meters above the ground, or on the appropriate floor lamp (OPTIONAL). The content of the sack needs to be emptied regularly.



LAMP

Q.ty: 1 pc

LAMP FLOOR

Q.ty: 1 pc

ICATCH PHARM SACK

Q.ty: 1 pc

Spares for neon lamps

STANDARD NEON

Characteristics:

Neon 15 W Philips®

Neon 15 W Astron®

Neon 20 W Standard

Neon 40 W Standard

Neon 20 W Compatto E27

Neon 18 W Astron®

Neon 36 W Sylvania®

Neon 18 W Lynx®

SHATTERPROOF NEON

Characteristics:

Neon 15 W Philips®

Neon 15 W Astron®

Neon 20 W

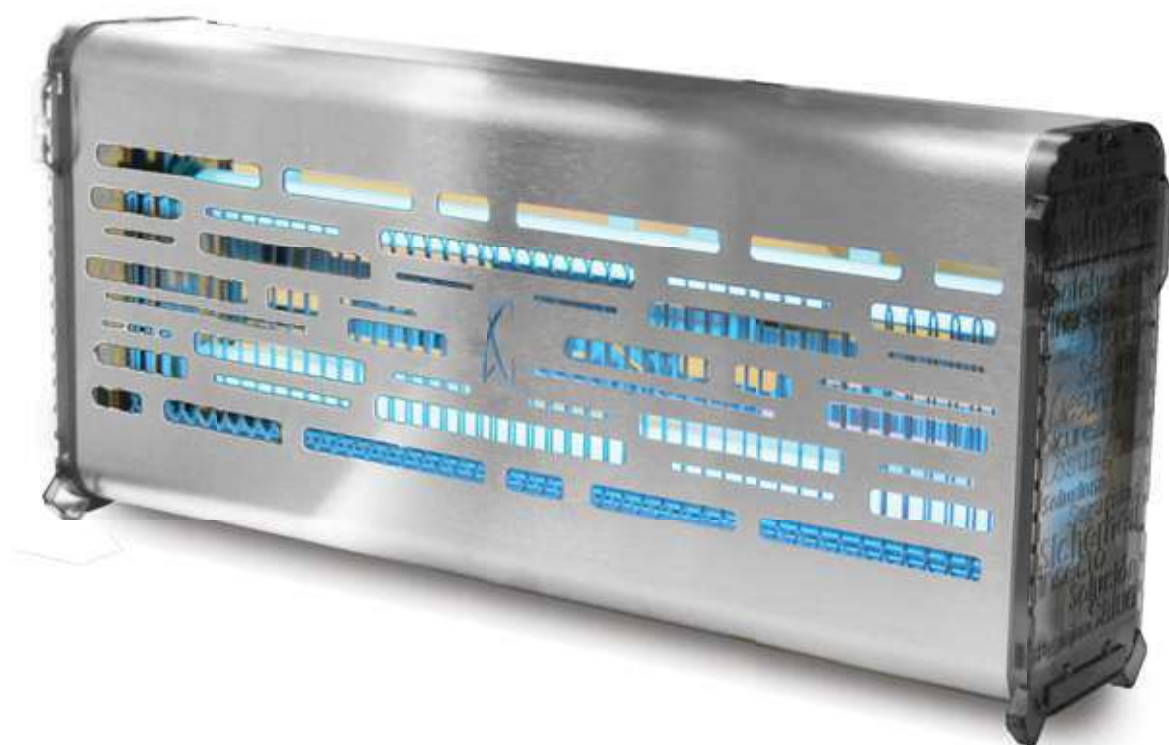
Neon 40 W

Neon 20 W Compatto E27

Neon 18 W Astron®

Neon 36 W Sylvania®




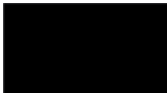
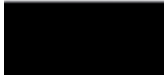



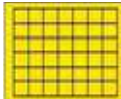
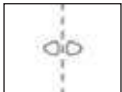
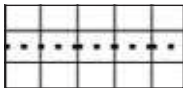

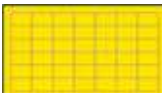
Neon 18 W Lynx®



Spares for adhesive plates

	Compatibility adhesive plates with	Characteristics	Quantity	
	FLY TRAP COMMERCIAL 30 (FTC30)	Size: 39 x 31 cm Material: cardboard Color: yellow with grid	Pack: 6 pc	Carton: 60 pc
	iCATCH 30 - iCATCH 40 FLY TRAP COMMERCIAL 40 & 80 (FTC40 & FTC 80)	Size: 59,6 x 36,2 cm Material: cellular plastic Color: yellow with grid	Pack: 6 pc	Carton: 60 pc
	FTP 30 HALO 30 1a gen. HALO 45 1a gen. PRO30 - FLYONDA30 SLIM 30	Size: 39 x 31 cm Material: cardboard Color: yellow with grid	Pack: 6 pc	Carton: 150 pc
	iCATCH 40 INOX V FTP 30 HALO 30 1a gen. HALO 45 1a gen. PRO30 - FLYONDA30 SLIM 30	Size: 39 x 31 cm Material: cardboard Color: black with grid	Pack: 6 pc	Carton: 150 pc
	iCATCH 40 INOX V FTP 40/80 HALO 30 2a gen. HALO 45 2a gen. HALO SHADES PRO 40/80 OCEAN 30 EASY 36/72	Size: 54,4 x 31 cm Material: cardboard Color : yellow with grid	Pack: 6 pc	Carton: 150 pc
	FTP 40/80 HALO 30 2a gen. HALO 45 2a gen. HALO SHADES PRO 40/80 OCEAN 30 EASY 36/72	Size: 54,4 x 31 cm Material: cardboard Color: black with grid	Pack: 6 pc	Carton: 150 pc
	PLUSLIGHT 30 / 60 ARACNO 30 COMMERCIAL 30	Size: 44,6 x 29,7 cm Material: cardboard Color: black with grid	Pack: 6 pc	Carton: 150 pc
	LURALITE 2000/CENTO NICE 18W SMART 18	Size: 54,6 x 19,6 cm Material: cardboard Color: yellow	Pack: 6 pc	Carton: 120 pc
	LURALITE PROFESSIONAL	Size: 54 x 24,4 cm Material: cardboard Color: yellow	Pack: 6 pc	Carton: 120 pc
	LURALITE PLUS	Size: 45 x 19,5 cm Material: cardboard Color: yellow	Pack: 6 pc	Carton: 120 pc
	INSETTIKA P15+15 FLY FOOD 30 FLY BARRIER FLY CONTROL 2X15 FLY CONTROL 4X15	Size: 42,5 x 31,5 cm Material: cardboard Color: black with grid	Pack: 10 pc	Carton: 150 pc

	Compatibility adhesive plates with	Characteristics	Quantity	
	INSETTIKA P15+15 FLY FOOD 30 FLY BARRIER FLY CONTROL 2X15 FLY CONTROL 4X15	Size: 42,5 x 31,5 cm Material: cardboard Color: yellow with grid	Pack: 10 pc	Carton: 150 pc
	MONITOR FLY BIFACCIA FLY FOOD 60 FLYLAMP MONITOR FLYCATCHER MONITOR	Size: 45 x 32,5 cm Material: cardboard Color: yellow with grid and glue on both sides	Pack: 6 pc	Carton: 90 pc
	MONITOR FLY BIFACCIA FLY FOOD 60 FLYLAMP MONITOR FLYCATCHER MONITOR	Size: 45 x 32,5 cm Material: cardboard Color: black with grid and glue on both sides	Pack: 6 pc	Carton: 90 pc
	MONITOR FLY MONOFACCIA	Size: 45 x 32,5 cm Material: cardboard Color: yellow with grid	Pack: 6 pc	Carton: 90 pc
	MONITOR FLY MONOFACCIA	Size: 45 x 32,5 cm Material: cardboard Color: black with grid	Pack: 6 pc	Carton: 90 pc
	iCATCH 40 WHITE V CHAMELEON 1X2 & 2X2 CHAMELEON UPLIGHTER WALL 30 HPRI-TRAP50	Size: 42,5 x 24,5 cm Material: cardboard Color: black with grid Thickness: 1,2 mm	Pack: 6 pc	Carton: 150 pc
	CHAMELEON 1X2 & 2X2 CHAMELEON UPLIGHTER WALL 30 HPRI-TRAP50	Size: 42,5 x 24,5 cm Material: cardboard Color: yellow with grid Thickness: 1,2 mm	Pack: 6 pc	Carton: 150 pc
	CHAMELEON 1X2 & 2X2 CHAMELEON UPLIGHTER WALL 30 HPRI-TRAP50	Size: 42,5 x 24,5 cm Material: cardboard Color: silver with grid Thickness: 1,2 mm	Pack: 6 pc	Carton: 150 pc
	iCATCH 30 - iCATCH 40 ECOFLY36 & 72 FTC 40/80 MOSTICK 372 / 397	Size: 61,4 x 34,5 cm Material: cardboard Color: white with red grid	Pack: 10 pc	Carton: 100 pc
	ECOFLY30 FTC 30	Size: 46,5 x 34,5 cm Material: cardboard Color: white with red grid	Pack: 10 pc	Carton: 100 pc
	CHAMELEON 4X4	Size: 60 x 49,2 cm Material: cellular plastic Color: grey or black with grid and glue on both sides	Pack: 6 pc	Carton: 120 pc
	CHAMELEON EXG	Size: 60 x 42 cm Material: cellular plastic Color: grey or black with grid	Pack: 6 pc	Carton: 120 pc

	Compatibility adhesive plates with	Characteristics	Quantity
	COBRA PLASMA LIBERATOR	Size: 41,7 x 28,2 cm Material: cardboard Color: black with grid	Pack: 15 pc Carton: 150 pc
	SATALITE 18 SOFT 18	Size: 24,5 x 13,5 cm Material: cardboard Color: white	Pack: 6 pc
	SATALITE 30 SOFT 30	Size: 48,3 x 20 cm Material: cardboard Color: white	Pack: 6 pc
	IND65 EX55	Size: 64 x 30 cm Material: plastica alveolare Color: black with glue on both sides	Pack: 6 pc
	UPLIGHTER (INSECT O CUTTOR)	Size: 34 x 15 cm Material: cardboard Color: black without grid	Pack: 10 pc
	HPRIN300ATEX LAMPADE INSECTRON	Size: 50,7 x 25,5 cm Material: cardboard Color: yellow with grid and glue on both sides	Pack: 5 pc Carton: 100 pc
	APPLIQUE 15 W INSETTIKA P15 2017 FLYTEC	Size: 46 x 16,5 cm Material: cardboard Color: white	Pack: 6 pc Carton: 120 pc
	AURA	Size: 29,5 cm diameter Material: cardboard Color: yellow with grid	Pack: 6 pc Carton: 150 pc
	HALO60 LUMINOS 3	Size: 41 x 38,5 cm Material: cardboard Color: yellow with grid	Pack: 6 pc Carton: 90 pc
	FLY POD	Size: 22 x 16,4 cm Material: cardboard Color: white	Pack: 6 pc Carton: 120 pc
	D-LIGHT COMMERCIAL VECTOR PLASMA BUGSTER 30 BUGSTER DECO BUGSTER CENITH	Size: 42 x 23 cm with central precut Material: cardboard Color: white with grid	Pack: 6 pz Carton: 150 pc
	MONOLIGHT COPYR TECNALL FLY BLASTER 60	Size: 44,2 x 29,5 cm Material: cardboard Color: black with grid	Pack: 6 pc Carton: 150 pc
	MONOLIGHT COPYR TECNALL FLY BLASTER 60	Size: 44,2 x 29,5 cm Material: cardboard Color: yellow with grid	Pack: 6 pc Carton: 150 pc

Solvents and carriers





Solvents

Neutralizing additive	p. 64
Propylene Glycol	p. 64
Phytorob®	p. 65
Phytorob® Bio	p. 65

Carriers

Biosol® New	p. 67
Newsol®	p. 67



Neutralizing Additive

ACIDIFYING LIQUID AGENT

The NEUTRALIZING ADDITIVE is an acidic liquid agent (ph 3.0). It is suitable for reducing the excess of alkalinity in surfaces without damaging them. It helps residual insecticide formulations to be more efficient.

COMPOSITION

Organic acids: >30%
Polycarboxylates: 1-10%

DOSE AND APPLICATION METHOD

Mix the NEUTRALIZING ADDITIVE with water or other suitable solutions in ratio of 1% (1l of additive in 100 l of water).

EQUIPMENT

* VECTOR-AVI® EVO
Manual Pump



TANK

Q.ty: 2 pc x 5 l



Propylene Glycol

SOLVENT FOR THERMO-FOGGING EQUIPMENT

The PROPYLENE GLYCOL is employed as a solvent during sprayings with thermo-fogging equipment. If added to the liquid solution, it creates a clear fog clearly visible during treatments. It is a colourless and odourless liquid and it is used as a food additive.

COMPOSITION

Propylene glycol

DOSE AND APPLICATION METHOD

Dilute 20-30% of PROPYLENE GLYCOL in water



TANK

Q.ty: 1 pc x 25 l



Phytorob®

CONCENTRATED LIQUID

Biodegradable solvent for the preparation of solutions to apply with thermo-fogging equipment.

COMPOSITION

Rapeseed methyl ester

DOSE AND APPLICATION METHOD

Dilute in ratio 1:1 the ready-to-use insecticide formulation with PHYTOROB®.

Dilute in ratio 1:4-10 the concentrated insecticide formulation with PHYTOROB®.



TANK

Q.ty: 1 pc x 10 l Q.ty: 1 pc x 25 l



Phytorob® Bio

BRASSICA CAMPESTRIS SEED OIL

Organic oil obtained from the seeds of *Brassica Campestris*. Thanks to its plant origin and its natural extraction, PHYTOROB® BIO is a solvent which can be used in organic farming. It is suitable for direct treatments in the organic production sector. Adequate formulations must be employed.



COMPOSITION

Brassica Campestris seed oil

DOSE AND APPLICATION METHOD

Dilute in ratio 1:1 the ready-to-use insecticide formulation with PHYTOROB® BIO.

Dilute in ratio 1:4-10 the concentrated insecticide formulation with PHYTOROB® BIO.



TANK

Q.ty: 1 pc x 10 l Q.ty: 1 pc x 25 l

Focus Biosol® New

CARRIERS FOR CONCENTRATED FORMULATIONS

In the Pest Management professional field, the development of new solvents, which could represent an alternative to water in the preparation of the mixture dispensed in pest control, is a key issue.

Newpharm® has heavily invested in the development of a unique solvent, which is able to dilute all types of concentrated formulations, from Emulsion Concentrated to Suspension Concentrated.

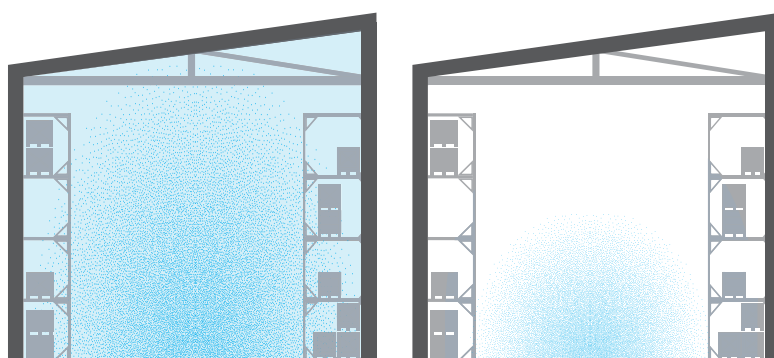
Biosol® New is the outcome of numerous tests in food and civil fields, where the need of keeping surfaces dry and preserve environments from humidity has always been more than a prerogative. With the modern methods of application (cold ULV), **Biosol® New allows the solution to reach the higher altitude for a more effective treatment.**

The Effectiveness Of Nebulisation Using Biosol® New

Areas reached by the particles of the solution diluted in Biosol New, compared to the one diluted in water. Biosol® New reaches every corner without bringing dampness or smearing surfaces.

Comparison between the levels of saturation:

- Dilution with Biosol® New
- Dilution with water



Dispersion of particles



Mist Aer-San® to enhance Biosol® New characteristics

Newpharm® offers a **revolutionary method of application: Mist Aer-San®,** a unique system for the application of liquid formulations.

Mist Aer-San® grants the correct dispensing of the products to realize Ultra Low Volume nebulization on the entire airspace of the environment.

The combination between Biosol® New and Mist Aer-San® grants a total coverage, reaching every corner and crack in the area to disinfect.

Once the working pressure is reached, **Mist Aer-San® sprays the mixture in complete autonomy,** realizing a real dry fog without causing any dampness or affecting surfaces and the existing facilities.

Mist Aer-San®
P. 99





Biosol® New

CARRIERS FOR CONCENTRATE FORMULATIONS

BIOSOL® NEW is designed to supplant water as solvent in the dilution of concentrate insecticide formulations for pest control treatments in closed spaces environments. BIOSOL® NEW allows to achieve the highest effect through cold applications with ULV nebulizers.

Ideal for water repellents surfaces.

COMPOSITION

2- propanol

DOSE AND APPLICATION METHOD

Prepare a solution by diluting one part of concentrate product with 4-20 parts of BIOSOL® NEW
Exclusively for cold treatments.

EQUIPMENT

▲ Mist Aer-San®
Cannon Aer-San®



TANK

Q.ty: 1 pc x 10 l



Newsol®

CARRIER FOR CONCENTRATE FORMULATIONS

NEWSOL® supplants water as solvent for cold treatments with ULV (*) nebulizers. It enhances the qualities of concentrate products employed for the pest control in closed environments. Ideal for the zootechnical sector.

COMPOSITION

Isopropyl alcohol: >30%
Polycarboxylates: 5-15%

DOSE AND APPLICATION METHOD

Prepare a solution by diluting one part of concentrate product with 4-20 parts of NEWSOL®.
Exclusively for cold treatments.

EQUIPMENT

▲ Mist Aer-San®
Cannon Aer-San®



TANK

Q.ty: 1 pz x 10 l

The importance of mixtures

PROPOSED SOLUTIONS

Nuvacid® 50	10-30 %	Phytorob®	70-90 %	Thermal foggers
		Newsol®	70-90 %	Tech Aer-San® Mist Aer-San®
		Biosol® New	70-90 %	Tech Aer-San® Mist Aer-San®
	10-20 %	Propylene Glycol + Water	15-30 % + 50-75 %	Thermal foggers

Nuvex® NO PBO	10-30 %	Phytorob® Bio	70-90 %	Thermal foggers
		Newsol®	70-90 %	Tech Aer-San®
		Biosol® New	70-90 %	Tech Aer-San®
	10-20 %	Propylene Glycol + Water	15-30 % + 50-75 %	Thermal foggers

New-Wall	20 %	Phytorob®	80 %	Thermal foggers
	10-30 %	Newsol®	70-90 %	Tech Aer-San®
		Biosol® New	70-90 %	Tech Aer-San®
	10-20 %	Propylene Glycol + Water	15-30 % + 50-75 %	Thermal foggers



Disinfectants and detergents





Disinfectants and detergents

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Vegenet Avi®

CONCENTRATED LIQUID DETERGENT

VEGENET AVI® is a concentrated liquid detergent which acts against the dirt on surfaces and prevents the development of the poultry red mite (*D. gallinae*). The solubilizer action boosts the general cleaning on the livestock and indirectly works against the red mite's aggregation and the establishment of new colonies. Since VEGENET AVI® acts directly on the surfaces, an even application of the product is essential for the efficacy of the treatment.

APPLICATIONS



TARGET

Mites: poultry red mites
(*Dermanyssus gallinae* - *Ornithonyssus sylviarum*).

DOSE AND APPLICATION METHODS

The results of the treatment with VEGENET AVI® is strictly related to the quantity of product used; therefore, it is suggested the application with the nebulizer VEGENET AVI® EVO.

With Vector-Avi® Evo (*):

In empty environments: apply diluted in water at 10% (10lt of VEGENET AVI® in 100lt of water) after a deep cleaning of the surfaces, cages and tools inside the livestock.

During the production cycle: as an adjuvant in case of emergency treatments on the critical spots, apply at low pressure (2-3 bar) before being diluted in water at 10%.

To avoid the formation of foam during the preparation of the solution add 1% of silicone defoamer.



TANK

Q.ty: 1 pc x 10 l



COMPOSITION

Non-ionic surfactants less than 5%

Contains: solvents, acidity regulators.

The 100% of ingredients have natural origin.

EQUIPMENT

* Vector-Avi® Evo



Baggy®

CONCENTRATED LIQUID DETERGENT

The disruptive action of the surfactants avoids the mites to spread into the surfaces and to create new colonies. The solubilizer and de-polymerizing action, helps to eradicate the nesting points and interferes in the development process and trophism of the red mites.

APPLICATIONS



TARGET

Mites: poultry red mites
(*Dermanyssus gallinae* - *Ornithonyssus sylviarum*).

DOSE AND APPLICATION METHODS

With Vector-Avi® Evo (*):

In empty environments: apply diluted in water at 10% (10lt of BAGGY® in 100lt of water) after a deep cleaning of the surfaces, cages and tools inside the livestock.

During the production cycle: as an adjuvant in case of emergency treatments on the critical spots, apply at low pressure (2-3 bar) before being diluted in water at 10%.

To avoid the formation of foam during the preparation of the solution add 1% of silicone defoamer.



TANK

Q.ty: 1 pc x 10 l

TANK

Q.ty: 1 pc x 1000 l



COMPOSITION

Cationic surfactants;

Non-ionic surfactants;

Amphoteric surfactants

EQUIPMENT

* Vector-Avi® Evo



Baggy® Plus

CONCENTRATED LIQUID DETERGENT

BAGGY® PLUS has a triple action: avoids the colonization of the surfaces, acts against the nesting points and dehydrates the mites through the physical action of the diatomaceous earth. The essential oils are also proven to be particularly irritating for those ectoparasites.

COMPOSITION

Cationic surfactants;
Non-ionic surfactants;
Amphoteric surfactants
Essential Oils
Diatomaceous earth

EQUIPMENT

* Vector-Avi® Evo

APPLICATIONS



TARGET

Mites: poultry red mites (*Dermanyssus gallinae* – *Ornithonyssus sylviarum*), dust mites and ticks.

Crawling insects: darkling beetle (*Alphitobius diaperinus*), ground beetles, fleas and other crawling arthropods.

DOSE AND APPLICATION METHODS

With Vector-Avi® Evo (*):

In empty environments: apply diluted in water at 10% (10lt of BAGGY® PLUS in 100lt of water). Keep the product in an ongoing agitation. Remove the filters to avoid obstruction

During the production cycle: as an adjuvant in case of emergency treatments on the critical spots, apply at low pressure (2-3 bar) before being diluted in water at 10%.

Shake well before use. It is recommended a mechanical mixing.



TANK

Q.ty: 1 pc x 20 kg



Amminorex®

CONCENTRATED LIQUID DETERGENT

AMMINOREX® is a detergent without quaternary ammonia with bactericidal action, including the control of tuberculous mycobacteria. Particularly suitable for food industries.

COMPOSITION

N- (3-aminopropyl)-N-dodecylpropan-1,3-diamine: 7 g



DOSE AND APPLICATION METHODS

Diluted: apply the product after dilution in water at 1,5%.

Washing is non necessary

APPLICATIONS



TARGET

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

TANK

Q.ty: 1 pc x 25 l



K30® NEW

CONCENTRATED LIQUID DETERGENT

K30® NEW, a iodine-based formulation with a broad spectrum of action has been conceived to be employed both in food industries (enological) and in the zootechnical premises. It is also particularly suitable in the fish farming industries.

COMPOSITION

Polyvinylpyrrolidone iodine:
10 g

APPLICATIONS



DOSE AND APPLICATION METHODS

Diluted: apply the product after dilution in water at 2-6%. The K30® NEW solution can be employed both manually and mechanically. Rinse the surfaces in contact with food. To be used with a suitable equipment (*).

