

RED MITE PROJECT



TARGETED SOLUTIONS FOR THE CONTROL OF POULTRY RED MITE
(*Dermanyssus Gallinae*)
www.progettoacaro.it





FOCUS ON THE PROBLEM

The poultry red mite (*Dermanyssus gallinae*) is the cause of considerable difficulties for poultry farms. According to farmers and scientific studies, the presence of this parasite causes significant damage to the health and welfare of affected animals, with serious consequences from the point of view of productivity and consequently significant economic losses. The trophic activity takes place during nighttime hours mainly, sucking the blood while the animal rests, making the bird restless and exhausted with a performance below acceptable standards both as delayed growth of the animal and production of meat and eggs. In many cases, in extreme conditions of infestation, leads to the death of the animal.



1°STEP

RED MITE
BIOLOGY

RED MITE PROJECT





Newpharm's Red mite project stems from a clear corporate philosophy gained through thirty years of experience: "Solutions able to solve the main problems of farmers in controlling insects and mites."

Newpharm therefore proposes SOLUTIONS through a full range of products, safe application methods and consolidated post-sales technical assistance.

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INTERVENTIONS PROTOCOL

Poultry red mite is the most important ectoparasite present worldwide and in almost all chicken farms. In addition to colonize the animal, it infests the production environment and the operators.

END OF CYCLE	 1 DISINFESTATION	<table border="1"> <thead> <tr> <th></th> <th>PRODUCTS</th> </tr> </thead> <tbody> <tr> <td>Within 24 hours of departure of the animals, a knock-down intervention is crucial in order to reclaim, before the deterston and cleaning operations.</td> <td>NUVACID® 7 NUVACID® 50</td> </tr> </tbody> </table>		PRODUCTS	Within 24 hours of departure of the animals, a knock-down intervention is crucial in order to reclaim, before the deterston and cleaning operations.	NUVACID® 7 NUVACID® 50
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SANITARY BREAK	<p>The sanitary break is the period between the end of the disinfection operations and the introduction of new animals. At the end of that period all premises, equipment and utensils with which the hens are in contact are thoroughly cleaned and disinfected. During sanitary break red mite finds a shelter, so as to render vain all attempts to contrast it.</p>					
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PRODUCTION PROCESS OF POULTRY INDUSTRY (24 MONTHS)

BAGGY®

SURFACTANT DETERGENT
ABLE TO DESTROY
THE BIOFILM AND
ACCUMULATION OF
ORGANIC MATRIX

BAGGY® is an effective coadjuvant for the disgregation and the prevention of mites colonies. Its balanced formulation is able to interfere in the development process and tropism of red mite.



ANTI COLONIZATION TREATMENT



MAINTENANCE TREATMENT

EMULSIFIABLE LIQUID

COMPOSITION

Cationic surfactants;
Non-ionic surfactants;
Amphoteric surfactants;
Quaternary ammonium.

TARGET

Poultry red mite
(*Dermanyssus gallinae*).

DOSE

Baggy® is to be diluted according to the concentrations listed below.

In empty areas:

Use diluted in water at 10% dose (100 gr/lit)

During the production cycle:

conduct targeted applications at low pressure (2-3 bars) always at a concentration of 10% in water.

During the treatment it is important to nebulize all surfaces thoroughly.

BAGGY® PLUS

SOLUTION WITH
TRIPLE ACTION:
SURFACTANT DETERGENT,
DISGREGATING -
PHYSICAL DIRECT ACTION -
DETERRENT

BAGGY® PLUS prevents the colonization of production environments, while the amorphous silica contained in it guarantees physical-biocide action against the red mite. In addition essential oils play a deterrent anti nesting function.



20 Kg
(1x20 Kg)



BASIC TREATMENT



ANTI COLONIZATION TREATMENT



MAINTENANCE TREATMENT

EMULSIFIABLE LIQUID

COMPOSITION

Cationic surfactants;
Non-ionic surfactants;
Amphoteric surfactants;
Quaternary ammonium;
Essential oils; Amorphous precipitated silica (synthetic).

TARGET

Poultry red mite
(*Dermanyssus gallinae*).

DOSE

Baggy® Plus is to be diluted according to the concentrations listed below.

In empty areas:

Use diluted in water at 10% dose (100 gr/lit)

During the production cycle:

conduct targeted applications at low pressure (2-3 bars) always at a concentration of 10% in water.

Shake well before use. It is recommended mechanical mixing.

NEWCIDAL[®] SIL

LIQUID SOLUTION WITH
 PHYSICAL DIRECT ACTION

NEWCIDAL[®] SIL is particularly effective in controlling red mite during its movement phase from the nest (biofilm) to the animal. It causes abrasions and wounds resulting in death of red mite by dehydration. It is particularly useful in a rotational protocol of interventions as an alternative to conventional acaricides.



20 Kg
 (1x20 Kg)



MAINTENANCE TREATMENT

**TO BE DILUTED IN WATER
 OR READY TO USE LIQUID**

DOSE

COMPOSITION

Synthetic amorphous precipitated silica

TARGET

Poultry red mite control
(Dermanyssus gallinae),
 dust mites, fleas and ticks.

Laying hens in battery.

Nebulize NEWCIDAL[®] SIL uniformly on all horizontal and vertical surfaces of the cages, feeders, egg conveyors and perches, without forgetting corners, cracks, crevices where mites can take refuge. Use NEWCIDAL[®] SIL as such for medium-high level of infestations or diluted in water at 10% for low infestations. Ideal in alternation to the product BAGGY[®]

Shake well before use. It is recommended mechanical mixing.

