

Androlis Taurrus

Biological control of poultry red mites

Predators attacking all life stages of the parasite

Androlis and Taurrus are two species of mite that prey on red mites *Dermanyssus gallinae*. These two predatory mites attack the parasite during all stages of its life cycle (eggs, larvae, nymphs and adults). The predators are found in all bird nests in the wild and can occur naturally in laying hen facilities. Use Androlis and Taurrus to re-establish a natural equilibrium.



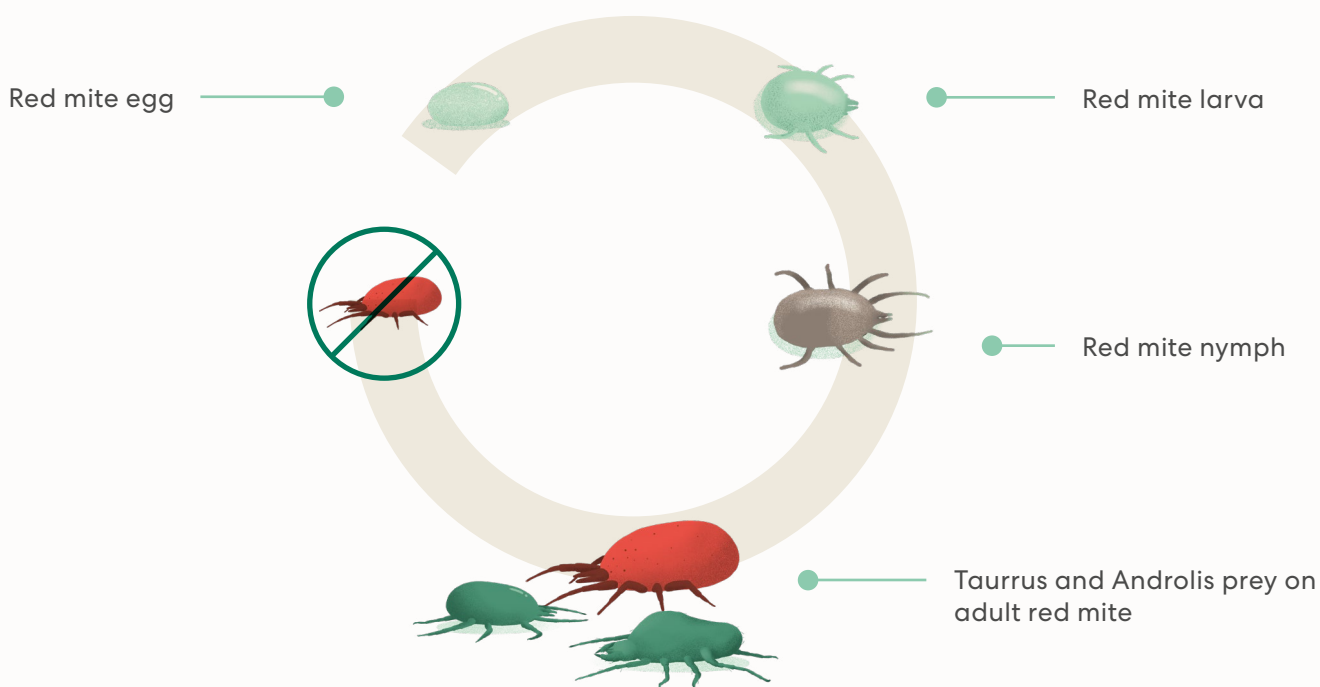
A complete and effective solution

- ✓ The beneficials are harmless and pose no danger to human or animal health
- ✓ Safe to use in the presence of animals
- ✓ Effective whether used preventively or curatively
- ✓ Compatible with other treatments as part of integrated pest management

Biological control of red mites

Red mites are a source of nuisance for chickens as well as farmers. They take advantage of periods when the hens are inactive to have a blood meal, which causes stress, nervousness, a drop in egg production, anaemia and even death. Red mites are also known to transmit numerous pathogens. They form clusters near the hens' resting areas (perches, slats and nests) and can fit themselves into the tiniest cracks and crevices in structures. Red mites can rapidly develop resistance to insecticides, adapt to extreme conditions and survive prolonged fasting. These properties make them extremely difficult to eliminate from farms.

Integrated pest management solutions combining different treatment modalities are the most effective tools for controlling red mites in the long term. Androlis and Taurus are natural predators of red mites. They are adapted to farming conditions and live near the birds. These predators are found in all bird nests in the wild and can occur naturally on laying hen farms. Their small size and mobility enable them to hunt down these parasites in the tiniest corners of your farm.



The beneficial's characteristics

- ANDROLIS**
- › The egg-to-egg cycle is 20-27 days
 - › Fertility of approximately 30 eggs/female
 - › Well adapted to farm environments

- TAURUS**
- › Life cycle of 14-20 days
 - › Fertility of approximately 40 eggs/female
 - › Able to withstand harsh conditions (extremes in temperature, fasting, low humidity)



The two predators complement each other in controlling *Dermanyssus gallinae*.

Instructions

Dosage

Androlis and Taurus are available as a kit treating 1,500 hens. Each kit contains:

- One tub of Androlis PRO (100,000 predators *Androlaelaps casalis*)
- One tub of Taurus PRO (400,000 predators *Cheyletus eruditus*)

Also available:

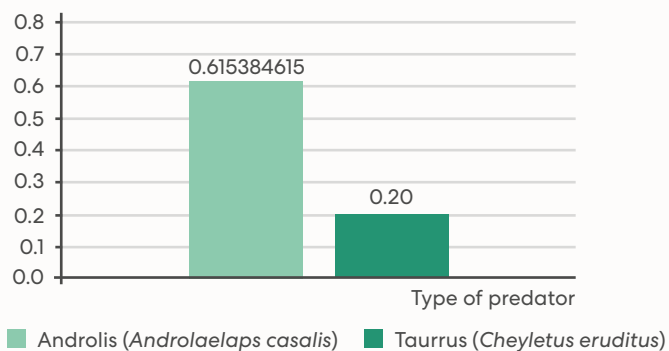
A bottle of Androlis (6,000-8,000 predators) for 200 hens.