EQUIPMENT

* Cannon Aer-San®
Mist Aer-San®



TANK

Q.ty: 1 pz x 20 l



Bioxy® LQ

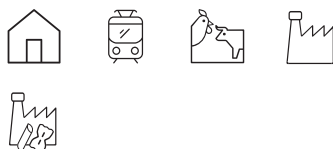
CONCENTRATED LIQUID DETERGENT

Active oxygen detergent for a full cleansing of surfaces and environments. In accordance with the HACCP programs in the food industry, BIOXY® LQ does not stain the surfaces.

COMPOSITION

Peracetic acid: 5 g

APPLICATIONS



TARGET

Bacteria, viruses and fungus.

DOSE AND APPLICATION METHODS

Diluted: apply the product after dilution in water at 2% (200 ml of BIOXY® LQ in 10 l of water).

To be used with a suitable equipment.



TANK

Q.ty: 1 pc x 25 l



Polisan® N

FOAM - CONTROLLED CONCENTRATED LIQUID DETERGENT

Broad-Spectrum neutral detergent with a wide range of applications, particularly suitable for the hygiene of equipment, tools and means of transport in the food industry (poultry industry, etc.)

COMPOSITION

Synergistic mixture of polyphenols, surfactants and sequestrants

APPLICATIONS



TARGET

Bacteria: gram +, gram -, tuberculous bacteria.

Lipophilic virus

Fungus

DOSE AND APPLICATION METHODS

Diluted: apply the product after dilution in water at 0,6-1% depending on the hygiene level to be achieved.

Rinse carefully the surfaces in contact with food.

POLISAN® N has been evaluated by the National Reference Center's virology laboratory and Reference Laboratory OIE against the Newcastle disease and the Avian Influenza virus by the Istituto Zooprofilattico Sperimentale delle Venezie.



TANK

Q.ty: 1 pc x 25 kg



Polisan® N New

CONCENTRATED LIQUID DETERGENT

Broad-spectrum neutral detergent with a wide range of applications, in a unique formulation which avoids the excess of foam for a higher practicality. It is also an inhibitor of the development of the bacterial spores.



COMPOSITION

Synergistic mixture of polyphenols, surfactants and sequestrants

APPLICATIONS



TARGET

Bacteria: gram +, gram -, tuberculous bacteria.

Lipophilic virus

Fungus

DOSE AND APPLICATION METHODS

Diluted: apply the product after dilution in water at 0,6-1% depending on the hygiene level to be achieved.

POLISAN® N NEW has been evaluated by the National Reference Center's virology laboratory and Reference Laboratory OIE against the Newcastle disease and the Avian Influenza virus by the Istituto Zooprofilattico Sperimentale delle Venezie.



TANK

Q.ty: 1 pc x 25 kg

Focus Peracetic Acid

The disinfectant with the broadest spectrum of action

Nowadays among disinfectants, the peracetic acid is the active substance with the broadest spectrum of antimicrobial action in use in food industry and in biosafety programs in the livestock sector.

Besides its bactericidal, virucidal and fungicidal activities, the peracetic acid actively eliminates microbial spores.

While the wide spectrum of action translates into a greater advantage for the operator, the ability of the peracetic acid to act regardless the pH of the substrate is perhaps its main benefit.

From the moment of the application, rapid contact times are required, and only peroxides and the acetic acid can be recorded thanks to the spontaneous degradation of the peracetic acid.

Therefore, unlike many other disinfectants, it does not pollute the surfaces with halogens or other toxic residues for the food chain.



This acetic acid peroxide is a powerful oxidizer that combines the active oxygen, typical of peroxides, with a molecule of acetic acid.

The oxidant strength of the peracetic acid hits the microorganisms by destroying the lipoproteins that compose the cell membrane, as well as altering irreversibly the cellular chemiosmotic properties. Moreover, after the microbial cell is collapsed, the peracetic acid denatures the proteins: the sporicidal activity is thus explained.

The peracetic acid acts also at intracellular level, by destroying the enzymes and denaturing the DNA at cell nucleus level.

At 1% concentration, the peracetic acid destroys Gram + and Gram- bacteria, fungi, spores, viruses and Toxoplasma organisms within 10 minutes.

Viroster®/Newster® range

Viroster®/Newster® range by Newpharm® is based on derivative peracetic acid and stands on two distinct solid concentrate detergents: Viroster® Food for the agri-food sector and Newster® Vet intended for the high cleansing and biosecurity in livestock environments.

Unlike others peracetics available in the market, Viroster®/Newster® range does not corrode materials due to its balanced formulation.

Laboratory tests

The disinfectant activity of a formulation depends on many variables that fall within strictly methodologies specified in harmonized European standards, through which the various conditions the product works are evaluated.

Here below are shown the tests to which the product has been subjected:

Viroster® Food

Regulations	Activity	Concentration	Contact time
EN 1276*	Bactericide	0,5%	5 minutes
EN 13623*	Legionella pneumophila	0,5%	60 minutes
EN 13697	Bactericide	1%	5 minutes
EN 13697	Fungicide	2%	15 minutes
EN 1650*	Fungicide	2%	15 minutes
EN 13610	Virucidal	2%	15 minutes
EN 14476v	Virucidal	2%	60 minutes
EN 14675*	Virucidal	1%	30 minutes

*test performed under conditions of high dirt

Newster® Vet

Regulations	Activity	Concentration	Contact time
EN 1276*	Bactericide	0,5%	5 minutes
EN 13697*	Bactericide	1%	5 minutes
EN 1650	Fungicide	2%	15 minutes
EN 13697*	Fungicide	2,5%	30 minutes
EN 13697*	Fungicide	2,0%	15 minutes
EN 1656*	Bactericide	0,5%	30 minutes
EN 1657*	Fungicide	2%	30 minutes
EN 14675*	Virucidal	1%	30 minutes
EN 14349*	Bactericide	2,5%	30 minutes

*test performed under conditions of high dirt

live Viroster® Food

CONCENTRATED POWDER DETERGENT



Detergent for the food and animal feed industries with a bactericidal activity as far to the spores. Thanks to its formulation, it is compatible with all washable surfaces and has a short time of action.

COMPOSITION

Peracetic Acid 19,5 g to Tetraacetilendiammina g 29

Sodium percarbonate equivalent to 12 g of hydrogen peroxide

APPLICATIONS



TARGET

It performs bactericidal, fungicidal, virucidal action, etc. Effective also against *Legionella pneumophila*.



Prepare the solution as needed



Mix the solution several times



After 15 minutes the solution is ready to be used.



BUCKET

Q.ty: 4 pc x 2 kg

live Newster® Vet

CONCENTRATED POWDER DETERGENT



Detergent for the livestock environments with a bactericidal activity as far to the spores. Thanks to its formulation, it is compatible with all washable surfaces and has a short time action.

COMPOSITION

Peracetic Acid 19,5 g to Tetraacetilendiammina g 29

Sodium percarbonate equivalent to 12 g of hydrogen peroxide

APPLICATIONS



TARGET

It performs bactericidal, fungicidal, virucidal action, etc. Effective also against *Legionella pneumophila*.



Prepare the solution as needed



Mix the solution several times



After 15 minutes the solution is ready to be used.



BUCKET

Q.ty: 4 pc x 2 kg



Bra-Newsan®

DISINFECTANT-DETERGENT DEODORANT CONCENTRATED LIQUID

BRA-NEWSAN® is a broad-spectrum liquid disinfectant with a detergent and deodorizing action, suitable for all washable surfaces. The product operates not only on a deep cleaning level, but is also able to eliminate the germs responsible of diseases and unpleasant odors.

DOSE AND APPLICATION METHODS

- 50-100 ml in 10 l of water : for a general cleaning of the washable surfaces
- 150-300 ml in 10 l of water : for more important cleanings
- 500-700 ml in 10 l of water : for a strong and rapid hygiene and cleaning
- As it is: for particularly dirty surfaces

To be used with suitable equipment.

Rinse carefully the surfaces in contact with food.

APPLICATIONS



TARGET

Bacteria: (*Staphylococcus Aureus*, *Enterococcus Hirae*, *Escherichia Coli*, *Pseudomonas Aeruginosa*).

Fungus: (*Candida Albicans*, *Aspergillus Niger*) and molds.



TANK

Q.ty: 4 pc x 5 l



BOTTLE

Q.ty: 6 pc x 1 l



FRAGRANCE

COMPOSITION

Didecil-dimethyl-ammonium chloride: 5 g



Bra-Newphen® 100M

CONCENTRATED LIQUID DISINFECTANT

BRA-NEWPHEN® 100M is a broad-spectrum disinfectant, particularly suitable for the hygiene of surfaces in contact with food. In accordance with the HACCP programs, it does not stain the surfaces.

DOSE AND APPLICATION METHODS

Diluted: apply the product after dilution in water at 4% (4 l of BRA-NEWPHEN® 100M in 100 l of water).

For a general cleaning use BRA-NEWPHEN® 100 M in ratio 1% to 3%

To be used with suitable equipment.

Rinse carefully the surfaces in contact with food.

APPLICATIONS



TARGET

Bacteria: (*Staphylococcus Aureus*, *Enterococcus Hirae*, *Escherichia Coli*, *Pseudomonas Aeruginosa*).

Fungus: (*Candida Albicans*, *Aspergillus Niger*) and molds.



TANK

Q.ty: 1 pz x 10 l

Q.ty: 1 pz x 20 l



COMPOSITION

Didecil-dimethyl-ammonium chloride: 9 g



Actiform® N New

LIQUID DETERGENT

ACTIFORM® N NEW is a special multi-purpose liquid detergent, able to deeply remove the organic substances from the washable surfaces, thereby eliminating unpleasant odors and inhibiting the development of bacterial microorganisms.

COMPOSITION

5-15% non-ionic surfactants
Inf. to 5% catatonic surfactants (Benzalkonium chloride)

Others: perfume, citronellol, D-limonene

DOSE AND APPLICATION METHODS

Diluted: apply the product after dilution in water at 3% (300 ml of ACTIFORM® N NEW in 10 l of water).

As it is: for a particularly energetic hygienist.

To be used with suitable equipment.

APPLICATIONS



TANK

Q.ty: 4 pc x 5 l



Bra-Newsan® Spray

SPRAY DISINFECTANT

Ready to use detergent for washable surfaces with a high degreasing and disinfectant action. Apply and allow to react for 15 minutes.



FRAGRANCE

COMPOSITION

Bis (3-aminopropyl) dodecylamina: 0,2 g

DOSE AND APPLICATION METHODS

Pure: apply on the surface to be disinfected and scrub with paper or a disposable cloth up to dry the surface.

APPLICATIONS



TARGET

BACTERIA: *Staphylococcus aureus*, *Enterococcus hirae*, *Escherichia coli*, *Pseudomonas aeruginosa*.

FUNGUS: *Candida albicans*, *Aspergillus niger* and molds.



TRIGGLE

Q.ty: 12 pc x 750 ml



Odorbloc® NP

CONCENTRATED DEODORANT

The innovative bioactivator ODORBLOCK® NP is specially designed to reduce the odors and to activate the composting process of the organic substances in the waste management, zootechnical and agro-industrial areas.

COMPOSITION

Terpinol

APPLICATIONS



TARGET

Inhibitory action towards a wide range of microorganisms.

DOSE AND APPLICATION METHODS

Diluted: apply the product after dilution in water at 2-5%, then apply the solution directly on surfaces and/or on stinking heaps. Treat pits or moats with a concentration up to 30%.

To be used with suitable equipment.



TANK

Q.ty: 4 pc x 5 l



Ecobiol

CONCENTRATED BIOACTIVE DEODORANT

Biological solution to enable the organic substance's biodegradative natural process, in order to achieve an effective control on unpleasant odours.

ECOBIOI operates improving the composting process of the organic matrix.

COMPOSITION

3,7-dimetil-2,6-ottadienale

APPLICATIONS



TARGET

Direct action against the microorganism guilty of the unpleasant odour.

DOSE AND APPLICATION METHODS

Diluted: apply after dilution in water from 1% to 5% (100 – 500 ml of ECOBIOL in 10lt of water) directly on the organic matrix or wastes.

To be used with suitable equipment.



TANK

Q.ty: 4 pc x 5 l

Q.ty: 1 pc x 25 l

Focus Vegemat®

Vegemat®: among the first environmentally friendly certified detergents.

Among its aims, the green economy has the scrupulous environmental impact assessment of the production chains, from raw materials to the finished product.

In Pest Control's sector the environmental impact has always yielded a heavy importance, to suffer restrictions from year to year in the use of products.

A combination of cutting-edge technology to provide a daily and environmentally friendly product

Vegemat® is made of ingredients coming from agricultural exhausted matrices or by-products of the food industry that go back in the environment without having a negative impact.

Newpharm® has always aimed to reverse this trend, by offering sustainable solutions with a low environmental impact.

Vegemat® stands out among the detergents with the highest degreasing power deriving from the green economy, with a vision towards the environmental protection and the agribusiness chain.

Applicable when needed, it can also be used for the cleansing of food containers, becoming one of the most valued products searched by the food industry.



Vegemat®

CONCENTRATED VEGETAL ECO-DETERGENT

Detergent based completely on biological vegetable matrices with extremely high degreasing characteristics. This product is allowed to be in contact with food.

DOSE AND APPLICATION METHODS

Diluted: apply the product after been diluted in water from 3% to 20%, depending on the level of dirt.

To be used with suitable equipment.

Also usable with preassure washers.

COMPOSITION

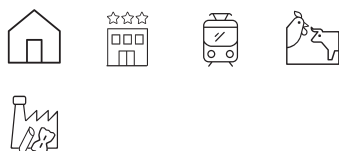
Non-ionic surfactants less than 5%.

Contains: water, sequestering agent, pH corrector.

97% of ingredients have natural origin.



APPLICATIONS



TANK
Q.ty: 1 pc x 5 l



Pre Fito Lactic Foam

PRE-DIPPING FOAMING EMOLLIENT DETERGENT LACTIC ACID

PRE FITO-LACTIC FOAM is a ready-to-use foaming detergent formulation to be used by immersion with a special applicator. It does not cause irritation due to the presence of soothing and decongestant emollients and plant extracts of *Althaea Officinalis*, which are ideal for skin inflammations. It contains also the well-known *Calendula Officinalis* extract. The hygienist activity allows to thoroughly remove all traces of organic substance from the treated surface, thus increasing the effectiveness of the post-dipping treatment.

APPLICATIONS



DOSE AND APPLICATION METHODS

Immersion: before milking, apply the product as it is by immersing the individual nipples in the special cup which contains the foam. Dry with paper to remove the product and dirt.

COMPOSITION

Anionic, non-ionic and amphoteric surfactants
Lactic Acid
Calendula Officinalis
Althaea Officinalis plant extracts
Coformulants and water q.b. to 100
pH slightly acid. Specific weight (20 ° C): 1 g / cm³



TANK

Q.ty: 1 pc x 10 kg - 25 kg - 220 kg - 1000 kg



Pre Fito Foam

PRE-DIPPING FOAMING EMOLLIENT DETERGENT GLYCOLIC ACID

PRE FITO-FOAM is a ready-to-use foaming detergent formulation to be used by immersion with a special applicator. It does not cause irritation due to the presence of soothing and decongestant emollients and plant extracts of *Althaea Officinalis*, which are ideal for skin inflammations. It contains also the well-known *Calendula Officinalis* extract. The hygienist activity allows to thoroughly remove all traces of organic substance from the treated surface, thus increasing the effectiveness of the post-dipping treatment.

APPLICATIONS



DOSE AND APPLICATION METHODS

Immersion: before milking, apply the product as it is by immersing the individual nipples in the special cup which contains the foam. Dry with paper to remove the product and dirt.

COMPOSITION

Non-ionic and amphoteric surfactants
Glycolic Acid
Calendula Officinalis
Althaea Officinalis
pH slightly acid. Specific weight (20 ° C): 1 g / cm³



TANK

Q.ty: 1 pc x 10 kg - 25 kg - 220 kg - 1000 kg



APPLICATIONS



Pre D Clorex

PRE-DIPPING EMOLLIENT DETERGENT

Pre D Clorex is a ready-to-use formulation made of chlorhexidine and used for the cleaning of dairy cows nipples. Before the milking process it has a cleansing action for the nipple and breast, and it is a useful emollient with a softening and toning effect on the skin. It improves the overall health of the animal and facilitates the milking.

COMPOSITION

Chlorhexidine gluconate 1%

DOSE AND APPLICATION METHODS

Wash the nipples with water. Before milking, sprinkle the nipples with Pre D Clorex by spraying or dipping.

Wash the nipples with preferably warm water before the next milking.

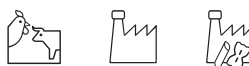


TANK

Q.ty: 1 pc x 10 kg - 25 kg - 1000 kg



APPLICATIONS



Post Fito Gel

POST-DIPPING GEL GLYCEROL

POST FITO GEL is a ready-to-use filming formulation which guarantees a daily hygienist treatment of the nipples' skin after the milking process. The plant extracts give unique characteristics to this formulation, rich in emollient and moisturizing Glycerol. Prolonged and continuous use of the product does NOT cause irritation due to the presence of soothing plant extracts and emollients. The long-lasting hygienist activity is due thanks to the presence of thickeners which perform a filming action allowing the active ingredients to adhere to the nipples and ensuring excellent hygienic conditions.

COMPOSITION

Hygienic solution in gel with Propanediol, Glycerin. Inf.5% Thickeners, Emulsifiers, Plant extracts of Ocimum sanctum and Curcuma longa.

DOSE AND APPLICATION METHODS

Immersion: dip the nipples after milking into the appropriate glass.



TANK

Q.ty: 1 pc x 1 kg - 5 kg - 10 kg - 25 kg - 220 kg



Post Extra Gel 2.0

POST DIPPING GEL ESSENTIAL OILS

POST EXTRA GEL 2.0 is a ready-to-use filming formulation which guarantees a daily hygienist treatment of the nipples' skin after the milking process. Propolis resin, Calendula extract, natural essential oils of Eucalyptus and Thyme give unique characteristics to this formulation, rich in emollient and moisturizing Glycerol. Prolonged and continuous use of the product does NOT cause irritation due to the presence of soothing plant extracts and emollients. The long-lasting hygienist activity is due thanks to the presence of thickeners which perform a filming action allowing the active ingredients to adhere to the nipples and ensuring excellent hygienic conditions.

COMPOSITION

Essential Oil of Thyme, Eucalyptus globulus, Extract of Propolis, Calendula officinalis vegetable extract, Lactic Acid, Glycerin, 1-2 Propanediol, Thickeners, Colorants, Coformulants and water q.b. to 100.

APPLICATIONS



DOSE AND APPLICATION METHODS

Immersion: dip the nipples after milking into the appropriate glass.



TANK

Q.ty: 1 pc x 1 kg - 5 kg - 10 kg - 25 kg - 220 kg



Post D Pvp

IODINE BASED READY TO SPRAY DETERGENT

POST D PVP is a special cleaner formulated specifically for hygiene and protection of the nipple of beef/dairy cattle from the infections. Keeping the nipple in good condition even during unfavorable weather conditions plays an important role in improving the health of the animal and facilitating the operations of milking. It quickly forms a flexible and thin-film barrier which covers the teat canal orifice.

COMPOSITION

Tetrasodium ethylene 5%
Sodium dodecyl benzene sulfonate 5%
Sodium metasilicate pentahydrate 1%
C12-14 alkyl dimethyl amine
N-oxides 1%

APPLICATIONS



DOSE AND APPLICATION METHODS

Teat Spraying: After having washed the nipples with water, spray POST D PVP as it is, being careful to apply it in the full length of each teat.

Teat Immersion: After having washed the nipples with water, fill a tea-cup in order to apply POST D PVP as it is, being careful that the entire surface of the teat comes in contact with the solution. After each cow has been milked, dip each teat into the solution. Nipple cups should be emptied after milking and washed before reuse. Wash the nipples with water before the next milking and discard the first stream of milk at the beginning of the milking.

TARGET

Gram+ and Gram- bacteria
Staph. aureus, *E.coli* and *Strep. uberis*, *Candida albicans*



TANK

Q.ty: 1 pc x 10 kg - 25 kg - 1000 kg



APPLICATIONS



Week Desk

ACID DETERGENT

WEEK DESK is a liquid detergent with descaling action for weekly washing and hygienist treatments of milking plants and industrial food equipment. It acts energetically removing any insoluble residue of calcium (milky stone). It does not foam, it is free of surfactants, does not leave dangerous residues, it is easy to rinse, and it is odourless. Particularly suitable for the hygienist treatments of plants and equipment in contact with milk, of watering lines, pipes, valves, storage tanks, metering pumps.

DOSE AND APPLICATION METHODS

Use the instructions provided by the milking machine manufacturer
Milking plant: dilute in cold water in ratio 50-100 g per 10 litres of water and let it circulate inside the milking plant.

Equipment, Pipes: the 5-10% solution can be used by spraying, nebulizing or by total immersion for a contact time of at least 10 – 20.

Small tanks or cisterns: Fill it completely with water and add the 5-10% solution. Wait, empty and rinse.

Rinse well with drinking water.

COMPOSITION

15-30% Nitric acid
Ortho-phosphoric acid. Inf. 5%
Sequestrants
Chelators.



TANK

Q.ty: 1 pc x 1 l - 5 l - 10 l - 20 l - 1000 l



APPLICATIONS



Hard Nof Det

ALKALIN NON-FOAMING DETERGENT

HARD NOF DET is able to solubilize and quickly remove all types of organic dirt, even the most significant ones; it is a 90% biodegradable product. It is suitable for the cleaning of equipment in food and wine industries; it preserves the processing cycles of milk during beverage production and packaging, especially in agricultural companies and farms. It leaves the treated surfaces perfectly bright.

DOSE AND APPLICATION METHODS

Cleansing: apply the product in solution 2% -10% with pressure pumps

Tartar-removing procedure: spread the product in solution 5-10%

CIP PLANTS: diluted at 1-2% in water. After the use, thoroughly rinse with clean water.

Animal shelters: apply the product at 1-5% with a minimum contact times of about 10 minutes. Include the use of descaling products before performing the operation. Do not mix with acid products

COMPOSITION

Sodium hydroxid 30%
Tetrasodium ethylene 5%



TANK

Q.ty: 1 pc x 25 kg - 1000 kg



APPLICATIONS



Sani Plus

SUPER CONCENTRATE DETERGENT

SANI PLUS is a liquid concentrate detergent soluble in water, glutaraldehyde and benzalkonium chloride based, for the hygiene of walls, floors and intensive farming's equipment (pigs, cattle, poultry...), and for zootechnical use. The product has a broad spectrum of action and a long persistence in the treated area in addition to a high penetration and an excellent antiseptic power. SANI PLUS does not damage iron, zinc, steel and rubber and is therefore suitable for the hygiene of trucks entering livestock industries.

COMPOSITION

Glutaraldehyde 20%
Benzyl-C12-C16 alkyl-
dimethylammonium
chloride 10%

DOSE AND APPLICATION METHODS

Diluted: Apply the product at 0.5% -1% in water with the minimum contact times of about 10-15 minutes.

If in presence of organic dirt, use a dilution of 2-3% with a minimum contact time of at least 10-15 minutes.

Leave it to dry and, if possible, use a cloth to dry. For a better hygiene, we recommend a careful cleansing if possible.



TANK

Q.ty: 1 pc x 10 kg - 25 kg - 1000 kg



APPLICATIONS



Det Foam N

CONCENTRATE FOAMING DETERGENT

DET FOAM N is the latest generation of degreaser to be diluted in water to remove deep dirt and cleanse walls, floors, equipment and agricultural vehicles. It is mostly suggested in intensive livestock and in particular in birth, weaning and fattening zones. It does not affect metals, rubber, and other materials. Biodegradability over 90%, non-toxic and not corrosive.

DOSE AND APPLICATION METHODS

Diluted: Distribute the product diluted in water at 3%-5% with high-pressure equipment in order to produce a dense foam. Leave to act for about 20 minutes and then rinse preferably with hot water.

As it is: For intense dirt, use the product as it is and leave it to act for at least 20 minutes before rinsing.

It is suggested to wet the surfaces before to apply the product.