RECIDAL[®] SIL

NATURAL POWDER
 WITH ACARICIDE AND
 INSECTICIDE PROPERTIES



15 Kg
 (1x15 Kg)



2 Kg
 (1x2 Kg)



200 gr
 (12x200 gr)



MAINTENANCE TREATMENT

DRY POWDER

DOSE

COMPOSITION

1000 gr/kg diatomaceous earth

TARGET

Poultry Red Mite control
(Dermanyssus gallinae).
 Pests such as ants, silverfishes,
 moths, insects and arachnids
 in warehouse.

Against red mite: cover the whole surface, the bottom of the cage, perches and other places by applying a visible layer of product. Repeat the procedure if necessary. It can be applied in the presence of animals.

Dose: as such: 30-50 gr/m², the amount of powder required depends from the type of farm. Diluted in water: dilute 1 kg in 3-5 lt of water making sure that the mixture remains constantly agitated during application.

RELATED PRODUCT

Recidal Sil exists also
 in aerosol for targeted
 uses.





NUVACID® 50

CONCENTRATED INSECTICIDE

NUVACID® 50 is indicated for the deep disinfestation of the outdoor and indoor environments. The new formulation is more effective and displays a broader spectrum of activity. NUVACID® 50 has the maximum knock down effect.



1 liters
(12x1lt)



DISINFESTATION

CONCENTRATE LIQUID

COMPOSITION

100 grams of product contain:
Tetramethrin technique 92%
gr 3,1 (26 gr/lt)
Piperonyl butoxide 90%
gr 15,4 (130 gr/lt)

TARGET

Mites, flying and crawling insects, bedbugs, fleas, warehouse and foodstuffs parasites and other sanitary interest insects.

DOSE

With a hand pump or nebulizers: use diluted in water at a concentration of 1.5% or higher.
When used with ULV nebulizers: 50-100 ml of solution per 300 m³. Let the product work, keeping the local tightly closed. After 2-4 hours ventilate the rooms.

N.B: the volume of liquid can be increased up to a ratio of 1:20 with appropriate diluent/solvent (Newsol®/Biosol®).

REGISTRATION n. 19842

NUVACID® 7

READY TO USE INSECTICIDE

NUVACID® 7 is a ready to use product suitable for the deep disinfestation of the outdoor and indoor environments. Ideal formulation for thermal and ULV applications. NUVACID® 7 has the maximum killing power.



5 liters
(4x5 lt)



DISINFESTATION

READY TO USE LIQUID

COMPOSITION

100 grams of product contain:
Tetramethrin technique 92% gr 1,15
(10gr/lt) Piperonyl butoxide 90% gr
5,5 (47gr/lt)

TARGET

Mites, flying and crawling insects, bedbugs, fleas, warehouse and foodstuffs parasites and other sanitary interest insects.

DOSE

With hand pumps or atomizers: 1 liter per 100 m² of surface to be treated, taking care to evenly distribute the mixture in the corners, crevices, transit points of the insects and on the surfaces where they usually settle.

When used with ULV nebulizers: 110-120 cc per 100 m³ of volume to be treated. Let the product work, keeping the local tightly closed. After 2-4 hours ventilate the rooms.

REGISTRATION n. 19841

EQUIPMENT

TARGETED SOLUTIONS FOR RED MITE CONTROL



- ✓ Solidity and lightness.
- ✓ Telescopic bars can reach up to 5-6 levels of cages (4.7 m), adjustable in height and width.
- ✓ Double agitation unit.
- ✓ Polyethylene tank with a capacity of 200 liters.
- ✓ Suction unit.



VECTOR-AVI[®] PLUS

Equipment for treatments in poultry farms (laying hens). Thanks to its modularity and flexibility it adapts to all situations and structures, and allows to reach uniformly even the higher cages. It is equipped with KOHLER engine and COMET adjustable pressure pump which can supply up to 54 lt/minute. Ideal for passages in narrow corridors (measure 55 cm), it is equipped with 2 vertical bars (adjustable in height and width) each with possibility to activate up to 21 nozzles.

VECTOR-AVI[®] PLUS the best application technology.

Fast, penetrating and homogeneous nebulization thanks to 42 nozzles, extendable up to 4,7 meters in height.

The application of biocidal products should take place without animals except for a range of Newpharm products: in fact the solutions such as BAGGY® and BAGGY® PLUS, NEWCIDAL®, RECIDAL® SIL, RECIDAL® SIL AEROSOL can be adopted in the shelter environments with animals inside without no contraindication.

PRODUCT	COMPOSITION	FORMULATION	DOSE	KILLING ACTION	RESIDUAL ACTION
BAGGY®	Quaternary ammonium compounds and surfactants	Emulsifiable liquid	10%	++	++
BAGGY® PLUS	Surfactants - Quaternary ammonium compounds - Essential oils - synthetic amorphous precipitated silica	Emulsifiable liquid	10%	++	+++
NEWCIDAL® SIL	Synthetic amorphous precipitated silica	Ready to use liquid	Ready to use or diluted at 10%	++	++
NUVACID® 50	Tetramethrin 26 gr/liter - PBO 130 gr/liter	Liquid Concentrate	100-150ml in 10 liters of water	+++	+/-
NUVACID® 7	Tetramethrin 10 gr/liter - PBO 47gr/liter	Ready to use liquid	1L/1000m ³	+++	+/-
RECIDAL® SIL	1000 gr/kg diatomaceous earth	Dry powder	1Kg/3-5lt	++	+++

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