A sachet for the nest roof (4,000-6,000 predators), box of 60 pre-punched sachets.

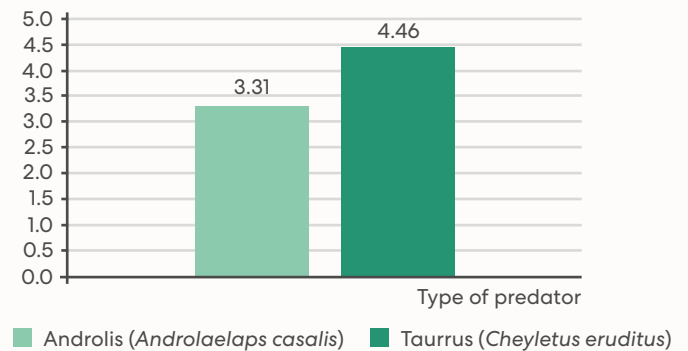
Frequency

The Androlis & Taurus kit can be used both preventively and curatively. Initial release: use one kit for 1,500 hens, when restocking with new birds. Follow up with three to six half-releases at intervals of several weeks, using one kit for 3,000 hens. The number released can be reduced in the following years.

Predation rate of *Cheyletus eruditus* and *Androlaelaps casalis* on *Dermanyssus gallinae* in 24h



Number of *Dermanyssus gallinae* nymphs eaten in 48h by Androlis & Taurus



Lifespan and storage

Androlis & Taurus are live products. They must be used quickly, preferably upon receipt. The product can be stored for up to one week in a cool place away from light.

Use

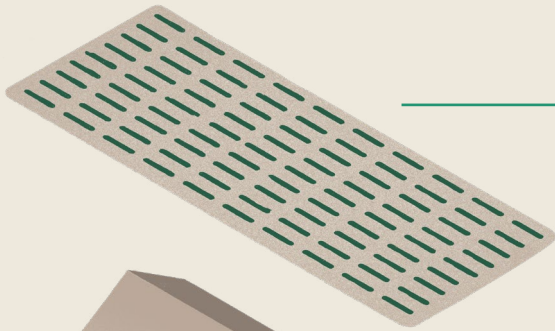
- ✓ Scatter Androlis and Taurus in nests, under floor slats as well as in all areas where red mites can develop. Supplement the tubs with sachets and/or bottles.
- ✓ Place sachets on nest roofs and on building structures.
- ✓ Bottles can be mounted on perches using the clip.



A complete pest-control programme

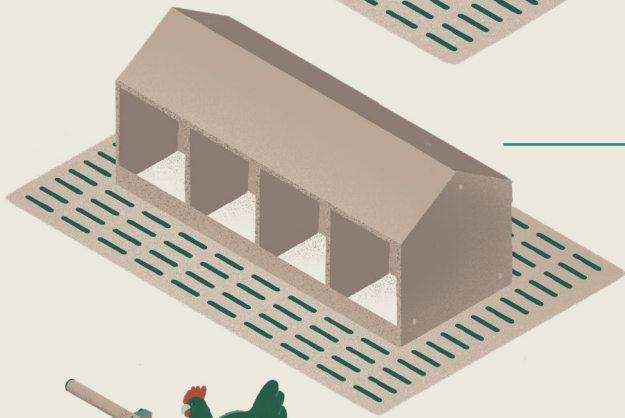
Using Androlis & Taurus

A programme for controlling red mites is effective because the products complement each other. Each product has been developed as a response to one specific aspect of controlling farm pests.



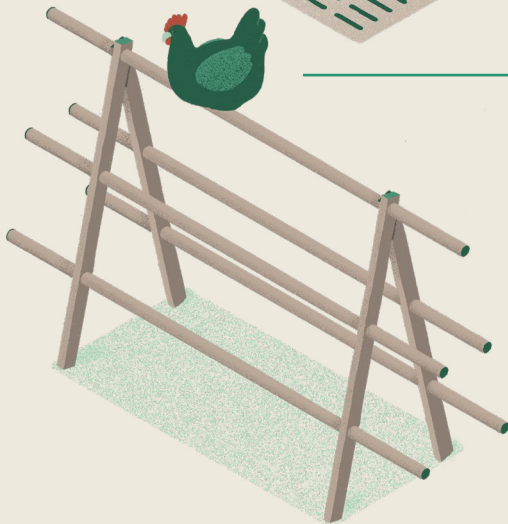
Androlis & Taurus kit

Androlis & Taurus are predatory mites attacking at all the life stages of the red mite.



Androlis sachet

The Androlis sachet supplements the Androlis & Taurus kit. It is set up for gradual dispersal in the treatment zones.



Androlis bottle

The Androlis bottle is a supplementary tool to the Androlis & Taurus kit, set up in aviaries to disperse the predators.



Appic'ure liquid

Appic'ure liquid is a dietary supplement to be used where red mites are present, to weaken the pests and make them more vulnerable to predators.



Get the best results

Setting up a preventive approach specifically for your poultry farm's needs allows you to prevent and limit red mite infestations more easily. Each programme is based on the type of farm, building surface area and number of animals. These variables determine which predators to put in place, their quantities and the frequency of application.

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(Let insects do the job.)

Email: order@bestico.nl
Telephone: +31 (0)10 514 04 88
Website: bestico.eu