TANK

Q.ty: 1 pc x 1 kg - 5 kg - 10 kg - 25 kg - 1000 kg



Base® Cleaner

CONCENTRATED LIQUID DEGREASING DETERGENT

Foam-controlled degreaser detergent for the thorough washing of the surfaces soiled with oily residues, grease and organic material.

COMPOSITION

Anionic non-ionic surfactants: 5-15%
Phosphates, solvents, sequestering agents, fragrances: 5-15%

APPLICATIONS



TARGET

Inhibitory action towards a wide range of microorganisms.

DOSE AND APPLICATION METHODS

Diluted: apply the product after dilution in water (minimum 500 ml in 100 l of water). Increase the dose depending on the level of dirt. To be used with suitable equipment.



TANK

Q.ty: 4 pc x 5 l



Chlor Foam Det

ALKALINE LIQUID CONCENTRATE FOAMING DETERGENT

CHLOR FOAM DET is a cleaning product, chlorine based, to be diluted in water for the cleaning, degreasing and hygiene of walls, floors and equipment in poultry, cattle, sheep and pig intensive livestock.

THE PRODUCT SHOULD NOT BE USED ON METALS.

COMPOSITION

Sodium hypochlorite 5%
Sodium hydroxide 5%
Ammine cocco alchildimetil 5%

APPLICATIONS



DOSE AND APPLICATION METHODS

Distribute the product diluted in water at 3%-5% with high-pressure equipment in order to produce a dense foam.

Leave to act for about 20 minutes and then rinse preferably with hot water.

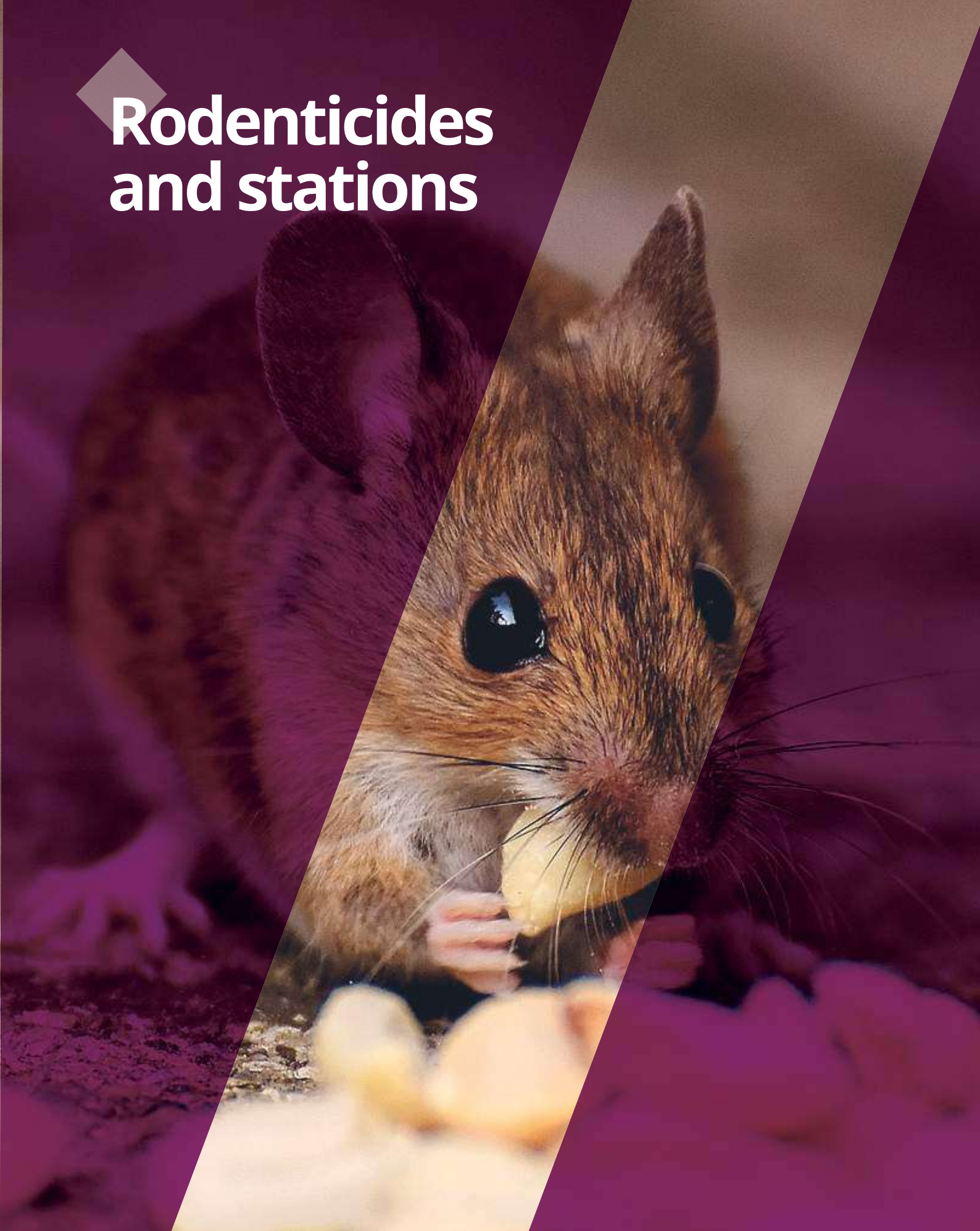
In presence of organic dirt, it is suggested to wet the surfaces before applying the product.



TANK

Q.ty: 1 pc x 1 kg - 5 kg - 10 kg - 25 kg - 1000 kg

Rodenticides and stations





Rodenticides

RapidPro	p. 90
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Traps

<i>New Station</i> Contact	p. 92
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Bait station

<i>New Station</i> Double	p. 93
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<i>New Station</i> Tiny	p. 93
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<i>New Station</i> Pro	p. 94
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Focus Alphachloralose

Rapid pro: the alternative to anticoagulants

Recently, new types of rodenticides have come on the market which have different modes of action if compared with anticoagulants.

For example, **the alphachloralose is a narcotic substance which acts on the nervous system of the pest** causing a general slowdown of the metabolism, the respiratory system, the cerebral activity and the sinus rhythm. Rodents fall asleep, enter coma and die during their sleep because of hypothermia. The rodenticide action is very violent and takes effect very quickly. In fact, baits formulated with this active substance are **ideal for immediate corrective actions**.

The alphachloralose is a valid support for rodent control in indoor environments.

The active substance is not resistant and disappear spontaneously after 12 hours, avoiding toxic materials to accumulate in the food chain as it may occur with other active substances.

Fast acting formula

It takes just 1 day!



Rapid pro eliminates mice and rats

No damages to non-target species



RapidPro

RODENTICIDE CREAM

RAPIDPRO is a ready-to-use effective rodenticide cream which has depressant properties for the nervous system and the convulsive system of rodents.

It is suitable for the fight against the *Mus Musculus* and other species, but it has to be employed in restricted areas and in environment not exposed to low temperatures.

They come in practical cartridges of 300 g.

DOSE AND APPLICATION METHOD

Against **domestic mice** (*Mus musculus*): apply 8 g of bait for each station of poisoning

Insert inside apposite safe container

Compatible with: NEW STATION PRO, NEW STATION ABLE, NEW STATION SMART.

COMPOSITION

Alphachloralose: 3.996 g

Denatonium benzoate:
0,008 g

APPLICATIONS



SYRINGE

Q.ty: 12 pc x 300 g

FOCUS REACH

Registration Evaluation Authorization and restriction of Chemicals for products and accessories

This page is dedicated to the REACH or EC Regulation No. 1970/2006. This European regulation has been designed for the registration, the evaluation and authorization of chemical substances, with the aim of protecting human health and the health of the environment.

The regulation includes all the instructions regarding the production, import, marketing and use of all the chemical substances as they are included in mixtures or in products. Only if chemical products are in compliance with all the criteria, they can be used and sold safely in the European Community.



The Newpharm® commitment

It may look strange to talk about this regulation at the beginning of a chapter dedicated to Accessories and Equipment, but not everyone knows that these products must comply with the REACH regulation in order to be sold in the European Community.

The selected accessories and equipment sold by Newpharm® are attentively examined in order to be in compliance with the law. Only after that, they are sold and used, assuring a total protection of consumers, users and the environment.

Newpharm®'s conscious choice is to choose only European suppliers which are more reliable and fully respect current regulations.



New Station Contact



Plastic tunnel specifically designed for cream bait stations for rodents.

Elegant and discrete, the Concrete bait station can be re-used at any time

DIMENSIONS

40 x 7,5 x 7,5 cm

FIELDS OF APPLICATION



TARGET PESTS



APPLICATION METHOD

Remove the lid and apply the bait at the base.

Suitable for indoor environments. It can be placed also outside buildings to create a double protective belt: the first along the external perimeter of the interested area, while the second along the external walls of the building.

Contact is used in order not to soil the surfaces.

Inspect regularly.



STATION

Q.ty: 10 pc x 1



New Station Double



FIELDS OF APPLICATION



TARGET PESTS



Rodent trap station directly designed by Pest Control professionals. One container with two traps conceived to capture small rodents. Practical and versatile, it can be transformed into a bait station.

DIMENSIONS

30,1 x 11,8 x 6,8 cm

APPLICATION METHOD

Place inside two mechanical traps. On the lateral sides, it is possible to place a non-toxic bait, such as a wax blocks.

The container can be fixed on the ground with a mounting bracket (optional).

Customizable with your company logo pad printed for free (minimum 200 pc).



STATION

Q.ty: 10 pc x 1

New Station Tiny



FIELDS OF APPLICATION



TARGET PESTS



Practical container with snap traps for the capture of small rodents.

Practical and discreet, it can be transformed into a bait or a monitoring station using any toxic or non-toxic bait. Through the fissure on the top of the container it is possible to monitor the correct functioning of the snap traps.

DIMENSIONS

14 x 11,5 x 6,2 cm

APPLICATION METHOD

Place the mechanical snap trap.

The container can be fixed on the ground with a mounting bracket (optional).

Customizable with your company logo pad printed for free (minimum 200 pc).



STATION

Q.ty: 20 pc 1



FIELDS OF APPLICATION



TARGET PESTS



New Station

Pro

Multifunctional container designed for Pest Control professionals. This propylene container is divided into two sections (where cream or granular rodenticide baits can be placed), a metallic support for formulated cream baits or wax blocks, and a specific room for the mechanical snap trap. The innovative design does not cause neophobia.

DIMENSIONS

33 x 23 x 13 cm

APPLICATION METHOD

Place the mechanical snap trap.

The container can be fixed on the ground with a mounting bracket (optional).

Customizable with your company logo pad printed for free (minimum 200 pc).



STATION

Q.ty: 10 pc x 1



FIELDS OF APPLICATION



TARGET PESTS



New Station

Able

Able is smaller than other containers, so it can be used in different professional situations. It works as a bait station (it can be activated with any kind of rodenticide bait) and a trap station for any species of rodent. It guarantees maximum flexibility.

DIMENSIONS

26,2 x 16,6 x 10,1 cm

APPLICATION METHOD

Place the mechanical snap trap.

The container can be fixed on the ground with a mounting bracket (optional).

Customizable with your company logo pad printed for free (minimum 200 pc).



STATION

Q.ty: 10 pc x 1



New Station Smart

Small practical multifunctional container suitable for any kind of bait (rodenticides or food baits). It is placed in a central position inside the container.

DIMENSIONS
28 x 19 x 12 cm

FIELDS OF APPLICATION



TARGET PESTS



APPLICATION METHOD

Place the mechanical snap trap.

The container can be fixed on the ground with a mounting bracket (optional).

Customizable with your company logo pad printed for free (minimum 200 pc).



STATION
Q.ty: 10 pc x 1



New Station Ultra Bait VR

High-quality enamelled-steel rodent bait dispenser with anti-tamper device. It includes a removable plastic tray suitable for any kind of bait. Ideal to monitor indoor, outdoor and perimetral areas.

DIMENSIONS
32,2 x 21,2 x 12 cm.

FIELDS OF APPLICATION



TARGET PESTS



APPLICATION METHOD

The dispenser can be secured with screws at the base or it can be fixed on the wall with a mounting bracket.



STATION
Q.ty: 6 pc x 1

Professional equipment





Nebulization systems

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Focus CE marking

Equipments' fundamental european quality standards

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.

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.

Equipment conformity

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.



Tank Aer-San®

EQUIPMENT TO BE FIXED AT THE TANK
OF READY-TO-USE PRODUCTS.

This compressed air apparatus allows the nebulization of concentrated insecticides and disinfectants.

SIZE

18 x 13 x 10 cm

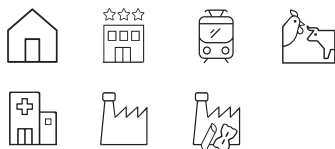
MAIN FEATURES

- Weight 700 g
- Chemical-agent-resistant nozzle
- 0-12 bar pressure gauge;
- "Air entry" valve
- N°1 stainless air-liquid spray head

METHOD OF USE

- Replace the lid of the tank with the apparatus and fix it with wing screws.
- Plug the compressed air
- Open the air faucet
- Regulate the pressure (not over 1.5 bar)
- To switch off the equipment, close the air faucet.

FIELDS OF APPLICATION



EQUIPMENT

Q.ty: 1 pc

Mist Aer-San®

COMPRESSED-AIR EQUIPMENT FOR THE NEBULIZATION OF INSECTICIDES AND DISINFECTANTS

Its robustness, flexibility and simplicity to use are the reasons why this product is ideal for being used in extreme conditions.

Thanks to its brand new air-liquid nozzle, every solution will be finely micronized in the environment for the highest possible efficiency.

METHOD OF USE

- Insert the product in the 20l pressure tank;
- Inlet the compressed air (10mm tube);
- Regulate to the needed pressure (we advise 6 bar)
- Open the air valves
- Open the product's valve
- To turn of the equipment, follow the procedure backwards.

SIZE

79 x 35 x 35 cm

MAIN FEATURES

- Weight 12 kg
- Chemical-agent-resistant nozzle
- 10 bar safety valve;
- 0-10 bar pressure gauge;
- "Air entry" valve
- "Liquid exit" valve
- "Air exit" valve
- N°1 stainless air-liquid spray head
- Handgun and 8 m spiral tube

Optional:

- 1.5 HP mini compressor
- 2 x 3 l tank
- Timer



24000 m³/h

PROFESSIONAL
EQUIPMENT



Air-liquid nozzle



TIMER (Optional)
For the automatic delivery of MIST AER-SAN®

FIELDS OF APPLICATION



EQUIPMENT

Q.ty: 1 pc



**WATCH THE
VIDEO ON
YOUTUBE**

Tech Aer-San®

ENVIRONMENTAL TREATMENTS' AUTOMATIC CONTROL

TECH-AER SAN® technology, in "manual control" version or "remote control" via Smartphone's APP version, allows the management of pest control and disinfection treatments in food industry or storage areas.

Through the special stainless steel nozzle connected to the 20l tank, the product will be dispensed for the established time period.

This device is equipped with a programmable control unit.

FEATURES

- Weight 11 kg
- 20 L tank
- Air-liquid nozzle
- Control Unit + electrovalve
- White+blue rilsan tube 6/4

METHOD OF USE

The control unit can be programmed via APP and NFC sensor:

- TECH AER-SAN® has to be connected to the Wi-fi via the apposite Smartphone Android and iOS application;
- From the application it is possible to switch manually the machine On and Off or to set the functioning for specific days or times, even on a recurring basis.
- TECH AER-SAN® can be activated through "remote control", in order to be safely far from the treated area.

20 l tank



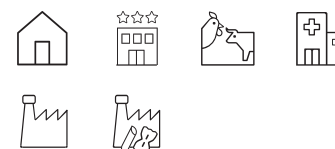
air-liquid nozzle



power unit



FIELDS OF APPLICATION



EQUIPMENTS

Q.ty: 1 pc



**WATCH THE
VIDEO ON
YOUTUBE**

Tech Mosquitoes Aer-San®

AUTOMATIC NEBULIZATION SYSTEM

This is the world's most advanced automatic nebulization system for mosquitoes' control in outdoor areas.

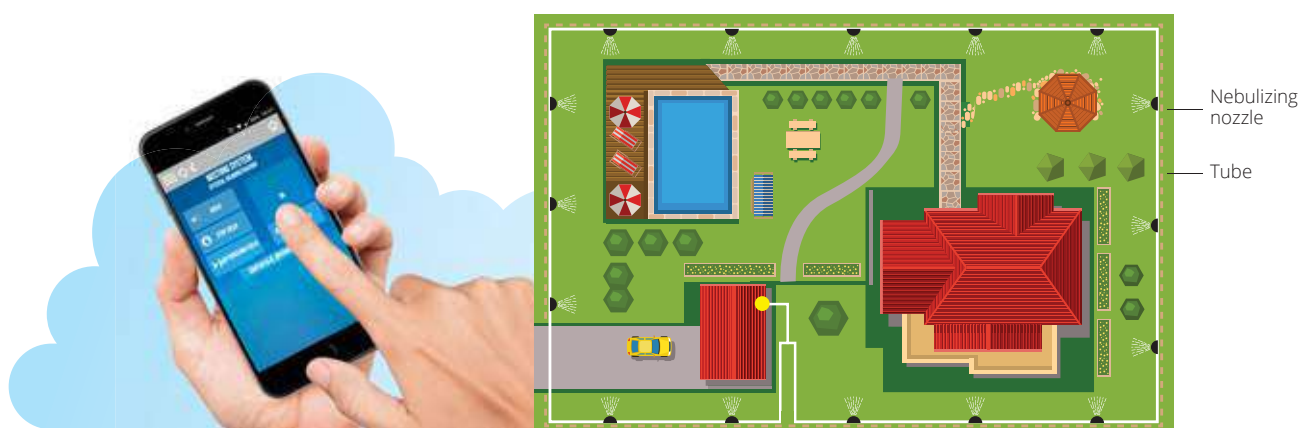
Thanks to the special housing for concentrate formulations, both insecticides and hydrolates, the system prepares the mixture which will be automatically sprayed in each cycle.

FEATURES

- Powered by a 220V motor
- Connected to a water source
- Mobile App for remote control

METHOD OF USE

The dimension of the area to protect will not be a problem, because the TECH MOSQUITOES AER-SAN® control unit can reach a coverage of up to 1.000 m² with extreme efficiency. In the case of larger areas, it will be sufficient to install a second system, and so forth.



The anti-mosquito system builds a barrier along the treated area's perimeter, which protects from mosquitoes and other insects.

● Area where the system is installed.

iTECH MOSQUITOES APP

TECH MOSQUITOES AER-SAN® can be remotely controlled via the domestic wireless network. iTech Mosquitoes App will allow the user to be always connected with the system, with the possibility to:

- **Add further cycles to the standard schedule.** During summer, there are times when the mosquitoes can be more present: adding further cycles helps to increase the protection from the insects.
- **Skip a scheduled cycle.**
- **Control the product's level.** Thanks to the App, you can control the level of the product whenever you want, and you will know how many days are left before the next refilling.
- **Modify the memorized cycles' schedule.** Do you want to change the time of the cycles? Do you want to add another one? No problem!
- **Send a support request.** Directly ask for help to your iTech Mosquitoes assistant for any need.
- **In case of damage of the system,** the problem will be automatically notified via email, in order to act quickly without losing time.

This is why TECH MOSQUITOES AER-SAN® is one of the best solutions for mosquito control in the world.

FIELDS OF APPLICATION



TARGET

Mosquitoes, flies and other flying insects

EQUIPMENT

Q.ty: 1 pc

Cannon Aer-San®

SINGLE-PHASE ELECTRIC EQUIPMENT FOR DISINFECTANT AND INSECTICIDES' NEBULIZATION

A new nebulization electric system for ULV treatments on wide areas, this new version of CANNON AER-SAN® gives excellent performances.

METHOD OF USE

- Keep the equipment at low voltage (220V).
- Fill the tank
- Operate the pump
- Send the liquid under pressure through the pressure switch (we advise 30 bar).
- With the second switch operate the vent.
- Turn on the liquid's tap.
- To turn off the machine, follow the procedure backwards.



SIZE

110 cm x 59 cm x 170 cm

FEATURES

- Weight: 112 Kg
- Stainless micro nozzles for the liquid nebulization
- High spray performances even with low content of insecticide.
- New electric potentiometer granting extra power (from 3.000 to 6.000 rpm)
- Can be used with ready-to-use or emulsifiable products.

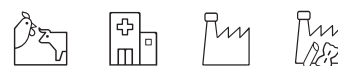


Stainless nozzles for an adjustable flow



Directable nebulization system

FIELDS OF APPLICATION



EQUIPMENT

Q.ty: 1 pc



**WATCH THE
VIDEO ON
YOUTUBE**

Vector-Avi® Evo

Thanks to its modularity and flexibility it adapts to any poultry structures, allowing cleansings, red mite treatments and disinfections. It can be easily managed by a single operator and it proves to be essential to reach any point of the structure, even the higher cages thanks to the folding telescopic bars equipped with nozzles. Moreover, a powerful stirring system allows to apply also diatomaceous earths diluted in water.

METHOD OF USE

It is equipped with 2 vertical bars (adjustable in height and width), which can power 21 nozzles. It allows to reach 5-6 levels of cages.

- Fill up with unleaded petrol.
- Insert the product in the 200lt tank.
- Turn on the engine (manual in-rope start)
- Regulate the pressure as desired (we advise 20 bar)
- Open the tank bottom valve
- After some minutes open the left and right bars.
- To turn off the machine, follow these procedure backwards.

SIZE

250 x 55 x 265 cm

FEATURES

- Capacity: 200 lt
- Minimum corridor required: 0.60 m
- Version with extendable bars is available
- Height while closed: 1.40 m
- Height while open: 2.10 m
- Optional: manual hose reel, equipped with a 50m tube d. 10 x 19.75 bar and manual sprayer.



- ✓ Manageable by a single operator
- ✓ Adaptable, it suits every circumstance
- ✓ Maximum performances for excellent results.

FIELDS OF APPLICATION



EQUIPMENT

Q.ty: 1 pc



WATCH THE
VIDEO ON
YOUTUBE

Bitecare® endoinfusion



Bitecare® endoinfusion

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Sapjet®	p. 109
Enerbite®	p. 110
Propolis	p. 110



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. It also allows 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.

A special **lenticular needle** separates the fibres while the nourishing or therapeutic solution is injected in the xylematic vessels using the atmospheric pressure and **to avoid stress or traumas**. This gravity method does not leave any permanent sign on the plant thanks to the fact that no tissue is removed. When the needle is taken off, no specific treatment is necessary as 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** recently acquired by **Newpharm®**. This patented solution has received numerous awards and the prestigious United Nations/UNIDO Award in 2016.



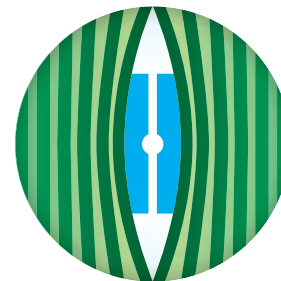
Delicate tissue spacing without damaging the plant

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

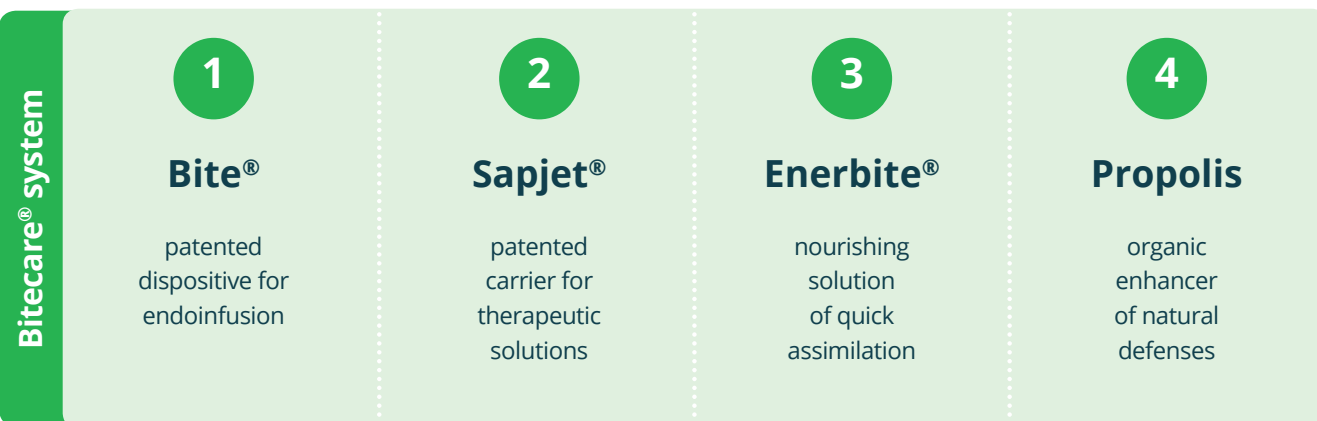
The special lenticular section needle allows the spread of the fibres by exerting a minimal friction.



Lenticular section
needle



Bundle of fibres spread
without damages



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 the removal of the 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.

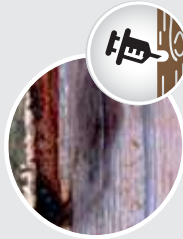
- No tissue tearing.
- Total prevention from infections.
- No tissue heating and therefore no permanent injury.



STEP 2: introducing the liquid

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

- Pressure injections often cause embolisms because of vessels cavitation.
- By applying the 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 characteristics of the product 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 portion of the stem.



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

- Complete cicatrization 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 processionnea
- **Amenrican antria** *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 Erinosi *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.
- A gasket (A1) that allows the needle holder to adhere perfectly to the stem and prevent 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

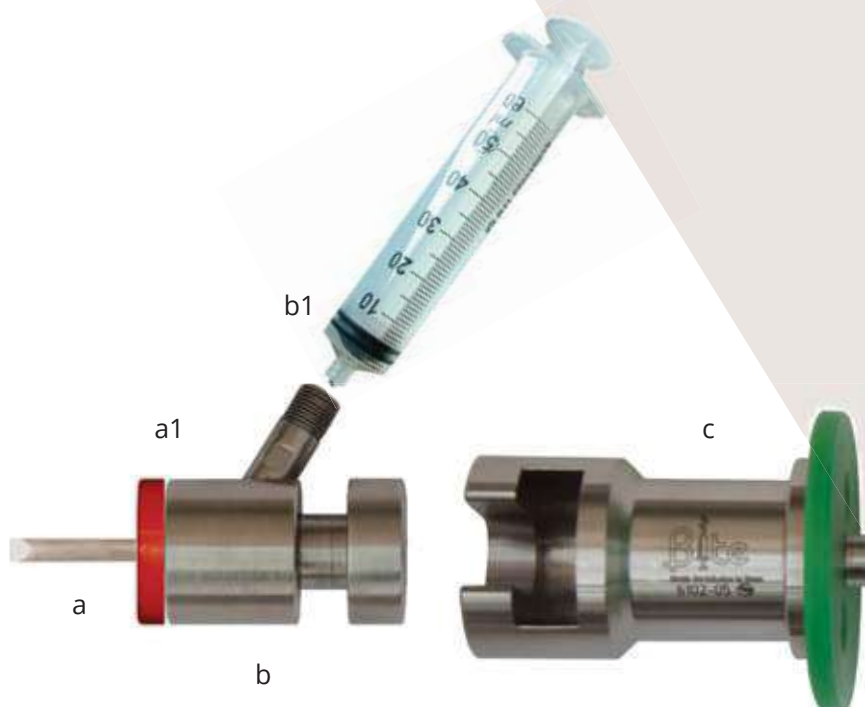
We propose three different kits to satisfy all your needs

TYPE OF KIT	c. THREADED ROD AND STRIKER		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 pc	3 pc	3 pc	3 pc	3 pc	3 pc
2. KIT M	1 pc	5 pc	5 pc	5 pc	5 pc	5 pc	5 pc
3. KIT L	1 pc	10 pc	10 pc	10 pc	10 pc	10 pc	10 pc

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

Legend

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





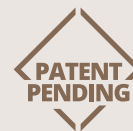
2 Sapjet® LIQUID CARRIER

The sap of plants is an water solution which carries minerals within the plant. Common water, although compatible with the practice of endotherapy, does not possess the same characteristics and peculiarities of the sap.

The perfect balance with the plant's physiology is achieved with SAPJET®, the special carrier for the preparation of therapeutic and nourishing solutions.

DOSE AND APPLICATION METHOD

SAPJET® is a carrier which is fully compatible with the sap. It facilitates the absorption of external fluids, greatly increasing the infusion rate. SAPJET® is a ready-to-use carrier for endoinfusion procedures.



COMPOSITION

100% substances of natural origin



BOTTLE

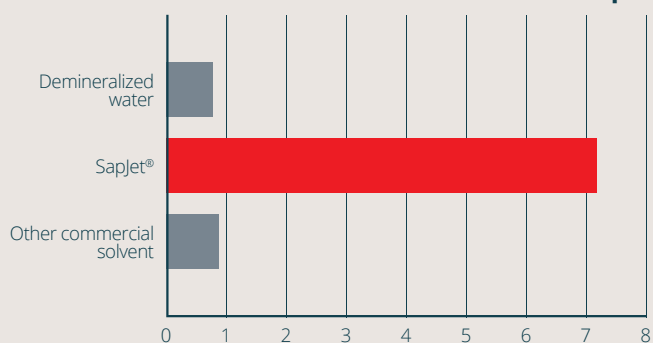
Q.ty: 14 pc x 500 ml



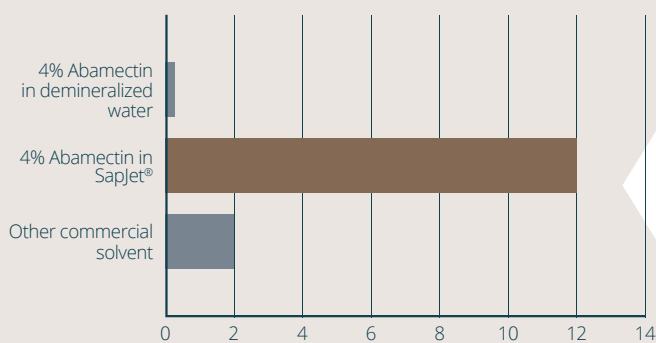
TANK

Q.ty: 4 pc x 5 L

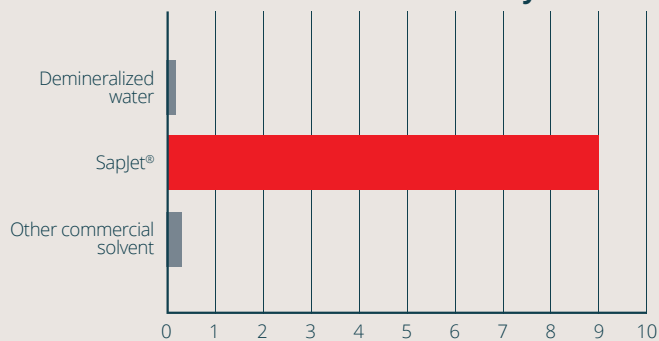
Maple



Cedus atlantica

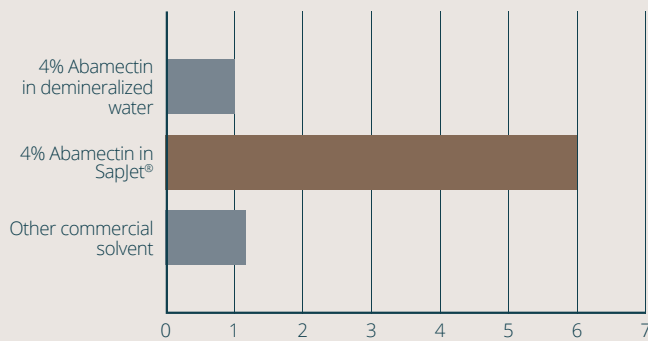


Himalayan cedar

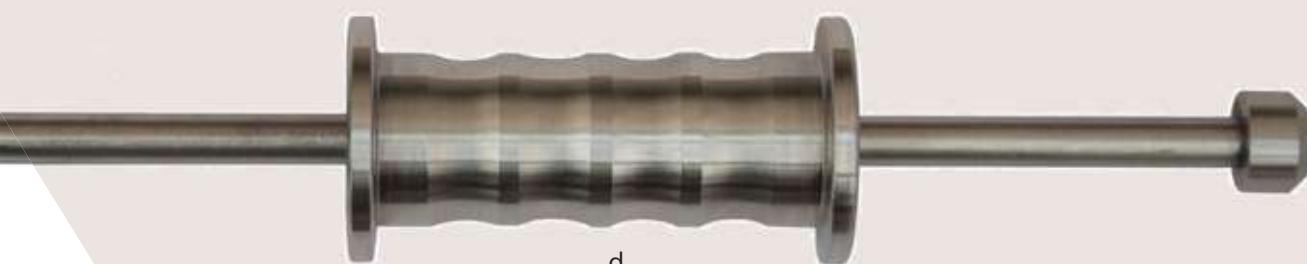


Comparison made between ml of solution absorbed spontaneously in the time span of 10 minutes

Lebanon cedar



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



d



3 Enerbite®

LIQUID FERTILIZER

ENERBITE® is a liquid fertilizer which stimulates the formation of complex organic compounds useful for the general defense of the plant from pathogens such as *the ink disease in chestnuts*. This disease is caused by the *Oomiceti Phytophthora cambivora* and *Phytophthora cinnamomi*. If not treated properly, the infected plants can totally deteriorate.

The potassium phosphites help the plant to grow healthier and stronger and fight against the *Phytophthora*.

DOSE AND APPLICATION METHOD

ENERBITE® is a ready-to-use product.



COMPOSITION

Phosphorus pentoxide (P₂O₅), water soluble 11%
Potassium oxide (K₂O), water soluble 7.3%

With the content of each ready-to-use package (250 g) it is possible to treat 4 trees (63 cm crf, 20 cm diam.)



BOTTLE

Q.ty: 15 pc x 250 g

Q.ty: 12 pc x 1 Kg



4 Propolis

LIQUID SOLUTION

It is an extract of propolis in water solution containing multiple beneficial substances processed by bees. The propolis extract also favours the cicatrisation of the hole, ensuring a long-lasting protection from fungi and bacteria. It is ideal for the treatment of post-therapy lesions.

DOSE AND APPLICATION METHOD

It disinfects the area where the needle had been inserted.

After endoinfusion treatments, Propolis must be re-applied to prevent the spread and infiltration of microorganisms.

Concentrated: dilute 10 ml of product in 1 l of water, shake and apply where needles had been inserted.

Ready-to-use: apply Propolis where needles had been inserted.



COMPOSITION

Extract of propolis in water solution

High content of Flavonoids (Galangin) 50 ml/l

Weight/volume ratio: 5%



BOTTLE

Q.ty: 12 pc x 150 ml

Q.ty: 6 pc x 800 ml



TRIGGER

Q.ty: 12 pc x 500 ml

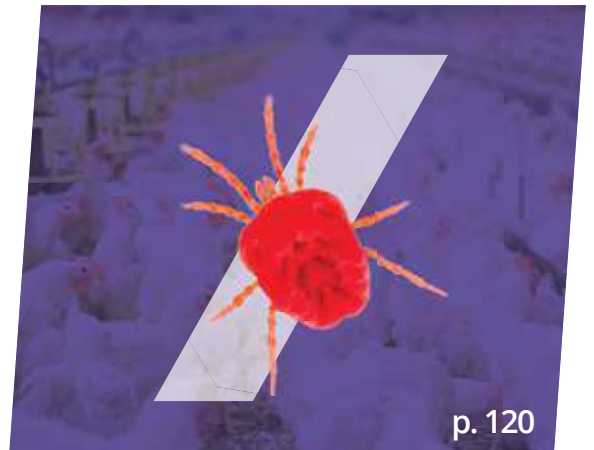


IPM project strategies



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PROJECT No-more-flies



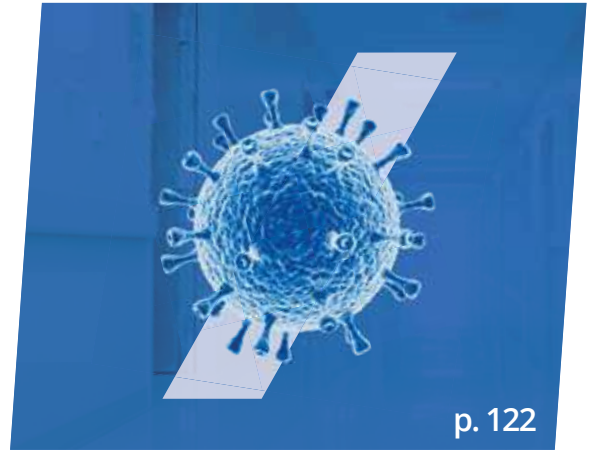
p. 120

PROJECT Red mites & darkling beetle



p. 116

PROJECT No-more-mosquitoes



p. 122

PROJECT Hygiene



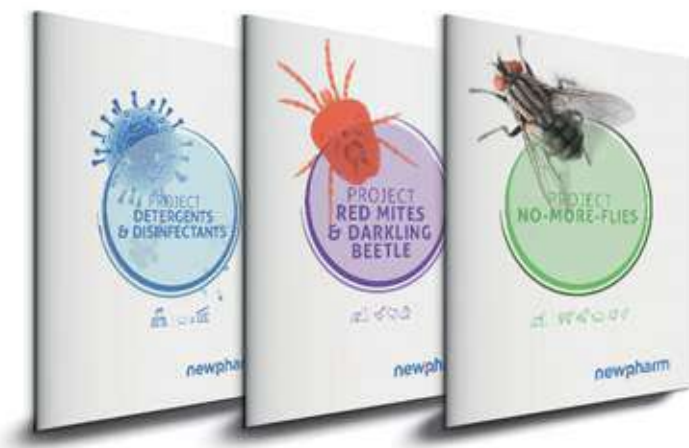
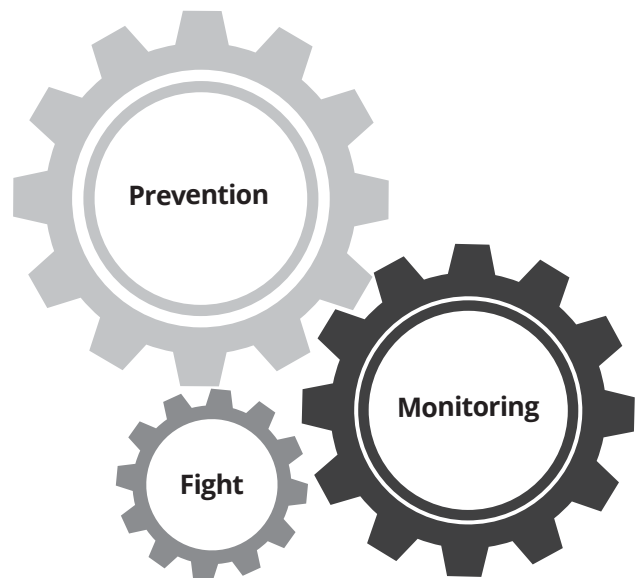
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PROJECT Cockroaches

Targeted programs for pest control operators

What has distinguished Newpharm®'s path in Pest Management field has been a vision focused on the **development of specific programs, known as projects for pest control operators for the efficient control of insects.**

Newpharm® has never pursued a single-product strategy in its fight against pests. Instead, it has relied on a transversal solution which can combine, with the right proportion, the three dogma of pest control: **prevention, monitoring and defence.**



Our projects

One of the projects best known by professionals involves the solutions for fly removal in livestock holdings.

No-more-flies obtained such a consent that it has become **a true leader** both in the reduction of the Brachycera Diptera's proliferation during summer and in increasing farming's biosecurity.

While maintaining the same logic, **Newpharm® planned to expand the modern and alternative concept of integrated management also to other pests**, like mosquitoes, roaches, bedbugs, mites, and pests of foodstuffs.

Proiect No-more-flies

Targeted solution for flies control

The proliferation of flies is not just a matter of mere annoyance.

With their action, they increase the stress level of animals, while threatening the biosecurity of the breeding and negatively affecting the farm's productivity.

Given these risks, it is necessary to face this problem year after year through prevention measures and direct and integrated fight systems.



www.nomorefly.it



Newpharm®'s "no-more-flies" was born from the necessity of realizing **an ultimate and effective solution to the Diptera's proliferation, while adopting innovative solutions for both the livestock and the civil and domestic sectors**

Life cycle

At the ideal temperature of 30°C, an intense reproductive activity takes place. In this particularly favourable situation, their life cycle is completed in 8-10 days.

During reproduction, flies are attracted to heaps of decomposing organic matter (garbage deposits and dunghills), which are perfect food sources for their offspring.

However, they avoid laying eggs on unfavourable ground, namely insufficiently warm and wet grounds. The complex mixture of gasses and odours, which are emitted during decomposition, seems to exert a powerful attraction on fertile females. Other elements females are attracted to are water vapor and high temperatures.





Larvicidal fight

It represents the heart of fly control project. It is carried out by applying the larvicide directly on the fermenting organic ground, in order to stop the development of the multitude of flies and Horse-flies' juvenile forms.



Larvmeth® IGR

Ready to use granular larvicide
p. 26

Adulticidal fight

It allows to complete the previous step by killing adult flies which could have survived and the other species coming from the surroundings. The presence of food-based or pheromonic attractants in formulation conveys adults towards the treated areas.



Newthrin

Concentrated insecticide
in water microemulsion
p. 30

Complementary fight

Ecological attractive baits and a range of broad-spectrum insecticides characterized by different persistence of action to satisfy every operational requirement. The dissuading effect appears transversal on different types of insects: not only flies.



Fly Bag

Ecologic disposable trap
for fly control
p. 51

Flyrex® Granules

Granules natural
attractant bait to be used
with Flirex® Trap
p. 41

Project No-more mosquitoes

Integrated strategies for their efficient control

All hematophagous Diptera need vertebrate animals' blood to reach sexual maturity and perpetuate the species. Mosquitoes, or Culicidae, have succeeded to perfectly adapt to a man-made environment and to specific geographical areas, as shown by several studies. Beyond the annoyance caused by their buzzing, the health impact created by different species of mosquitoes is far more significant.

Health risk

The transmission of diseases caused by Culicidae is a well-known and serious risk: **yellow fever, malaria, viral and Japanese encephalitis**, just to mention the most famous. Males and females show a significant sexual dysmorphism: in fact, females' most striking characteristic is a distinctive buccal apparatus for stinging and sucking.

Generally, **their trophic activity** takes place during night hours, although it is possible to have a more specific time indication regarding the activity of some species.

It is worth to mention the case of the **tiger mosquito, the only species which flies during day hours, with peaks of activity at midday**.

To support the work of the Pest Control Operator in locating these outbreaks, **modern monitoring devices are needed**, among which one of the most appealing are ovitraps.



www.newpharm.it

Environmental remediation

Since these insects are a remarkable example of adaptability to urban environment, any fight against them can only be considered unequal. Thus, projects of reducing the number of such insects cannot be based on a mere and single draining of water, but they have to be extended to a Remediation District level in order to obtain concrete and tangible results.

Nowadays, targeted interventions permit to obtain greater advantages if compared to the generic ones made in the past. Moreover, these new types of intervention allow to exploit all the available instruments and methods to grant an efficient control of the Culicidae, without ignoring the impact on our environment.

Development environments

Since the environments where these insects develop are characterised by the presence of water and high humidity, it won't be difficult to prevent their spread. Moreover, defence tools should be used against larvae's nests clinging under the surface of water to breathe air's oxygen. The presence of water stagnation is not strictly necessary to the survival of the larval stage: in fact, larvae have been found among very wet vegetation or inside tree cavities, too.





Adulticidal Fight

These formulations allow the maximum versatility in all the operating environments for definitive results in Culicidae's control, with an eye on environmental impact.



Newcidal® Nature
A mixture of liquid hydrolates
p. 39

Nuvex® NO PBO
Emulsifiable concentrated insecticide
p. 29



New-Wall
Concentrated insecticide and acaricide in water microemulsion
p. 27

Newthrin
Concentrated insecticide in water microemulsion
p. 30



Newrebi
Emulsifiable concentrated insecticide
p. 31

Newset 10
Concentrated insecticide and acaricide in water microemulsion
p. 27

Project Cockroaches

Prevention and preservation against infestations

The sighting of cockroaches in the daytime means a **serious infestation** is taking place, because only the presence of a high number of specimens reduce their instinct of avoiding the light.

An effective prevention against the spread of these insects is based on a **meticulous inspection of all the spaces**, especially in boiler rooms or where hot water pipes are present. Indeed, high temperatures are highly enjoyed by these unhealthy insects, especially for the case of *Blattella germanica*. On the contrary, *Blattella orientalis* colonises water wells and sewerages, where temperatures are lower.

Thus, **during inspections**, it can be useful to check the closure's edges of the water wells. The status of channel grids and air vents has to be checked frequently: in fact, black beetles love running water.



www.newpharm.it

Prevention prophylaxis

It is worth reminding how much the care, **hygiene and the systematic application of hygienic prophylaxis' rules** in premises are essential to maintain an active control of the pests. As far as monitoring is concerned, the catch of specimens in dedicated adhesive traps allows to gain information regarding the species and the size of the infestation,

Blattella germanica and *Supella longipalpa* are commonly found in food industry, while *Blatta orientalis* and *Periplaneta Americana* in discharges and sewerages. The upper floors of the buildings should not be neglected, especially if rooftops host pigeons and other birds, since black beetles proliferate in bird feces.



Modern fight

Modern fight is possible thanks to the use of flushing out formulations which have some advantages: these sordid insects are forced to move, so the efficiency of the treatment is enhanced.

As a best practice, interventions should be repeated after three weeks to kill young nymphs exited by their oothecae.



Prevention

The simultaneous presence of various size of adults and nymphs indicates the existence of a cockroaches' stable colony.

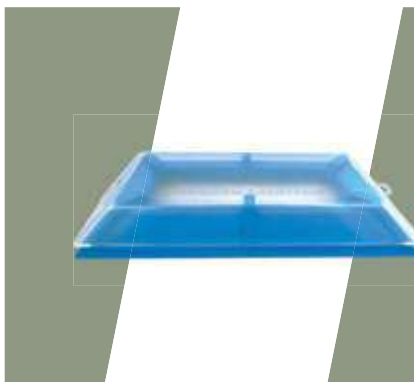
Drastically reduce the availability of water, food and hiding places to discourage their settlement. Carefully manage waste, especially organic waste. Check ambient humidity.



Bra-Newphen® 100M
Concentrated liquid
disinfectant
p. 78

Monitoring

Keep the monitoring system efficient by replacing attractants and adhesive traps in due time. Check carefully all the production and food transformation premises, with particular care of the backside of cold rooms, ovens and lockers.



All Beetle Trap
Trap for crawling insects
p. 181

Fight

Concentrated insecticides with multiple active ingredients are able to combine the knock down activities with residual action for a complete result.



New-Wall
Concentrated insecticide
and acaricide in water
microemulsion
p. 27

Nuvex® NO PBO
Emulsifiable concentrated
insecticide
p. 29

Project Red mite & darkling beetle

Acaricide and insecticide solutions

Newpharm®'s "Red Mite" project is the result of a clear and precise company mission, which has been outlined during a nearly 40 years experience in the field of animal welfare.

There is no doubt about the existence of a **direct correlation between animal welfare and a company's productivity**. The presence of pests negatively influences this correlation by provoking a widespread stress condition on animals, thus undermining the company's production potential.



www.redmiteproject.com



Dermanyssus gallinae

Throughout the world, red mite (*Dermanyssus Gallinae*) is the main ectoparasite of poultry. Through its **hematophagous activity**, it feeds on the blood of the unfortunate animals, thus menacing the animals' security and their performance. During massive infestations, there can be **cases of anemia, a raise of energy consumption, reduction on the egg production and, in extreme cases, the death of the animal**.

Despite attacking mainly the animals raised in cages, red mite is a serious risk in free range farming. In these systems, among the signs indicating the presence of such mites, one is the increase of aggressive behaviour in animals, with evident cases of pecking.

By remaining in contact with poultry farming, Newpharm® has had the possibility to acquire knowledge on red mite's biology and behaviour, to plan defensive strategies aimed at controlling the parasite.

Newpharm® developed protocols for granting premises' hygiene and for a direct acaricide action, for both the traditional and the biologic systems.

Cleaning

A deep cleaning contributes to remove organic dirt, which is the home of the red mite. Using specific products represents the key of success.



Baggy®

Concentrated liquid detergent
p. 72

Vegenet Avi®

Concentrated liquid detergent
p. 72

Disinfecting

An adequately hygienized environment improves animal welfare and indirectly combats mite's development.



Polisan® N

Foam-controlled concentrated liquid detergent
p. 75

Newster® Vet

Concentrated powder detergent
p. 77

Fight

Formulates' residuality is important to allow hens to get into cages undisturbed and physiologically efficient. Newpharm® offers the only registered product which can be applied in presence of animals.



Recidal® Sil

Natural powder with biophysical and dehydrating properties
p. 37

Nuvex® EC

Emulsifiable concentrated insecticide
p. 29



Nuvacid® 50 p. 32

Nuvacid® 7 p. 34

Nuvex® EC p. 29

DARKLING BEETLE PROJECT

In poultry industry, the most frequent insects are flies and darkling beetles. Considered the main pest in breeding stocks, the *Alphitobius diaperinus* causes enormous structural damages and direct injuries to animals, especially in free-range ones.

Darkling beetles larvae are equipped with a masticatory buccal apparatus that tears the insulating material to shreds; they invade fodder and beddings. To deal with this beetle, Newpharm® offers an efficient monitoring system, which also focuses on the mostly infested areas of the premises. One of the most crucial phases of the intervention is the removal of beddings. Some hours before the start of the operations, an application of Newpharm®'s formulates on walls can be decisive. It will be sufficient to apply them on the first meter above the ground: after the bedding is removed, insects will start to climb the treated surfaces.



Project Hygiene

The efficient disinfection of every environment

Hygienic and environmental disinfection issues are becoming more and more important both in zootechnical and in civil sector.

Depending on the operating environment, the control and remediation of microorganisms assume strategic importance, as they affect more or less significantly the state of health of animals and individuals. Industrial farming place the relatively-modern concept of Biosecurity among their business priorities, as they are well aware of the tragic consequences an infectious illness could lead to. Furthermore, in civil field the possibility of choosing how to cleanse and disinfect environments represents a great advantage for the operator.

Inside Newpharm®'s Hygiene Project there can be found products with different types of active substances which can be employed singularly or combined to reach the desired level of control.

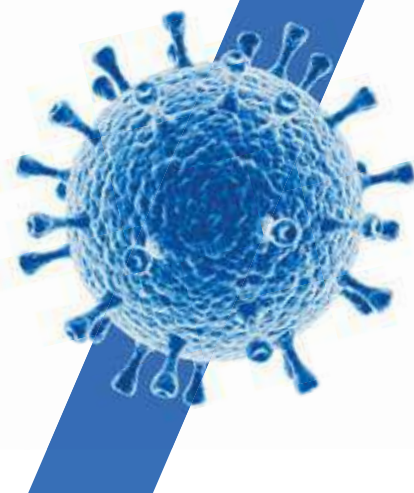
There are at least three procedures that can be described to monitor the number and the species of microorganisms:

Cleansing

Cleansing is performed mainly by surfactant contained in detergents. They interpose themselves between the surfaces and the dirt, causing its elimination. In case of stubborn dirt, pre-wash with water.

Hygiene

Many detergents contain compounds capable of attacking, and eventually destroying, germs and bacteria; since their first utilizations, they allow a good containment of many microorganisms.



www.newpharm.it

Disinfection

It refers to the controlled destruction of the majority of the pathogens, but not necessarily of bacterial spores, tubercle bacilli and other viruses.

Disinfection requires a vigorous action aimed at the sharp reduction of microorganisms, especially pathogens in the surrounding environment.



This catalogue contains a variety of high-quality detergents, which meet all the requirements of food industry, and highly technological hygienists for a complete answer against microorganisms that represent a threat for public health. Specific for food industry, there are products designed for removing organic dirt and disinfecting principals with the ability of attacking the agents which cause illnesses and infections.

Detergents

Mechanical removal of dirt on surfaces:

- At the end of every production cycle in the zootechnical field.
- Whenever the premise is empty, both in the zootechnical and in the agro-industrial field.
- Maintenance of plants and equipment
- In every case in which a high level of dirt is found.



Base Cleaner®
Concentrated liquid
degreasing detergent
p. 87

Hygienists

Removal of unwanted microorganisms from surfaces:

- At the end of the production cycle.
- Each time food or animal are unloaded from a means of transport.
- Every time siloes, tanks, food, fodder or raw material warehouses are emptied.
- At the end of the cleansing process to avoid a lower efficiency of disinfection.



Polisan® N
Foam - controlled
concentrated liquid
detergent
p. 75

Disinfectants

Elimination of microorganisms, bacteria, fungi and viruses in order to control the risk of infection and contamination.

- After the cleansing process, to eliminate microbial load.
- In hermetic rooms, in the absence of people, animals and food.



Newster® Vet
Concentrated powder
detergent
p. 77





Cereals storage



Cereals storage PROJECT

PAG. 128



Organic treatments

PAG. 132



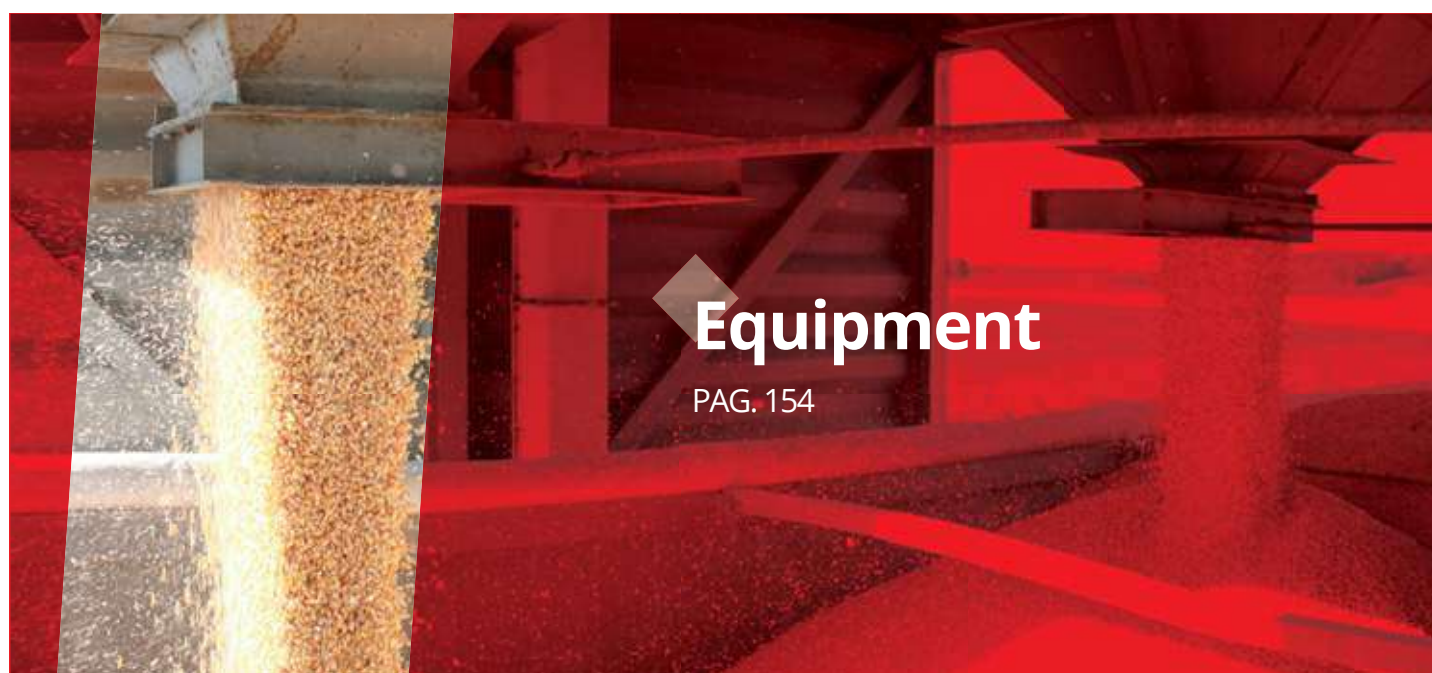
Conventional treatments

PAG. 140



EU MRL regulations

PAG. 150



Equipment

PAG. 154



Monitoring

PAG. 176

Foodstuff arthropods

Lets focus on the problem



Sitophilus granarius L.
Grain Weevil



Sitophilus oryzae L.
Rice Weevil



Ryzopertha dominica L.
Lesser Grain Borer



Tribolium confusum DV.
Flour Beetle



Oryzaephilus surinamensis L.
Sawtoothed Grain Beetle



Cryptolestes ferrugineus S.
Rusty Grain Beetle



Ephestia kuehniella Z.
Mediterranean Flour Moth



Stegobium paniceum L.
Drugstore Beetle



Plodia interpunctella H.
European grain moth



Cereal pests are considered one of the most feared and widespread problem in the cereal storage industry as these pests are responsible for major qualitative and quantitative stored cereal losses. Heavy infestations cause an increase of temperature and humidity in the cereal mass,

increasing the risk of fungi contamination (with mycotoxin production).

It is fundamental to recognize the insect and have a good knowledge of their biology in order to have an optimal cereals' preservation.

Cereals Storage PROJECT

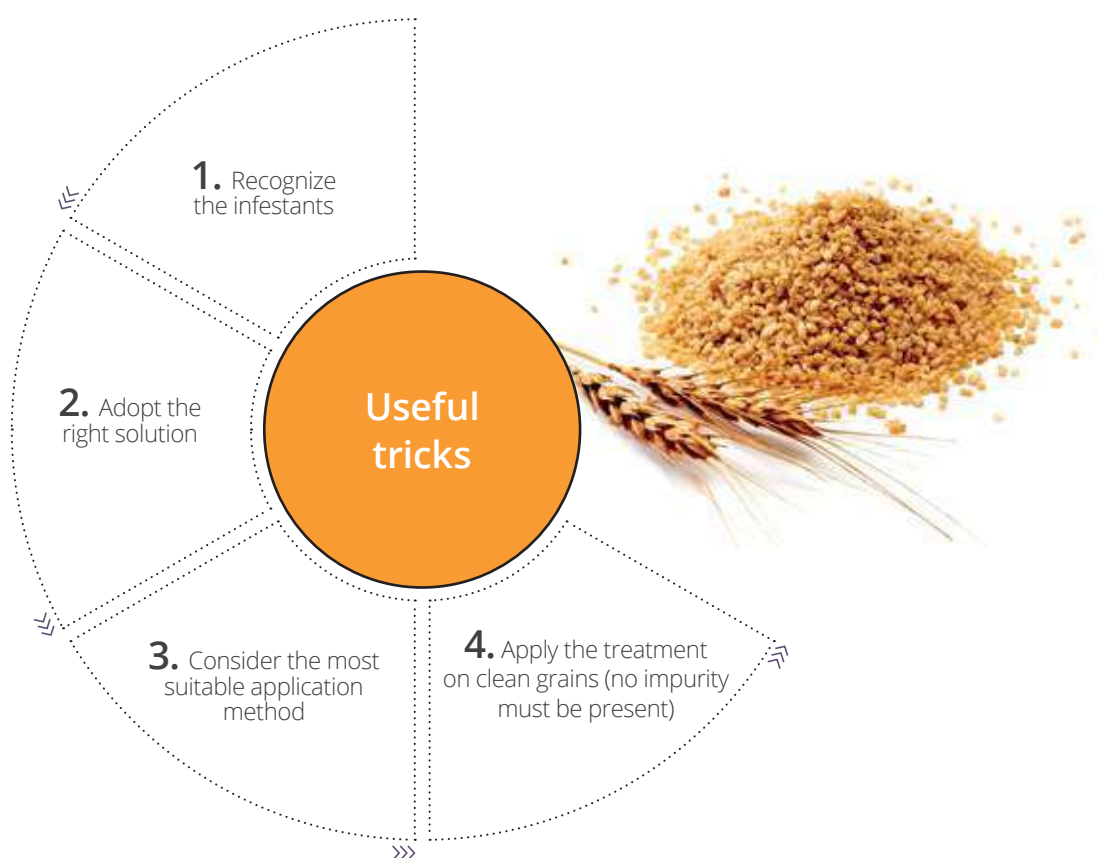
The Cereals Storage Project stems from a clear corporate philosophy gained through nearly forty years of experience. The aim is to offer targeted solutions for pest control operators. Nowadays, the Cereal Storage Project is the main reference for the whole cereal chain, as it offers:

- The most complete and cutting-edge range of products (environmental treatment and disinfection of environments and cereal pest control);
- The easiest, safest and most innovative application methods;
- Consolidated technical assistance in all the key aspects (entomology, chemistry, applications, normative regulations, etc.);
- The maximum guarantee for the customer;

Newpharm® is the main reference of the principal category associations. In the future, Newpharm® aims to offer more specific and targeted solutions, respecting the operators of the sector and the environment.

Newpharm® Suggestions

Pest colonization in warehouses is promoted by favourable climatic and environmental conditions: high relative humidity, high temperatures, presence of shelters in cracks and crevices and of course food availability. There are different solutions for the storage companies depending on their needs. All of them guarantee excellent and long-lasting cereal preservation.



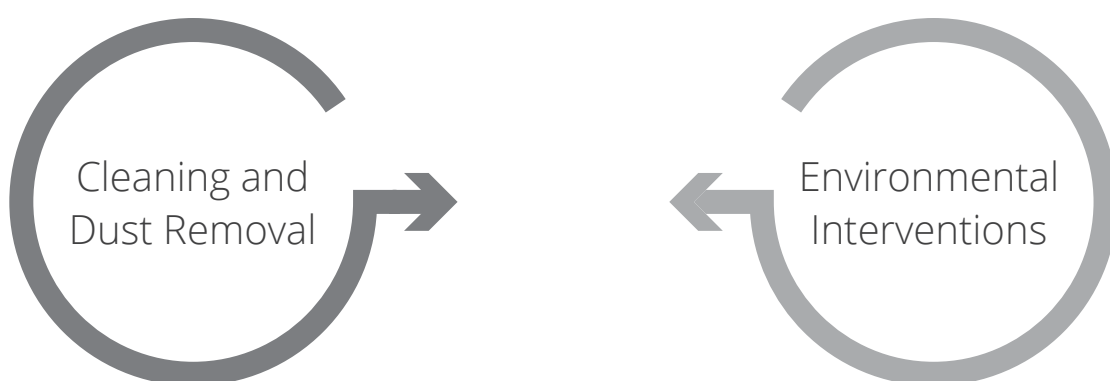
It is possible to choose the right solution with the Newpharm® products:

- Ready-to-use formulations which can be mixed together
- Organic formulations with strong knockdown effects
- Inert powder products for pest control
- Physical barriers to prevent colonization

Management of environment during pre-storage operations:

A fundamental condition

It is strategically successful to focus the pest control strategy on prevention. Cereal storage is radically changing these nowadays and in fact, **integrated** and **eco-compatible** solutions are widely employed in order to control infestations. These innovative solutions involve the combined and rational use of the available products and equipment, both chemical and physical, to have a healthy foodstuff and a supply chain with greater added value.



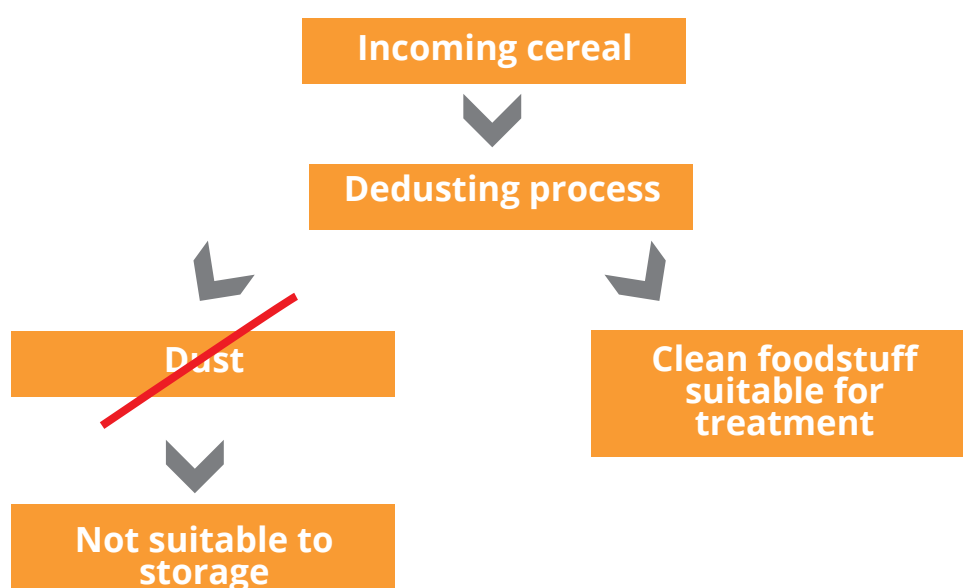
Interventions on storage environments before introducing cereals (vertical silos or horizontal warehouses) consist in **removing the remnants of previous goods and the accumulated dust**. These operations represent a crucial step for a successful pest control strategy on foodstuff.

After having carefully cleaned the rooms, a **deep cleansing** of the surfaces, especially in silos, removes the nesting points of hidden insects, forcing them to come out from their shelters. The application of **liquid formulations with knockdown effects or residual inert powders** on the walls eliminates both adult insects and larvae (including eggs). Finally, hot or cold sprayings or nebulizations in the interested areas, with knockdown active substances, such as natural pyrethrins, complete the work by eliminating flying insects and the last survivors on surfaces. Do not underestimate the disinfection operations because they are important in order to eliminate harmful microorganisms, in particular toxigenic fungi.



The management of foodstuff during storage

After having prepared the environments, the attention shifts to the new foodstuff which needs to be stored. In order to achieve the maximum results (effectiveness and persistence) from direct treatments on cereals, it is essential to conduct an energetic dedusting of the cereals through cutting-edge systems. In fact, dust attracts insects and mites and neutralize the active substances used during treatments, reducing their performance (even up to 30%).



Good Hygiene Practice

Removal of dust and other coarse materials

Cleansing:

Vegemat®

Disinfection:

Viroster® Food

Treatments on surfaces:

✓ Liquids with knockdown effect:
Nuvex® EC / Nuvacid® 50

✓ Residual inert powders:
Recidal®

Treatment on environments:

Nuvex® Ec | Pygrain®

Organic treatments





Nuvex® EC	p. 134
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Recidal®	p. 134
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Nuvex® NO PBO	p. 135
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Pygrain®	p. 135
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Phytorob® Bio	p. 136
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Direct Treatment on Organic Cereals	p. 139
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**TARGET**

Flying insects: moths, European grain moth, Angoumois grain moth.

Crawling insects: mealworm beetle, red flour beetle, cadelle beetle, skin beetles, larger beetle, biscuit beetle, common house borer, rusty grain beetle.

Nuvex® EC

EMULSIFIABLE CONCENTRATED INSECTICIDE

Made of organic natural pyrethrum, this insecticide has a strong knockdown effect against flying and crawling insects. NUVEX® EC has a strong repulsive effects and forces insects to come out of their nests and shelters.

DOSE AND APPLICATION METHODS

Low-pressure pumps: NUVEX® EC has to be diluted in water in ratio 1% (1 l of NUVEX® EC in 100 l of water are sufficient to treat a surface of 100-150 m²).

ULV sprayers: dilute 1 part of NUVEX® EC in 4 parts of BIOSOL® NEW solvent for cold applications (▲).

Thermo-fogging equipment: dilute 1 part of NUVEX® EC in 8 parts of PHYTOROB® BIO

**COMPOSITION**

Pure pyrethrins:
2.55 g (=25 g/l)

Pure Piperonyl Butoxide:
16.32 g (=160 g/l)

EQUIPMENT

▲ Mist Cereal-San®
Cannon Cereal-San®

**BOTTLE**

Q.ty: 10 pc x 1 l

**TARGET**

Weevil (*Sitophilus spp.*), red flour beetle (*Tribolium spp.*), sawtoothed grain beetle (*Oryzaephilus spp.*), lesser grain borer (*Rhyzopertha dominica*), biscuit beetle (*Trogoderma spp.*) and other cereals beetles; Larvae of Lepidoptera and mites.

Recidal®

DRY POWDER

RECIDAL® is an insecticide-acaricide made of diatomaceous earth. It is suitable for the preservation of stored cereals and storage environments. The diatomaceous earth has a strong dehydrating impact on all insects that come into contact with the product because it settles in the intersegmental areas under the cuticle compromising insects' exoskeleton.

DOSE AND APPLICATION METHODS

Treatments on environments: apply 10-20 g/m² of RECIDAL®. Before applying, remove any dust or debris. Pay particular attention to corners and cracks on walls because they are excellent shelters for insects. (●).

COMPOSITION

Diatomaceous earth
(Kieselgur): 100%

EQUIPMENT

● Dust Cereal-San®

ALLOWED TREATMENTS ON

All types of cereals

**BAG**

Q.ty: 1 pc x 15 kg



Nuvex® NO PBO

CONCENTRATED INSECTICIDE

Made of organic natural pyrethrum, this insecticide has a strong knockdown effect against all kinds of insects. Its formulation does not include any chemical agents, this is why it is suitable for the food industry.

COMPOSITION

Extract of organic pyrethrum: 50% 5.0%

Corresponding to pure pyrethrins: 2.5 g (=22 g/l)

DOSE AND APPLICATION METHODS

Low-pressure pumps: NUVEX® NO PBO has to be diluted in water in ratio 0.8% (80 ml in 10 l of water are sufficient to treat a surface of 100-150 m²).

ULV sprayers: dilute 1 part of NUVEX® NO PBO in 4 parts of BIOSOL® NEW solvent for cold applications (▲).

Thermo-fogging equipment: dilute 2 part of NUVEX® NO PBO in 3 parts of PHYTOROB® solvent.

EQUIPMENT

▲ **Mist Cereal-San®**
Cannon Cereal-San®



TARGET

Flying insects: moths, European grain moth, Angoumois grain moth.

Crawling insects: mealworm beetle, red flour beetle, cadelle beetle, skin beetles, larder beetle, biscuit beetle, common house borer, rusty grain beetle.



BOTTLE

Q.ty: 6 pz x 1 l



Pygrain®

CONCENTRATED LIQUID INSECTICIDE

PYGRAIN® is allowed in organic agriculture according to the EC regulation 834/2007 and subsequent modifications. It is an organic insecticide made of high-quality natural pyrethrum for direct treatments on cereals and seeds in general. Odourless, it does not alter the kernels or the germinative properties of the seeds. It is suitable for organic environmental decontaminations.

COMPOSITION

Pure pyrethrins: 2% (18,61 g/l)

DOSE AND APPLICATION METHODS

Treatments on environments: dilute PYGRAIN® with water at 10%. Use the appropriate equipment

ULV sprayers: dilute 1 l of PYGRAIN® and 4 l of BIOSOL® NEW for cold applications (▲).

EQUIPMENT

▲ **Mist Cereal-San®**



TARGET

Weevil (*Sitophilus spp.*), red flour beetle (*Tribolium spp.*), sawtoothed grain beetle (*Oryzaephilus spp.*), lesser grain borer (*Rhyzopertha dominica*), biscuit beetle (*Trogoderma spp.*) and other cereals beetles; Angoumois grain moth (*Sitotroga cerealella*), Mediterranean flour moth (*Ephestia kuehniella*), Indianmeal moth (*Plodia interpunctella*) and other cereal pests.



BOTTLE

Q.ty: 10 pz x 500 ml



TANK

Q.ty: 4 pz x 5 l



WATCH THE VIDEO ON YOUTUBE



Phytorob® BIO

REFINED ORGANIC OIL

Organic oil obtained from the seeds of Brassica Campestris. Thanks to its plant origin and its natural extraction, PHYTOROB® BIO is a solvent which can be used in organic agriculture. The properties of this oil absorb dust during direct treatments on cereals and maximize properties of pyrethrins.

DOSE AND APPLICATION METHODS

If used as dedusting product, use 100-200 ml/ton of product as it is. (●)

Direct treatment on cereals: Mix 100 ml of PHYTOROB® BIO with 100 ml of Pygrain. 200 ml is sufficient to treat a ton of cereals.

COMPOSITION

Brassica Campestris seed oil

EQUIPMENT

- Cereal-San®
- Power Cereal-San®
- Air-liquid Cereal-San®
- Air Cereal-San®

ALLOWED TREATMENTS ON

All types of cereals



TANK

Q.ty: 1 pc x 25 l

Q.ty: 1 pc x 10 l










Pre-Storage Bio Environments

Environmental treatment of empty storage areas for organic foodstuff.







Offered Solutions

Liquid Concentrate

	 in water			
Pygrain®	8-10%	700-1000 m³/l	Knockdown effect	Mist Cereal San® Cannon Cereal San®





- Strong knockdown effect in bio environments
- Fast action against insects and mites
- No residual activity, greaseless
- Strong repulsive effects. It forces insects to come out of their nests thanks to pyrethrins

Use with Solvent

	Litres of each component of the mix			
Pygrain®	1-2 l	700-1000 m³/l	Knockdown effect	Mist Cereal San® Cannon Cereal San®
Phytorob® BIO	4 l			

- Excellent penetrating power especially if used with thermo-fogging equipment
- Great dispersion of the active substance in the whole treated area
- No residual activity thanks to chemical substances
- Strong knockdown effect thanks to the synergy of components

Dry Powders

			
Recidal®	10-20 g/m²	Residual	Dust Cereal San®

- Residual activity with no need of chemical insecticides
- No resistances against Recidal have been identified





Direct treatment on Organic Cereals

Formulations and mixtures for direct treatments on cereals

Offered solutions







Liquid Concentrate

	% in water			Safety interval (days)	
Pygrain®	10%	1 - 2,5 l/ton	Knockdown effect	2	Power Cereal San®





NB: Employ within 6-8 hours and keep the solution out of direct sunlight

Use with Solvent

	% mix			Safety interval (days)	
Pygrain®	50%	0.2 l/ton	Knockdown effect	2	Air-Liquid Cereal San® Air Cereal San®
Phytorob® BIO	50%				

- PHYTOROB® BIO increases pyrethrins' adhesion to seeds, maximizing the effect of the pyrethrum
- No synergizers or synthetic chemical additives
- Effective mix also at low temperatures

Dry Powders

			Safety interval (days)	
Recidal®	1 - 2 kg/ton	Residual	-	Dust Cereal San®

- Residual activity thanks to the diatomaceous earth
- Mechanical action on all infestants (mites included)
- No resistances against Recidal® have been identified

Conventional treatments





Nuvacid® 50	p. 142
Biosol® New	p. 142
Nuvacid® 7	p. 143
Actellic® 5	p. 143
K-Obiol® ULV 6	p. 144
Phytorob®	p. 144
Actellic® 2P	p. 145

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Focus Foodstuff	p. 147
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TARGET INSECTS

Flying insects: moths, European grain moth, Angoumois grain moth.

Crawling insects: mealworm beetle, red flour beetle, cadelle beetle, skin beetles, larder beetle, biscuit beetle, common house borer, rusty grain beetle.

Nuvacid® 50

EMULSIFIABLE CONCENTRATED LIQUID

NUVACID® 50 is a concentrated insecticide with strong knockdown effects suitable for the pest control of indoor and outdoor environments. It is a broad-spectrum product. Thanks to its low toxicity to humans and animals, NUVACID® 50 is very effective against vectors of pathogenic microorganisms.

COMPOSITION

Pure Tetramethrin:
2,85 g (24 g/l)

Pure Piperonyl Butoxide:
13,86 g (116.4 g/l)

DOSE AND APPLICATION METHODS

ULV sprayers / cold treatments (▲): The water used for the dilution can be substituted by Biosol New for cold treatments with ULV sprayers.

Against flying insects: 50-75 ml of NUVACID® 50 for an area of 300 m³

Against crawling insects: 75-100 ml of NUVACID® 50 for an area of 300 m³

Thermo-fogging equipment: mix NUVACID® 50 with PHYTOROB® solvent in ratio 1:5.

EQUIPMENT

▲ Mist Cereal-San®



BOTTLE

Q.ty.: 12 pc x 1 l



Biosol® New

CARRIER SOLVENT FOR CONCENTRATED FORMULATIONS

BIOSOL® NEW is a solvent designed to replace water to dilute concentrated insecticide formulations for indoors pest control treatments. For optimal results, use BIOSOL® NEW with ULV sprayers for cold treatments. (★ - ▲).

COMPOSITION

2-propanol

DOSE AND APPLICATION METHODS

Prepare a solution diluting 1 part of concentrated product with 4-20 parts of BIOSOL® NEW.

Exclusively for cold spraying treatments.

EQUIPMENT

★ Cannon Cereal-San®
▲ Mist Cereal-San®



TANK

Q.ty: 1 pc x 10 l



Nuvacid® 7

READY-TO-USE LIQUID

NUVACID® 7 is a ready-to-use insecticide with a strong knockdown effect. It is a broad spectrum product. It is suitable for indoor and outdoor environments

COMPOSITION

Tetramethrin pure:
1.06 g (= 9.1 g/l)

Piperonil Butoxide pure:
4.95 g (42.6 g/l)



TARGET INSECTS

Flying insects: moths, European grain moth, Angoumois grain moth.

Crawling insects: mealworm beetle, red flour beetle, cadelle beetle, skin beetles, larder beetle, biscuit beetle, common house borer, rusty grain beetle.

DOSE AND APPLICATION METHODS

NUVACID® 7 should be sprayed especially in corners, cracks and where insects walk or usually rest.

ULV sprayers: 110-120 ml of NUVACID® 7 can treat an area of 100 m³. Spray the product of the surface to be treated and leave to work for 2-4 hours. Keep premises closed at all times. Then ventilate premises thoroughly.

Thermo-fogging generators: 70-120 ml of NUVACID® 7 can treat an area of 100 m³.



TANK

Q.ty: 4 pc x 5 l



Actellic® 5

READY TO USE LIQUID

ACTELLIC® 5 is an organophosphate insecticide-acaricide for the protection of stored cereals and storage environments. It acts quickly against any kind of insects by contact and asphyxiation, protecting stored cereals for a long period of time. (★ - ▲).

COMPOSITION

Pirimiphos methyl pure: 5%

EQUIPMENT

- Cereal-San®
- Power Cereal-San®
- Air-Liquid Cereal-San®
- Air Cereal-San®
- ▲ Mist Cereal-San®

ALLOWED TREATMENTS ON

Wheat, barley, triticale, oat



TARGET PEST

Weevils (*Sitophilus spp.*), red flour beetle (*Tribolium spp.*), grain beetles (*Oryzaephilus spp.*), lesser grain borer (*Rhyzopertha dominica*), biscuit beetle (*Trogoderma spp.*) and other foodstuff beetles;

Angoumois grain moth (*Sitotroga cerealella*), Mediterranean flour moth (*Ephestia kuehniella*), indian meal moth (*Plodia interpunctella*) and other insects which frequent stores and deposits.

DOSE AND APPLICATION METHODS

Direct treatment on cereals: apply ACTELLIC® 5 in ratio 90 ml/ton. Apply with suitable equipment (●) to have a homogeneous treatment while storing dedusted cereals.

Environmental treatment: spray 100 ml of ACTELLIC® 5 every 10m². Use suitable equipment (▲) for ULV applications in ratio 1ml/m³.



TANK

Q.ty: 1 pc x 25 l

TANK

Q.ty: 4 pc x 5 l



BOTTLE

Q.ty: 10 pc x 500 ml



TARGET INSECTS

Weevils (*Sitophilus spp.*), red flour beetle (*Tribolium spp.*), grain beetles (*Oryzaephilus spp.*), lesser grain borer (*Rhyzopertha dominica*), biscuit beetle (*Trogoderma spp.*) and other foodstuff beetles;

Angoumois grain moth (*Sitotroga cerealella*), Mediterranean flour moth (*Ephestia kuehniella*), indian meal moth (*Plodia interpunctella*) and other insects which frequent stores and deposits.

K-Obiol® ULV 6

READY TO USE LIQUID

Pyrethroid insecticide for the protection of stored grain and storage environments. It acts by contact and ingestion against all insects that infest the grain to ensuring an effective and lasting protection.

It does not transmit smells and does not affect the germination of seeds.

DOSE AND APPLICATION METHODS

Direct treatment on cereals: apply K-OBIOL® ULV 6 as it is in ratio 42/84 ml per ton of grain.

Use a suitable equipment (●) to perform a uniform treatment upon storage

It is recommended a preventive cleaning and treatment of storage premises

K-OBIOL® ULV6 can be also mixed with other ready to use products, including ACTELLIC® 5.

COMPOSITION

Pure deltamethrin
Piperonyl butoxide

EQUIPMENT

- Cereal-San®
- Power Cereal-San®
- Air-Liquid Cereal-San®
- Air Cereal-San®

ALLOWED TREATMENTS ON

All cereal grains



TANK

Q.ty: 1 pz x 15 l

TANK

Q.ty: 4 pz x 5 l



Phytorob®

LIQUID CONCENTRATE

Biodegradable solvent for agrochemical products and industrial applications. With Phytorob, seeds are wetter and insecticide formulations adhere better to kernels. It reduces dusts during pest control treatments, making them extremely effective.

COMPOSITION

Methyl ester of rapeseed

DOSE AND APPLICATION METHODS

Dilute in ratio 1:1 the ready-to-use insecticide formulation with PHYTOROB®.

Dilute in ratio 1:4-10 the concentrated insecticide formulation with PHYTOROB®.



TANK

Q.ty: 1 pz x 25 l

TANK

Q.ty: 1 pz x 10 l



Actellic® 2P

DRY POWDER

ACTELIC® 2/P is an organophosphate insecticide-acaricide for the protection of stored cereals and storage environments (including silos). It has a strong knockdown effect. It acts quickly against any kind of insects by contact and asphyxiation, protecting stored cereals for a long period of time.

DOSE AND APPLICATION METHODS

Direct treatment on cereals: Use 250 g of ACTELIC® 2/P for each ton of seeds. Apply with suitable equipment (●) to have a homogeneous treatment during storage.

Environmental treatment: Apply 25 g of ACTELIC® 2/P every m². Use suitable equipment.

COMPOSITION

Pirimiphos methyl pure 2%

EQUIPMENT

● Dust Cereal-San®

ALLOWED TREATMENTS ON

Wheat, barley, triticale, oat



TARGET INSECTS

Weevils (*Sitophilus spp.*), red flour beetle (*Tribolium spp.*), grain beetles (*Oryzaephilus spp.*), lesser grain borer (*Rhyzopertha dominica*), biscuit beetle (*Trogoderma spp.*) and other foodstuff beetles;

Angoumois grain moth (*Sitotroga cerealella*), Mediterranean flour moth (*Ephestia kuehniella*), indian meal moth (*Plodia interpunctella*) and other insects which frequent stores and deposits.



BAG

Q.ty: 10pc x 1 kg

BAG

Q.ty: 1pc x 20 kg






Pre-Storage Environments

Environments treatment of empty storage areas for conventional foodstuff.






Offered Solutions

To use with Carrier *





	Litres of each component of the mix	With ULV equipments on environmental treatments ml/100m ³ 	
Nuvacid® 50	1 l	200-500	Mist Cereal San Cannon Cereal San
Biosol New	4 - 20 l		
Nuvex® NO PBO	1 l	200-300	Mist Cereal San Cannon Cereal San
Biosol® New	4 - 20 l		
			<ul style="list-style-type: none"> • Homogeneous dispersion in the environment • Strong knockdown effect, short-term residuality • Greaseless, no residues on the surfaces
			<ul style="list-style-type: none"> • Knockdown effect • It forces insects to come out of their nests • Short-term residuality

* Only for Cold Treatment

Ready-to-use products

	With ULV equipments on environmental treatments ml/100m ³ 	
Nuvacid® 50	70-120	Mist Cereal San Cannon Cereal San
		<ul style="list-style-type: none"> • Very handy thanks to the ready-to-use formulation • Strong knockdown effect, short-term residuality • Suitable for treatments with thermo-fogging equipments

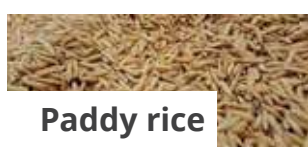
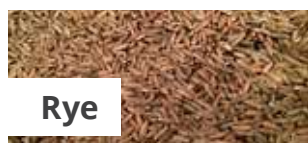
Dry Powders

	%			
Actellic® 2/P	100%	25 g/m ²	Dust Cereal San	<ul style="list-style-type: none"> • Strong knockdown effect • Long residual activity
Recidal®	100%	20 g/m ²	Dust Cereal San	<ul style="list-style-type: none"> • Long residual activity
Actellic® 2/P	50%	20 - 50 g/m ²	Dust Cereal San	<ul style="list-style-type: none"> • Strong knockdown effect • Long residual activity
Recidal®	50%		Dust Cereal San	

Focus Foodstuff

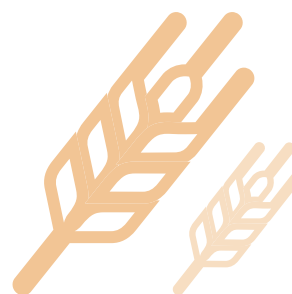
For each cereal, its specific solution...




Formulations:









Direct Treatment on Cereals

With Liquid Products



			%	 ml/ton		 Preharvest Interval (days)	
Short 0-4 months	1	K-Obiol® ULV6 Pygrain® Phytorob®	60 10 30	80-100	Knockdown effect Short residual action	2	All cereals
	2	Actellic® 5 K-Obiol® ULV6 Pygrain®	50 40 10	80-100	Knockdown effect Short residual action	2	All cereals (except corn and rice)
	3	Pygrain® Phytorob®	50 50	200	Knockdown effect	2	All cereals
Medium 0-9 months	4	K-Obiol® ULV6 Pygrain®	90 10	100-120	Knockdown effect Medium residual action	2	All cereals
	5	Actellic® 5	100	90	Knockdown effect on insects and mites Medium residual action	none	Wheat, oat...
Long 0-12 months	6	Actellic® 5 K-Obiol® ULV6	50 50	120-150	Strong knockdown effect on insects and mites (especially weevil) Long residual action	none	All cereals (except corn, rice and spelt)
	7	Actellic® 5 K-Obiol® ULV6	40 60	120-150	Strong knockdown effect on insects and mites (especially lesser grain borer) Long residual action	none	All cereals (except corn, rice and spelt)
	8	K-Obiol® ULV6 Pygrain® Phytorob®	60 10 30	120-150	Knockdown effect Long residual action	2	All cereals

With Powders

			%	 g/ton		 Preharvest interval (days)	
Medium 6-12 months		Actellic® 2/P	100	200	Knockdown effect Long residual action	none	Wheat, oat, barley, triticale
Long 6-12 months		Recidal®	100	1000-2000	Long residual effect	none	All cereals



EU MRL regulations



Regulations

Deltamethrin	p. 152
Pirimiphos-Methyl	p. 152
Pyretrum Extract	p. 153
Kieselgur or Diatomaceous earth	p. 153

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Regulations

Maximum residue limit (EU-MRL)

BEFORE the cereal enters the market

(ref. EC Regulation No. 396/2005 and subsequent modifications)

Insecticides acting by contact and ingestion

They are liquid or solid (powder) insecticides belonging to different chemical classes which acts mainly by contact and ingestion. These kinds of insecticides can be used in conventional and/or organic agriculture.

Link European Database

https://ec.europa.eu/food/plant/pesticides_en




Active substances used in Italy for the treatment on stored foodstuff are:

- **Pirimiphos-methyl**
- **Pyrethrum extract**
- **Kieselgur or Diatomaceous Earth**

Pirimiphos-Methyl

Organophosphate insecticide-acaricide. It has a broad-spectrum activity. It acts by contact and asphyxiation inhibiting the acetylcholinesterase enzyme in charge of the breakdown of some neurotransmitters. It penetrates quickly in the insects' and mites' cuticles; it has an immediate and long-lasting effect (up to 12 months).

Conventional agriculture




		MRL  ppm
Pirimiphos-methyl (Actellic line)	Barley	5.0
	Buckwheat	0.5
	Corn	0.5
	Millet	5.0
	Oat	5.0
	Rice	0.5
	Rye	0.5
	Sorghum	5.0
	Wheat	5.0
	Other	0.5

MRL authorized (cereal label) - 5 ppm

Deltamethrin

Sintetic pirethroid insecticide with persistence (from 6 to 12 months) acting by blocking sodium channel (Nat). It acts by contact displaying irritating properties towards insects.

Conventional agriculture

		MRL  ppm
Pirimiphos-methyl (K-Obiol line)	Barley	2.0
	Buckwheat	2.0
	Corn	2.0
	Millet	2.0
	Oat	2.0
	Rice	1.0
	Rye	2.0
	Sorghum	2.0
	Wheat	1.0
	Other	0.02

MRL authorized (cereal label) - 2 ppm (Rice and wheat 1 ppm)



Pyrethrum Extract

Organic pyrethroid insecticide with immediate and neurotoxic action. It blocks sodium channel (Na⁺). It is obtained from the grinding of dried chrysanthemum flowers (*Cineraefolium* sp.), it is a chemical compound made of different pyrethrins (pyrethrin I and II, cinerin I and II, jasmolin I and II).

Conventional and organic agriculture



Kieselgur or Diatomaceous earth

Insecticide of natural origin which acts physically against target insects (amorphous sediments comprised of fossilized algae's carapace of the Diatom family). The diatomaceous earth settles in the intersegmental areas under the cuticles causing the death of insects by desiccation. It takes 3 days to see the first results, but it has long-lasting effects.

Conventional and organic agriculture



Pyrethrum extract
(Pygrain line)



Barley
Buckwheat
Corn
Millet
Oat
Rice
Rye
Sorghum
Wheat
Other

MRL ppm

3.0
3.0
3.0
3.0
3.0
3.0
3.0
3.0
3.0
3.0

MRL authorized (cereal label) - 3 ppm



Kieselgur or Diatomaceous earth
(Recidal line)



Barley
Buckwheat
Corn
Millet
Oat
Rice
Rye
Sorghum
Wheat
Other

MRL ppm

0
0
0
0
0
0
0
0
0
0

MRL not requested (Annex IV Regulation No. 396/2005)

What about processed food products? (flour, pasta, etc...)

How much is the the Maximum Residue Limit (EU-MRL) allowed?

For processed food products, the Maximum Residue Limit allowed is obtained multiplying the active substance with the processing factor which is 1*

*the processing factor is the same for cereals grains.

The EC Regulation no. 396/2005 does not include the MRL for processed products and does not give any information on processing factors. The only reference is in the art. 20 of the EC Reg. 396/2005.



Equipment



Environmental treatments

Tech Cereal-San® p. 156

Mist Cereal-San® p. 157

Cannon Cereal-San® p. 158

Direct treatments

Dust Cereal-San® p. 159

Cereal-San® p. 162

Bio Cereal-San® p. 163

Duo Cereal-San® p. 164

Power Cereal-San® p. 165

Air Liquid Cereal-San® p. 166

Air Cereal-San® p. 167

Accessories p. 169

Treatments tables p. 170

www.newpharm.it

Tech Cereal-San®

AUTOMATED CONTROL OF ENVIRONMENTAL TREATMENTS



The technology of TECH CEREAL-SAN®, in both versions “manual control” and “remote control”, through App on Smartphone, allows a good management of the pest control and pest control interventions in food industries and storage areas. The product will be sprayed through the spray head connected to the air-liquid tank for the desired amount of time. The air-liquid spraying device is equipped with a programmable control unit, a stainless-steel spray head and a 20 l tank.

FIELD OF APPLICATION

To use for environmental sprayings. Particularly suitable for food industries, warehouses and storage areas.



APPLICATION METHOD

PROGRAMMABLE CONTROL UNIT THROUGH APP AND NFC SENSOR.

TECH CEREAL-SAN® must be connected to the Wi-Fi net through the apposite application for Android or iOS Smartphones.

From the application, it is possible to manually switch on and off the device or program its functioning in specific hours or days, also very frequently.

TECH CEREAL-SAN® can be remotely activated, for a safest treatment without having any direct contact with the treated environments.

MAIN FEATURES

- 20 l tank
- Air-liquid nozzle
- Control unit + solenoid valve
- 6/4 white rilsan tube (10 m) + blue tube (10 m)

EQUIPMENT

Q.ty: 1 pc



WATCH THE
VIDEO ON
YOUTUBE

Mist Cereal-San®

COMPRESSED-AIR EQUIPMENT INSECTICIDES AND DISINFECTANTS SPRAYING



MIST CEREAL-SAN® is a robust, flexible and easy-to-use equipment. It is the ideal equipment for extreme conditions. Thanks to the new air-liquid nozzle every solution will be micronized in the interested environment in order to have an effective treatment.

FIELD OF APPLICATION

To use for environmental sprayings. Particularly suitable for food industries, warehouses and storage areas.

DIMENSIONS

79 x 35 x 35 cm



Air-liquid nozzle



Timer (optional)
For the automated functioning of
Mist Cereal-San

APPLICATION METHOD

- Pour the product in the 20 l tank
- Activate the compressed air (10 mm tube)
- Regulate the pressure (we suggest 6 bar)
- Open the air faucet
- Open the product faucet
- To turn off the equipment, follow the procedure backwards.

Hourly capacity: 4 bar – 8.40 l/h 5 bar - 9.00 l/h 6 bar - 9.6 l/h

MAIN FEATURES

- Chemical-resistant nozzle
- 8 bar safety valve
- 0-12 bar pressure gauge
- Faucet "air entry"
- Faucet "liquid exit"
- Faucet "air exit"
- Nr. 1 air-liquid nozzle (SU16)
- Handgun and 8 m spiral tube

OPTIONAL:

- Mini compressor
- 50 l tank

EQUIPMENT

Q.ty: 1 pc



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YOUTUBE

Cannon Cereal-San®

SINGLE-PHASE MOTOR EQUIPMENT WITH PUMP-VENTILATOR SYSTEM FOR THE NEBULIZATIONS OF INSECTICIDES AND DISINFECTANTS



New spraying system powered by a single-phase electric motor for ULV treatments on large environments. The new version of CANNON CEREAL-SAN® offers better performances: both concentrated and ready-to-use products can be employed.

FIELD OF APPLICATION

Suitable for food industries, warehouses and storage areas

DIMENSIONS

110 cm x 59 cm x 170 cm



Stainless steel nozzle
(adjustable flow)

Directionable spraying systems

APPLICATION METHOD

- Keep the equipment at 220V
- Pour the product in the 120 l tank
- Switch on the pump
- Keep the liquid under pressure with the pressure switch (we suggest 30 bar)
- With the second switch, switch on the ventilator
- Open the faucet of the liquid
- To turn off the equipment, follow the procedure backwards.

MAIN FEATURES

- Stainless steel micro-nozzles for the liquid spraying
- High-quality sprayings also with lower amount of product
- New motor potentiometer which guarantees more power (from 3000 to 6000 rpm)
- Suitable for both concentrated and ready-to-use products

EQUIPMENT

Q.ty: 1 pc



WATCH THE
VIDEO ON
YOUTUBE

Dust Cereal-San®

COMPRESSED AIR SYSTEM FOR POWDER DISTRIBUTION



DUST CEREAL-SAN® uses the pressure of its compressed air system combined with the movement created by the mixer located inside the hopper to distribute the dry powder evenly in the areas to be treated.

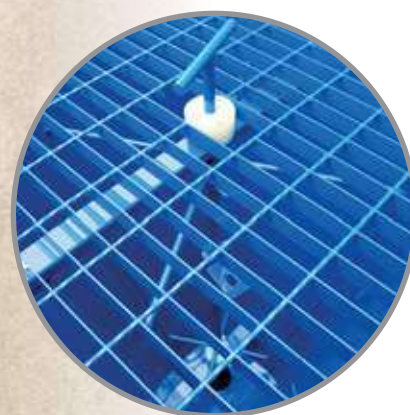
A flexible hose with a specifically designed nozzle can also be installed in order to distribute the powder in cereals transport systems, such as conveyor belts and chain conveyors.

FIELD OF APPLICATION

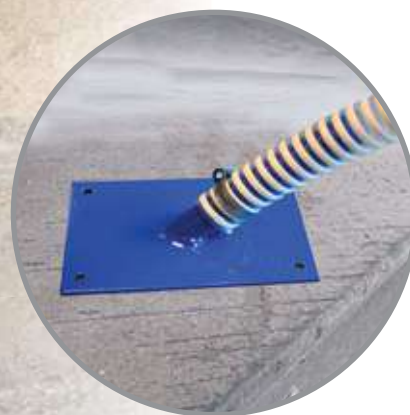
To be used for environmental treatments. Particularly suitable for food industries, storage and warehouses.

DIMENSIONS

55 x 50 x 155 cm / 60 kg



Mixer



Nozzle for direct treatment on cereals

APPLICATION METHOD

Minimum working pressure: 4 bar.

1. Put the powder inside the hopper.
2. Activate the internal mixer.
3. Open the ball valve choosing one of the 4 available options according to the desired distribution quantity (200g per minute).
4. To switch off the equipment, follow these steps in the reverse order.

MAIN FEATURES

- Entirely metallic equipment;
- 30 kg powder load hopper;
- Powder output riser tube;
- Ball valve;
- Mixer;
- Air regulator;
- Safety switch.

EQUIPMENT

Q.ty: 1 pc



WATCH THE
VIDEO ON
YOUTUBE

Preparation for the direct spraying on cereals

The correct product application is essential to get the expected result in controlling cereal pests. In order to fulfil the different needs, Newpharm® suggests the best application system and the most suitable insecticide's mixture.

What should you know?

1. Storage period in months;
2. Flowrate of transport lines as conveyor belts, chain conveyors or elevator towers

Knowing those elements, the technical service of Newpharm® will suggest you:

- The most effective mixture, taking into consideration the different kind of cereal grains and the possible pests;
- The most suitable application system and the technical support for the installation.

Those two factors are essential to perform a successful application, in order to reduce waste and to achieve the highest effectiveness from the employed products.

The correct set up of the spraying units is crucial in order to achieve optimal treatments on grain cereals. Nozzles need to be placed on cereal's transport lines so that, along the application, (a shuffle of the cereal in order to the product mixture evenly reaches the whole cereal mass smooth the insecticide active substance on the whole volume could be performed).

The cereal's transport lines are: conveyor belts (figure 1), chain conveyors (figure 2) or elevator towers (figure 3).

Collocation spots:

- 1) Place the nozzle on the conveyor belt's end limit, using the inspection window. It represents a strategic spot since it is possible to control the efficiency of the spraying system through the inspection window.
- 2) Place the nozzle on the ramp which transports the cereal grains from the conveyor belt to the bottom of the elevator tower.
- 3) Place the nozzle on the elevator tower's end limit, where the cereal grain starts to fall down.

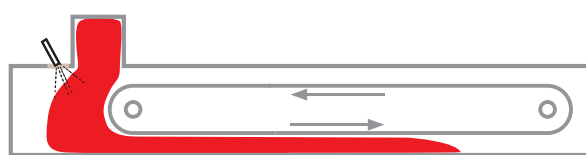


Figure 1

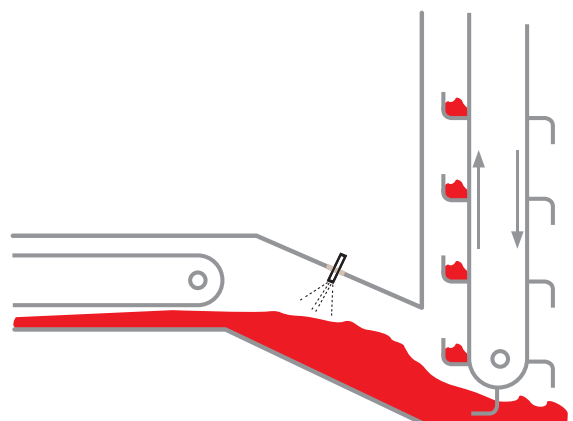


Figure 2

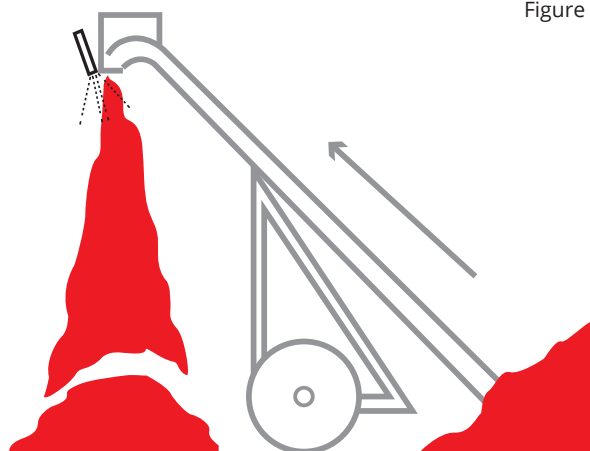


Figure 3

Cleaning of Cereal-San® system

- Complete emptying and cleaning of the tanks
- Cleaning of the foot valve placed inside the tank
- Clean with compressed air in order to eliminate dust, residues and facilitate the functioning of the pump motor
- Make sure the pressure gauge is efficient
- Valves: make sure to have a watertight ball valve
- Make sure tubes are not damaged. In case of damages, replace them (suggested replacement after 3 years)
- Cleaning of the filter placed inside the injector body (suggested cleaning 3-4 times a year)
- Replacement of the nozzle (once a year) – (For air-liquid equipment with SU16-SU26 nozzles, a deep cleaning is sufficient).



Cereal-San®

ELECTRIC SYSTEM FOR PEST CONTROL OF STORED CEREALS AND SEEDS

CEREAL-SAN® is a solid and compact system equipped with a magnetic drive pump able to work on 3 independent spraying lines for direct pest control treatments on cereals.

FIELD OF APPLICATION

Use exclusively for the direct pest control treatment on cereals with ready-to-use or concentrated products.

DIMENSIONS

54 x 54 x 85 cm / 10.4 kg

MAIN FEATURES

- 230V - 50Hz - IP55 single-phase electric motor
- Self-supporting, flat-bottom, 100 l capacity polyethylene tank
- Nr. 2 spraying units with a filter and fixing supports
- Nr. 6 cone nozzles type TX (2xA, 2xB, 2xC)
- 20 mt rilsan tube 4-6 mm
- 0-10 bar pressure gauge
- Float with a foot valve

OPTIONAL:

- Danfoss microinjectors
- Digital flow metre for the valuation of the efficiency of the liquid delivery
- 500 l tank
- Precision pressure regulator with micrometric screw
- Collecting tank for polluting liquids
- 12V electric motor



APPLICATION METHOD

Install CEREAL-SAN® and its spraying units near cereal transport systems (conveyor belts or chain conveyors). Depending on the hourly capacity, place the nozzle on the transport system. Pour the mixture in the tank and switch on CEREAL-SAN® and adjust the operating pressure.

Flow range capacity 33 l/h

EQUIPMENT

Q.ty: 1 pc



WATCH THE
VIDEO ON
YOUTUBE



Kit for the air-liquid conversion

This system allows the conversion of CEREAL-SAN®, BIO CEREAL-SAN®, POWER CEREAL-SAN®, DUO CEREAL-SAN® into compressed air-liquid systems.

Bio Cereal-San®

ELECTRIC SYSTEM FOR PEST CONTROL OF STORED CEREALS AND SEEDS

BIO CEREAL-SAN® is a solid and compact system equipped with a magnetic drive pump able to work on 3 independent spraying lines for direct pest control treatments on cereals.



FIELD OF APPLICATION

Use exclusively for the direct pest control treatment on cereals with ready-to-use or concentrated products.

DIMENSIONS

54 x 54 x 85 cm / 10.4 kg

MAIN FEATURES

- 230V - 50Hz - IP55 single-phase electric motor
- Darkened tank for organic treatments
- Self-supporting, flat-bottom, 100 l capacity polyethylene tank
- Nr. 2 spraying units with a filter and fixing supports
- Nr. 6 cone nozzles type TX (2xA, 2xB, 2xC)
- 20 mt rilsan tube 4-6 mm
- 0-10 bar pressure gauge
- Float with a foot valve

OPTIONAL:

- Danfoss microinjectors
- Digital flow metre for the valuation of the efficiency of the liquid delivery
- 500 l tank
- Precision pressure regulator with micrometric screw
- Collecting tank for polluting liquids
- 12V electric motor

APPLICATION METHOD

Install BIO CEREAL-SAN® and its spraying units near cereal transport systems (conveyor belts or chain conveyors). Depending on the hourly capacity, place the nozzle on the transport system. Pour the mixture in the tank and switch on CEREAL-SAN® and adjust the operating pressure.

Flow range capacity 33 l/h

✓ Easy conversion of air-liquid CEREAL-SAN® equipment

✓ Even spraying on the whole MASS

✓ Maximum effectiveness



WATCH THE
VIDEO ON
YOUTUBE

OPTIONAL



EQUIPMENT

Q.ty: 1 pc



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VIDEO ON
YOUTUBE

Duo Cereal-San®

ELECTRIC SYSTEM FOR PEST CONTROL OF STORED CEREALS AND SEEDS

DUO CEREAL-SAN® is equipped with two separate and independent tanks. DUO CEREAL-SAN® allows to manage easily and safely the pest control operations of different cereal lots.



APPLICATION METHOD

Install DUO CEREAL-SAN® and its spraying units near cereal transport systems (conveyor belts or chain conveyors). Depending on the hourly capacity, place the nozzle on the transport system. Pour the mixture in the tank and switch on DUO CEREAL-SAN® and adjust the operating pressure. The electro-pump unit makes sure the two solutions will not mix.

Flow range capacity 33 l/h

Important: the equipment is not design for the simultaneous aspiration from both tanks.



Kit for the conversion into compressed air-liquid system available

EQUIPMENT

Q.ty: 1 pc

FIELD OF APPLICATION

Use exclusively for the direct pest control treatment on cereals with ready-to-use or concentrated products.



Detail of the supply and pressure valves

MAIN FEATURES

- 230V - 50Hz - IP55 single-phase electric motor
- Polyethylene tank with 100 l capacity
- Nr. 2 spraying units with a filter and fixing supports
- Nr. 6 cone nozzles type TX (2xA, 2xB, 2xC)
- 20 mt rilsan tube 4-6 mm
- 0-10 bar pressure gauge
- Float with a foot valve
- Metal platform truck

OPTIONAL:

- Danfoss microinjectors
- Digital flow metre for the valuation of the efficiency of the liquid delivery
- 500 l tank
- Darkened tank for organic treatment
- Precision pressure regulator with micrometric screw
- 12V electric motor

Power Cereal-San®

ELECTRIC SYSTEM FOR PEST CONTROL OF STORED CEREALS AND SEEDS

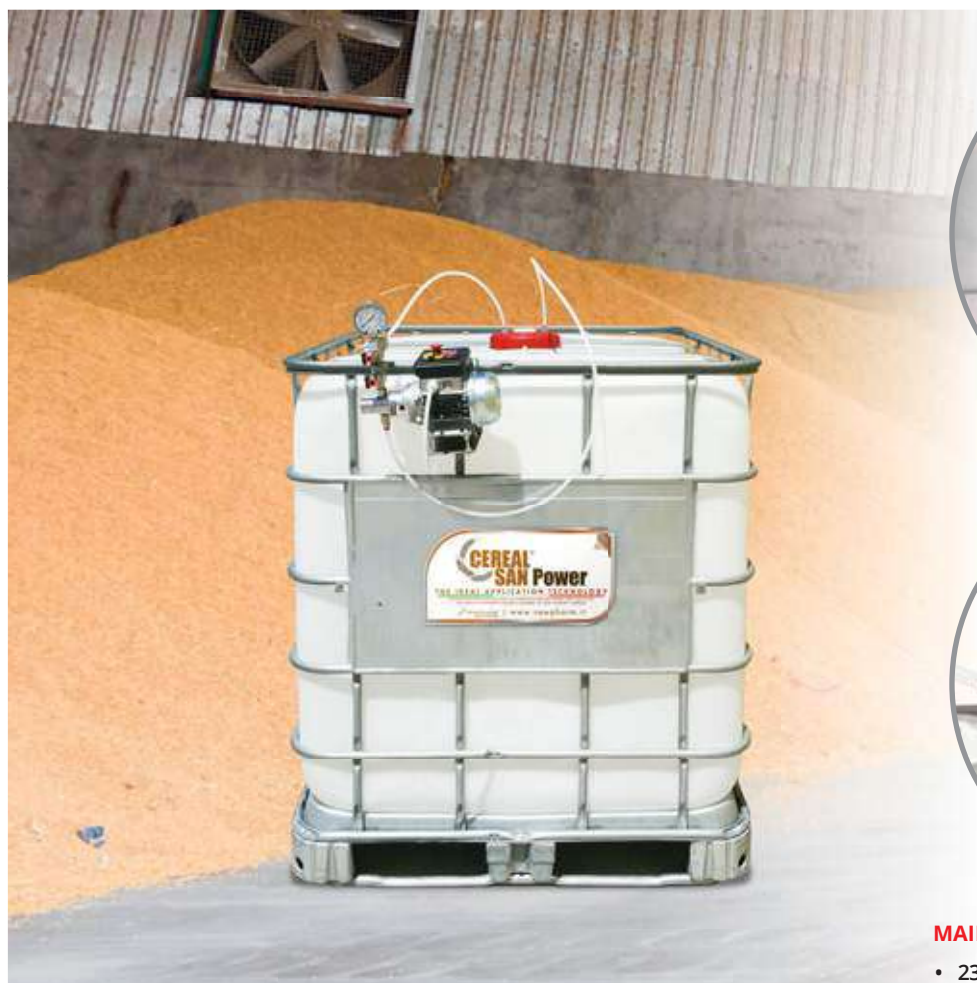
POWER CEREAL-SAN® represents the most performing system for the direct pest control treatment on cereals and grains. The electric pump system is fixed directly to the 1000 l tank.

FIELD OF APPLICATION

Use exclusively for the direct pest control treatment on cereals with ready-to-use or concentrated products.

DIMENSIONS

18 x 37 x 26 cm



APPLICATION METHOD

Install POWER CEREAL-SAN® and its spraying units near cereal transport systems (conveyor belts or chain conveyors). Depending on the hourly capacity, place the nozzle on the transport system. Pour the mixture in the tank and switch on POWER CEREAL-SAN® and adjust the operating pressure.

Flow range capacity 100 l/h



Kit for the conversion to compressed air-liquid system available

MAIN FEATURES

- 230V - 50Hz - IP55 single-phase electric motor placed on a polyethylene cube with 1000 l capacity
- Nr. 2 spraying units with a filter and fixing supports
- Specific nozzles
- 20 mt rilsan tube 4-6 mm
- 0-10 bar pressure gauge
- Float with a foot valve

OPTIONAL:

- Digital flow metre for the valuation of the efficiency of the liquid delivery
- Collection tank for polluting liquids

PUMP
Q.ty: 1 pc

IBL TANK
Q.ty: 1 pc

Air Liquid Cereal-San®

COMBINED SYSTEM (ELECTRIC/COMPRESSED AIR) FOR PEST CONTROL OF STORED CEREALS AND SEEDS

Multi-purpose system for pest-control treatment of post-harvest grain cereals during their transit on the transport line (chain conveyors and conveyor belts mainly) and for the periodical disinfection of the transport systems. The system involves a specific nozzle able to produce an air-liquid spray finely atomized and penetrant. This nozzle is controlled by an air microcontroller placed on the tank to which is connected the compressed air. This unit can be also reproduced (on request) on a 50 l stainless steel tank.

FIELD OF APPLICATION

Cereal pest control
Disinfection of different lines of cereals

DIMENSIONS

54 x 54 x 85 cm /10.4 kg



Detail of Air-Liquid nozzle

APPLICATION METHOD

Install AIR LIQUID CEREAL-SAN® and its spraying units near cereal transport systems (conveyor belts or chain conveyors). Depending on the hourly capacity, place the nozzle on the transport system. Pour the mixture in the tank and switch on AIR LIQUID CEREAL-SAN® and adjust the operating pressure.

Flow range capacity with air-liquid nozzle (4 bar): 6.1 l/h

Important: calibrate the air microcontroller. It should have the same pressure displayed on the pressure gauge of the magnetic drive pump which receives the liquid. It is fundamental to know the hourly capacity of the conveyor belt or chain conveyor to install the correct nozzle.

MAIN FEATURES

- 24 l capacity stainless steel tank
- 8 bar safety valve
- Nr. 2 spraying units with a filter and fixing supports
- Nr. 6 cone nozzles type TX (2xA, 2xB, 2xC)
- 20 mt rilsan tube 4-6mm
- 0-10 bar pressure gauge

OPTIONAL:

- Small compressor
- 50 l capacity stainless steel tank
- Manual wand

STAINLESS STEEL TANK

Q.ty: 1 pc

PLASTIC TANK

Q.ty: 1 pc

Air Cereal-San®

ELECTRIC SYSTEM FOR PEST CONTROL OF STORED CEREALS AND SEEDS

AIR CEREAL-SAN® is a compressed-air device fully automated suitable for the pest control of stored grains and storage areas. Thanks to its flexibility, it can be used for localised treatment on different lines of cereals located in different transport systems (conveyor belts, grain elevators, chain conveyors, etc.).

AIR CEREAL-SAN® includes a compressed air inlet, a pressure sensor and two independent spraying lines for the nebulization of the insecticide's mixture.

FIELD OF APPLICATION

Cereal pest control
Disinfection of different lines of cereals

DIMENSIONS

40 x 41.5 x 106 cm/19 kg



APPLICATION METHOD

Regulate the air pressure to obtain a homogeneous nebulization on chain conveyors or other transport systems. In order to move the tank, it is sufficient to connect it to a compressor (optional). During pest control operations on transport systems, it is advisable to start the mechanisms for having a homogeneous treatment.

Flow range capacity: 3-18 l/h

MAIN FEATURES

- 24 l capacity stainless steel tank
- 8 bar safety valve
- Nr. 2 spraying units with a filter and fixing supports
- Nr. 6 cone nozzles type TX (2xA, 2xB, 2xC)
- 20 mt rilsan tube 4-6mm
- 0-10 bar pressure gauge

OPTIONAL:

- Small compressor
- 50 l capacity stainless steel tank
- Manual wand

EQUIPMENT

Q.ty: 1 pc

Digital flow meter



The new Digital Flow Meter connected to the Cereal-San®, represents an innovative step on the nebulizers' market. Professionals are now able to control the entire treatment, measuring in real-time the quantity of the supplied insecticidal product. The Flowmeter collects the data during the transfer of the insecticide solution from the pump to the nozzle in ml/hour.

The new Flowmeter ensures to control at any time the correct process of the dosing system, thanks to the two signals, acoustic and luminous, which warn the operator in case of over/under dosing, assuring a quick maintenance and avoiding irregular pest-control treatments.

Once the treatment is completed, it is possible to transfer the USB memory card from the Flowmeter to any PC or Tablet, in order to view the recorded statistics.

- ❑ **Full control of the treatment in real-time**
- ❑ **Optimization of time and costs**
- ❑ **Filing of data for reports and statistics**



Accessories

	Product	Dimension
	Tank for leaking liquids	136 x 124 x 59 cm 1000 kg portata
	New metal platform truck for AIR-LIQUID CEREAL-SAN® with 1,5 hp compressor.	-
	Oil monophasic coaxial air compressor, 1.5 hp, self-lubricated, portable. It can be matched with AIR-LIQUID CEREAL-SAN® metal platform truck	43 x 21 x 43 cm
	Heating belt for cold treatment, CEREAL-SAN®, BIO-CEREAL-SAN®, DUO CEREAL-SAN®, AIR-LIQUID CEREAL-SAN®. It allows to warm ready-to-use products and organic solvents (e.g. PHYTOROB BIO® + PYGRAIN®) inside PVC or metal tanks. It is available an aluminium tape for the spread of the heating in plastic tanks.	-
	Air-liquid nozzle	-
	New digital flowmeter to use with CEREAL-SAN® equipment	-
	New timer for MIST CEREAL-SAN®. It can be activated manually of with TECH CEREAL-SAN®	-
	KIT FOR THE AIR-LIQUID SET VP made up of bracket, pressure gauge, microregulator for air pressure regulation, compressed air inlet and outlet, air-liquid nozzle (SU16-SU26), 10 m rilsan tube (6/4)	-

Before starting each treatment, you should always check spray head's flow rate, which can be affected by:

- ✓ Viscosity of the product and temperature;
- ✓ Cleaning of suction filter, spray head, injector body and pipes.

The effectiveness of the treatment is guaranteed by the correct nebulization of the product. It is also suggested to verify the actual consumption of product depending on the stored cereal grains, in case the pump is not equipped with a **digital flow meter** (optional).

Cereal-San®: Fan Nozzles Kit

Spray head



+

Fan nozzles to be installed on spray head



The kit provides n° 2 spray heads, n° 2 fan nozzles for each kind (A - B - C) and n° 2 fixing supports.

Dosage Table Cereal-San®

SPRAY HEAD INSTALLED AT THE SAME LEVEL OF THE PUMP (*)	PRESSURE GAUGE Bar/Atmospheres	CEREAL FLOW RATE ON BELT / REDLER / COCHLEA ton/hour PER DOSE OF READY TO USE PRODUCT:							PRODUCT FLOW RATE liter/hour SPRAY HEAD
		40 ml/ton	60 ml/ton	80 ml/ton	100 ml/ton	120 ml/ton	140 ml/ton	160 ml/ton	
A (Cod. 650017)	1	74	50	37,5	30	25	21,5	18,7	3,00
	2	90	60	45	36	30	25,7	22,5	3,60
	3	120	80	60	48	40	34,2	30	4,80
	4	130	87,5	65,6	52,5	43,7	37,5	32,8	5,25
	5	142,5	95	71,2	57	47,5	40,7	35,6	5,70
	6	157,5	105	78,7	63	52,5	45	39,3	6,30
B (Cod.650033)	2	177,3	115	86,2	69	57,5	49,2	43,1	6,90
	3	202,5	135	101,2	82	67,5	57,8	50,6	8,10
	4	240	160	120	96	80	68,5	60	9,60
	5	262,5	175	131,2	105	87,5	75	65,6	10,50
	6	285	190	142,5	118	95	81,4	71,2	11,40
C (Cod. 650067)	2	342,5	235	176,2	141	117,5	100,7	88,1	14,10
	3	435	290	217,5	174	145	124,2	108,7	17,40
	4	525	350	262,5	210	175	150	131,2	21,00
	5	575,5	385	288,7	231	192,5	165	144,3	23,10
	6	645	430	322,5	258	215	184,2	161,2	25,80

Recommended for low temperature treatments (<5°), with the organic range products (Pygrain® and Phytorob® Bio)
Optional: System for maintaining the tank at a positive temperature

Example of suggested dosage:

Cereal capacity of the belt/redler /cochlea **40 ton/hr.**

Suggested dosage of product **120 ml/ton.**

The following information are obtained from the above table:

A (Cod. 650017) = nozzle to be installed on the spray head;

3 bar = manometer pressure;

4,80 = flow rate liter/hour of product or product mixture to be consumed (40 ton x 120 ml = 4,80 liter/hour).

(*) when the spray head is placed at heights higher than 5mt from the level of the pump, it is necessary to increase the pressure of about 1,0 bar each 10mt of height of the pump; if you have two working spray heads, the pressure needs to be increased by 2,0 bar. To better control the delivery of product it is possible to install a pressure gauge.

Cereal-San[®]: Cone Nozzles Kit

Spray head

Cone nozzles to be installed on spray head



+



The kit provides n° 2 spray heads, n° 2 cone nozzles for each kind (A Tx1-B Tx2-C Tx3) and n° 2 fixing supports.

Dosage Table Cereal-San[®]

SPRAY HEAD INSTALLED AT THE SAME LEVEL OF THE PUMP(*)	PRESSURE GAUGE Bar/Atmospheres	CEREAL FLOW RATE ON BELT / REDLER / COCHLEA ton/hour PER DOSE OF READY TO USE PRODUCT							PRODUCT FLOW RATE liter/hour SPRAY HEAD
		40 ml/ton	60 ml/ton	80 ml/ton	100 ml/ton	120 ml/ton	140 ml/ton	160 ml/ton	
A (Cod. Tx1)	1	75	50	37,5	30	25	21,4	18,7	3,00
	2	105	70	52,5	42	35	30	26,2	4,20
	3	123	82	61,5	49,2	41	65,1	30,7	4,92
	4	135	90	67,5	54	45	35,8	33,7	5,40
	5	147	98	73,5	58,8	49	42	36,7	5,88
	6	163,5	109	81,7	65,4	45,4	46,7	40,9	6,54
B (Cod. Tx2)	1	139,5	93	69,7	55,8	46,5	39,8	34,8	5,58
	2	183	122	91,5	73,2	61	52,3	45,7	7,32
	3	213	142	106,5	85,2	71	60,8	53,2	8,52
	4	237	158	118,5	94,8	79	67,7	61,1	9,48
	5	259,5	173	129,7	103,8	86,5	74,1	64,9	10,38
	6	282	188	141	112,8	94	80,5	70,5	11,28
C (Cod. Tx3)	1	196,5	131	98,2	78,6	65,5	56,1	49,1	7,86
	2	265,5	177	132,7	106,2	88,5	75,8	66,3	10,62
	3	321	214	160,5	128,4	107	91,7	80,2	12,84
	4	360	240	180	144	120	102,8	90	14,40
	5	393	262	196,5	157,2	131	112,3	98,2	15,72
	6	421,5	281	210,7	168,6	140,5	120,4	105,4	16,86

Example of suggested dosage:

Cereal capacity of the belt/redler /cochlea **54 ton/hr.**

Suggested dosage of product **100 ml/ton.**

The following information are obtained from the above table:

A (Tx1) = nozzle to be installed on the spray head;

4 bar = manometer pressure;

5,40 = flow rate liter/hour of product or product mixture to be consumed (54 ton x 100 ml = 5,40 liter/hour).

(*) when the spray head is placed at heights higher than 5mt from the level of the pump, it is necessary to increase the pressure of about 1,0 bar each 10mt of height of the pump; if you have two working spray heads, the pressure needs to be increased by 2,0 bar. To better control the delivery of product it is possible to install a pressure gauge.



AIR-LIQUID nozzle

Dosage Table **Air-Liquid Cereal-San®**

SPRAY HEAD INSTALLED AT THE SAME LEVEL OF THE PUMP(*)	PRESSURE GAUGE Bar/Atmospheres	CEREAL FLOW RATE ON BELT / REDLER / COCHLEA ton/hour PER DOSE OF READY TO USE PRODUCT							PRODUCT FLOW RATE liter/hour SPRAY HEAD
		40 ml/ton	60 ml/ton	80 ml/ton	100 ml/ton	120 ml/ton	140 ml/ton	160 ml/ton	
A (Cod. SU16)	0,7	75	50	37,5	30	25	21,4	18,8	3,00
	1,5	160	106,7	80	64	53,3	45,7	40	6,40
	4	195	130	97,5	78	65	55,7	48,8	7,80
B (Cod. SU26B)	0,7	-	-	-	-	-	-	-	-
	1,5	-	-	-	-	-	-	-	-
	2	292,5	195	146,3	117	97,5	83,6	73,1	11,70
	3	462,5	308,3	231,3	185	154,2	132,1	115,6	18,50
	4	650	433,3	325	260	216,7	185,7	162,5	26,00
C (Cod. SU26)	0,7	-	-	-	-	-	-	-	-
	1,5	-	-	-	-	-	-	-	-
	2	472,5	315	236,3	189	157,5	135	118,1	18,90
	3	975	650	487,5	390	325	278,6	243,8	39,00
	4	1300	866,7	650	520	433,3	371,4	325	52,00

(*) To control pump and relate dosages.

Example of suggested dosage:

Cereal capacity of the belt/redler/cochlea **80 ton/hr.**

Suggested dosage of product **80 ml/ton.**

The following information are obtained from the above table:

A (SU16) = nozzle to be installed on the spray head;

1,5 bar = manometer pressure;

6,40 = flow rate liter/hour of product or product mixture to be consumed (80 ton x 80 ml = 6,40 liter/hour).



The kit provides n° 2 spray head, n° 2 cone nozzles for each kind (D Tx8 - E Tx10 - F Tx12 - G Tx14) and n° 2 fixing supports.

Dosage Table **Power Cereal-San® - Ready To Use Products**

SPRAY HEAD INSTALLED AT THE SAME LEVEL OF THE PUMP (*)	PRESSURE GAUGE Bar/Atmospheres	CEREAL FLOW RATE ON BELT / REDLER / COCHLEA ton/hour PER DOSE OF READY TO USE PRODUCT							PRODUCT FLOW RATE liter/hour SPRAY HEAD
		40 ml/ton	60 ml/ton	80 ml/ton	100 ml/ton	120 ml/q.le	140 ml/ton	160 ml/ton	
D (Cod. Tx8)	1	559,5	373	279,7	223,8	186,5	159,8	139,9	22,38
	2	750	500	375	300	250	214,3	187,5	30,00
	3	876	584	438	350,4	292	250,3	219	35,04
	4	988,5	659	494,2	395,4	329,5	282,4	247,1	39,54
	5	1105,5	737	552,7	442,2	368,5	315,8	276,4	44,22
E (Cod. Tx10)	1	754,5	503	377,2	301,8	251,5	215,6	188,6	30,18
	2	942	628	471	376,8	314	269,1	235,5	37,68
	3	1101	734	550,5	440,4	367	314,6	275,2	44,04
	4 (*)	1255,5	837	627,7	502,2	418,5	358,7	313,9	50,22
	5 (*)	1393,5	929	696,7	557,4	464,5	398,1	348,4	55,74
F (Cod. Tx12)	1	933	622	466,5	373,2	311	266,6	233,2	37,32
	2	1222,5	815	611,2	489	407,5	349,3	305,6	48,90
	3	1435,5	957	717,7	574,2	478,5	410,1	358,8	57,42
	4 (*)	1623	1082	811,5	649,2	541	463,7	405,7	64,92
	5 (*)	1813,5	1209	906,7	725,4	604,5	518,1	453,3	72,54
G (Cod. Tx14)	1	1110	740	555	444	370	317,1	277,5	44,40
	2	1437	958	718,5	574,8	479	410,6	359,2	57,48
	3	1668	1112	838,4	667,2	556	476,6	417	66,72
	4 (*)	1836,6	1224,4	918,3	734,7	612,2	524,7	459,2	73,47
	5 (*)	2008,5	1339	1004,2	803,4	669,5	573,8	502,1	80,34

(*) To control pump and relate dosages.

Example of suggested dosage:

Cereal capacity of the belt/redler /cochlea **300 ton/hr.**

Suggested dosage of product **100 ml/ton.**

The following information are obtained from the above table:

D (Tx8) = nozzle to be installed on the spray head;

2 bar = manometer pressure;

30,00 = flow rate liter/hour of product or product mixture to be consumed (300 ton x 100 ml = 30,00 liter/hour).



Dosage Table **Power Cereal-San®** - Emulsifiable Concentrate Products

NOZZLES HOLE	PRESSURE GAUGE Bar/ Atmospheres	CEREAL FLOW RATE ON BELT / REDLER / COCHLEA ton/hour PER DOSE OF EMULSIFIABLE CONCENTRATE PRODUCT	PRODUCT FLOW RATE liter/hour SPRAY HEAD
D (Cod. Tx8)	1	20	20,00
	2	30	30,00
	4	40	40,00
E (Cod. Tx10)	4 (*)	50	50,00
F (Cod. Tx12)	3	60	60,00
	5 (*)	70	70,00
G (Cod. Tx14)	5 (*)	80	80,00

Example of suggested dosage:

Cereal capacity of the belt/redler/cochlea **30 ton/hr.**

The following information are obtained from the above table:

D (Tx8) = nozzle to be installed on the spray head;

2 bar = manometer pressure;

30,00 = flow rate liter/hour of product or product mixture to be consumed.



Cereal-San®, Power Cereal-San®, Air Cereal-San®:

Danfoss Nozzles Kit For Minor Doses

Spray head



+



Danfoss nozzles to be installed on the spray head

The kit provides n° 1 spray heads, n° 2 chosen Danfoss nozzles and n° 2 fixing supports.

Micro Dosage Table

Cereal-San®, Power Cereal-San®, Air Cereal-San®

NOZZLES HOLE	OPERATING PRESSURE 5 Bar (only)	CEREAL FLOW RATE ON BELT / REDLER / COCHLEA ton/hour PER DOSE OF READY TO USE PRODUCT							PRODUCT FLOW RATE liter/hour SPRAY HEAD
		40 ml/ton	60 ml/ton	80 ml/ton	100 ml/ton	120 ml/ton	140 ml/ton	160 ml/ton	
N° 1 Ø 0,20	5	10,5	7	5,2	4,2	3,5	3	2,6	0,42
N° 2 Ø 0,50		39	26	19,5	15,6	13	11,1	9,7	1,56
N° 3 Ø 0,75		60	40	30	24	20	17,1	15	2,40
N° 4 Ø 1,00		81	54	40,5	32,4	27	23,1	20,2	3,24
N° 5 Ø 1,50		120	80	60	48	56,7	34,3	30	4,80
N° 6 Ø 1,75		147	98	73,5	58,8	49	42	36,7	5,88

Example of suggested dosage:

Cereal capacity of the belt/redler /cochlea **24 ton/hr.**

Suggested dosage of product **100 ml/ton.**

The following information are obtained from the above table:

N°3 (Ø 0,75) = nozzle to be installed on the spray head;

5 bar = manometer pressure;

2,40 = flow rate liter/hour of product or product mixture to be consumed (24 ton x 100 ml = 2,40 liter/hour).

Monitoring



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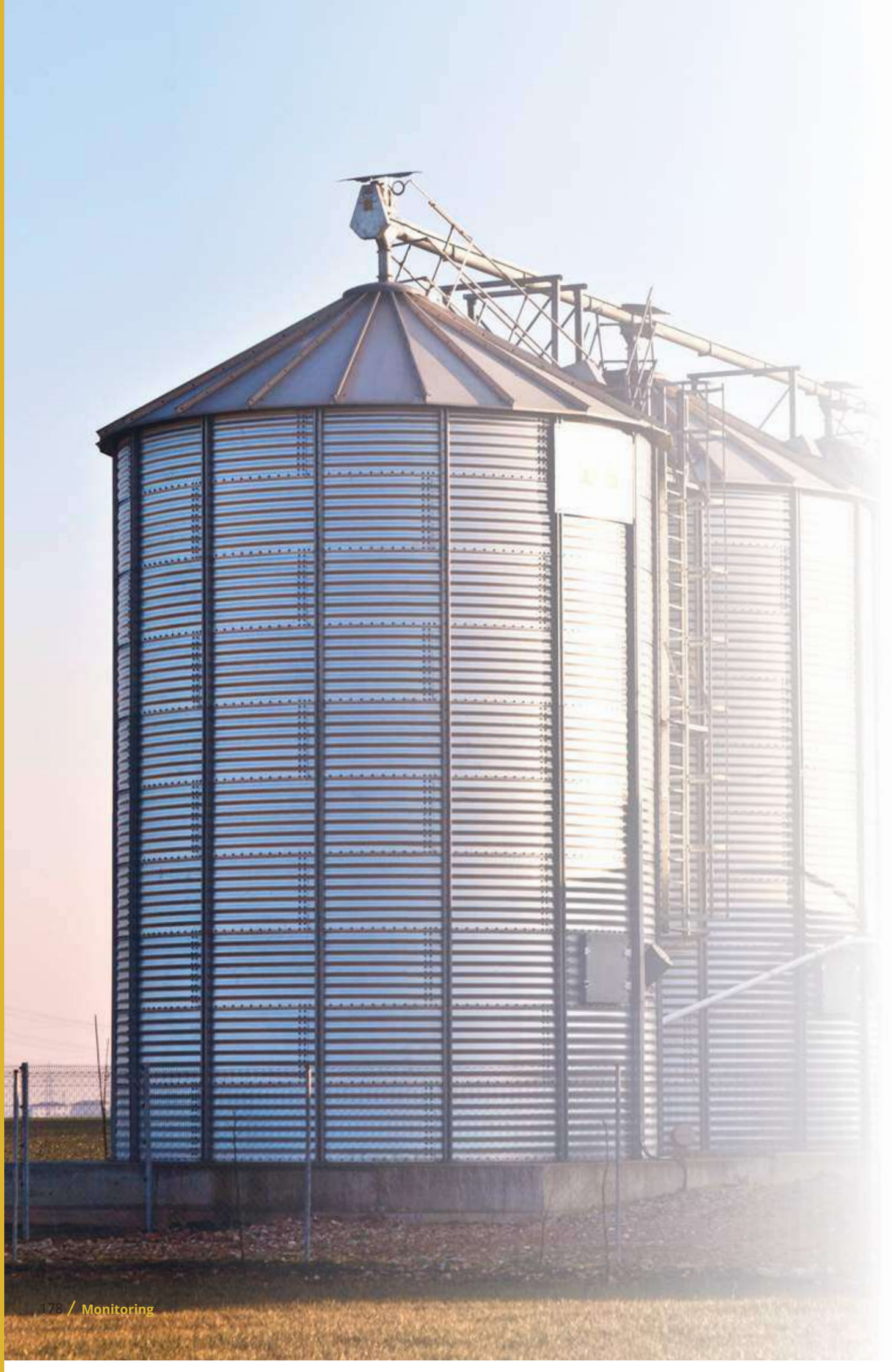
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www.newpharm.it



New Silotrap®

SPECIFIC TRAP FOR THE MONITORING OF PESTS IN VERTICAL SILOS AND HORIZONTAL WAREHOUSES

Thanks to its specific shape, New Silotrap can be easily placed into silos, on top of stored cereals. It is made of stainless steel; it is robust and resistant and is designed to capture many insect's species thanks to two plates where 8 pheromones and food attractants must be placed. Pheromones attract flying and crawling insects which enter the New Silotrap through specific holes and openings.

DIMENSIONS

250 x 250 x 500 h mm

APPLICATION METHOD

Place the pheromones on the plates placed at the extremities of the trap.

Place the support of New Silotrap vertically inside the mass of cereal.

Place New Silotrap at a distance of 15-20 m.

Monitoring time: check the trap after 20-30 days.



MAIN FEATURES

- Stainless steel structure
- Nr.2 plates which can hold up to 8 pheromones
- Trap opening through a metallic handle
- Opening on the holed tube for inspection
- Nr. 2 eyelets for anchorage and retrieval of the trap

Optional: Winch and cable for the retrieval of the trap

TARGET PESTS

Flying insects: Indianmeal moth (*Plodia interpunctella*), Mediterranean flour moth (*Ephestia kuehniella*), European grain moth (*Nemapogon granella*).

Crawling insects: Weevil (*Sitophilus spp.*), flour beetles (*Tribolium spp.*), sawtoothed grain beetle (*Oryzaephilus spp.*), lesser grain borer (*Rhyzopertha dominica*), biscuit beetle (*Trogoderma spp.*), and other cereal pests.

TRAP

Q.ty: 1 pc

Pheromones and attractant products for crawling insects



Products	Pest	Quantity
Pheromone	Carpet beetle (<i>Anthrenus verbasci</i> , <i>Attagenus unicolor</i>)	10 pc x 1
Pheromone	Flour beetle (<i>Tribolium confusum</i>), <i>Tribolium castaneum</i> .	100 pc x 1
Food attractant	German cockroach (<i>Blattella germanica</i>)	96 pc x 1
Food attractant	<i>Blattella</i> spp.	100 pc x 1
Pheromone	Hide beetle (<i>Dermestes maculatus</i>)	100 pc x 1
Pheromone	Flour beetle (<i>Tribolium confusum</i>), <i>Tribolium castaneum</i> , <i>Trogoderma</i> spp., tobacco beetle (<i>Lasioderma serricorne</i>), rice weevil (<i>Sitophilus oryzae</i>), grain beetle (<i>Oryzaephilus</i> spp.)	10 pc x 1
Pheromone	Carpet beetle (<i>Attagenus</i> spp.) <i>Anthrenus</i> spp., cereal beetle (<i>Trogoderma</i> spp.)	10 pc x 1
Pheromone	Mold mite (<i>Tyrophagus putrescentiae</i>)	1 pc x 1
Pheromone	Black carpet beetle (<i>Attagenus unicolor</i>)	10 pc x 1
Pheromone	<i>Trogoderma</i> spp.	10 pc x 1
Pheromone	Tobacco beetle (<i>Lasioderma serricorne</i>)	10 pc x 1
Pheromone	Drugstore beetle (<i>Stegobium panaceum</i>)	10 pc x 1
Pheromone	Rice weevil (<i>Sitophilus oryzae</i>)	10 pc x 1
Pheromone	Lesser grain borer (<i>Rhyzopertha dominica</i>)	10 pc x 1
Pheromone	Larger grain borer (<i>Prostephanus truncatus</i>)	10 pc x 1

Insects Limited

All Beetle Trap

TRAP FOR CRAWLING INSECTS



All Beetle Trap is a professional trap resistant to dust. It is ideal for capturing crawling foodstuff insects. Depending on the target insect, the trap must be activated with one of the baits listed in the table "Pheromones and attractant products for crawling insects".

DIMENSIONS:

10 x 10 x 2 cm

TARGET PEST

Crawling insects: wheat weevils, beetles, tobacco beetles, wood-eating beetles, grain beetles, cereal beetles, silverfishes, crickets.

APPLICATION METHODS

To monitor foodstuff insects, traps must be placed in those points where insects are supposed to be present.

It is advisable to handle pheromones and food attractants with gloves in order not to affect their effectiveness.



TRAP

Q.ty: 10 pc x 1



Pheromones and attractant products for flying and foodstuff insects



Product	Pest	Quantity
Pheromone	Indianmeal moth (<i>Plodia interpunctella</i>), Warehouse moth (<i>Ephestia cautella</i>), Mediterranean flour moth (<i>Ephestia kuehniella</i>), Cacao moth (<i>Ephestia elutella</i>), <i>Cadra figulilella</i> .	10 pc x 1 100 pc x 1
Pheromone	Indianmeal moth (<i>Plodia interpunctella</i>), Warehouse moth (<i>Ephestia cautella</i>), Mediterranean flour moth (<i>Ephestia kuehniella</i>), Cacao moth (<i>Ephestia elutella</i>), <i>Cadra figulilella</i> , <i>Trogoderma</i> spp., tobacco beetle (<i>Lasioderma serricorne</i>).	10 pc x 1 100 pc x 1
Pheromone	Clothes moth (<i>Tineola bisselliella</i>), case-bearing clothes moth (<i>Tinea pellionella</i>).	10 pc x 1
Pheromone	Warehouse moth (<i>Ephestia cautella</i>)	10 pc x 1
Pheromone	Cacao moth (<i>Ephestia elutella</i>)	10 pc x 1
Pheromone	Case-bearing clothes moth (<i>Tinea pellionella</i>)	10 pc x 1
Pheromone	Angoumois grain moth (<i>Sitotroga cerealella</i>)	10 pc x 1

NoSurvivor Hanging Diamond Trap

TRAP FOR FLYING INSECTS

DIMENSIONS:

10,5 x 15,5 cm



TARGET PEST

Flying insects: Indianmeal moth (*Plodia interpunctella*), Mediterranean flour moth (*Ephesia kuehniella*), European grain moth (*Nemapogon granella*).

Diamond-shaped professional trap for the monitoring and capture of Lepidopteran insects, beetles and weevils. The trap must be activated placing a specific pheromone on the adhesive surface before hanging it.

APPLICATION METHODS

The trap should be placed at a height of about 2.5 metres. At least 2 traps with the same pheromone are needed for each species of insect which needs to be monitored.

It is advisable to handle pheromones and food attractants with gloves in order to preserve their effectiveness.



TRAP

Q.ty: 60 pc x 1

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General regulations

CLP Regulation

The Regulation (EC) No. 1272/2008 of 16/12/2008, commonly known as the CLP Regulation, is the current European regulation on the classification, labeling and packaging of dangerous chemical substances and mixtures. The application of the new CLP classification and labeling criteria came into force on December 1st, 2010 for substances and on June 1st, 2015 for mixtures, including agrochemicals, medical surgical supplies, biocides and free-sale products. However, for products which had been available on the market before 1st June 2015, a two-year extension was granted for their classification and labeling and therefore until 1st June 2017 it was possible to find on the market products with labels in compliance with the new Regulation and products with labels in compliance with the previous regulation (DPD).

The application of the CLP Regulation has led to significant changes in the classification and labeling of products, introducing important innovations including:

- new hazard symbols or pictograms (symbols in the shape of a diamond or rhombus):

Physical hazards pictograms:



Health hazards pictograms:



Environmental hazards pictograms:



- new hazard statements or **H-phrases**;
- new precautionary statements or **P-phrases**;
- etc.

Reach Regulation

The Regulation (EC) No. 1907/2006 of 18/12/2006, commonly known as REACH Regulation, is a European regulation for the registration, evaluation and authorization of chemical substances. It aims to ensure a high level of health and environmental protections. The REACH Regulation, which came into force on June 1st, 2007, rules the manufacture, import, placing on the market and use of ALL chemicals, as they are or as components of mixtures and compounds.

The **registration** of chemical substances obliges manufacturers and importers (for quantities which goes beyond 1 ton / year) to submit to ECHA (European Chemicals Agency) a series of information for an appropriate **assessment** and a subsequent **authorization** or **restriction**. **Only substances that comply with this Regulation can be sold and used in the formulation of chemical products.**

Among the various obligations imposed by the REACH Regulation, it is compulsory to attach the **safety data sheet**



(SDS) to all those products classified as dangerous or with certain dangerous characteristics. According to the art. 31, any supplier of chemical substances and / or mixtures must send the recipient a safety data sheet in the official language of the Member State of destination, free of charge, on paper or by email within the date of supply and if there is any change in the document. In the latter case, the new version of the SDS must be provided to all recipients who bought the substance or mixture during the previous 12 months.

Some Simple Rules

For a safe use

- Regardless of the product classification, it is recommended to always follow the following rules:
- Keep the products in their original containers with the original labels intact and legible;
- Carefully read the label printed on the package before use;
- Even if not specifically indicated on the label, it is advisable to use clothing which avoids the direct contact of the product with the skin;
- Do not eat, drink or smoke while using the products;
- Always wash your hands after each use;
- Never use products whose origin is unknown or which are not kept in their original containers;
- Do not apply the products in outdoor environments in case of strong wind or imminent rains to avoid pesticide drift or runoff. Prefer cool hours;
- Check the correct operation of the Equipment if using it after a long period of time;
- Use Equipment which is subjected to periodical checks;
- Use the appropriate nozzles for every treatment;
- Read the instructions on the label for the disposal of empty packages;
- Never bury and burn waste;
- In case of accidental spillage, use absorbent material (e.g. sawdust) and collect everything taking care not to touch directly the product;
- IN CASE OF PRESUMED INTOXICATION, contact the nearest Poison Control Centre and make sure you have the product packaging and the label available.

PPE clothing



Protective Goggles

Wear protective eye goggles



Respirator Mask

wear appropriate respirator mask and filter



Gloves

Wear chemical resistant gloves



Coverall

Wear chemical resistant coverall

Notes

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