



EXZOLT® ADMINISTRATION BEST PRACTICE GUIDE

FOR POULTRY RED MITE CONTROL

Exzolt®
FLURALANER

 **MSD**
Animal Health

BREAKTHROUGH MITE CONTROL

Exzolt represents an innovative approach for comprehensive management of poultry red mites in chickens, providing systemic acaricidal activity instead of relying on external contact with a pesticide or other treatment compounds.

- ▶ Exzolt induces a rapid and massive decrease in red mite populations in a chicken house, with demonstrated 99%+ efficacy.¹
- ▶ An Exzolt treatment programme of two doses administered one-week apart spans two red mite life cycles, thus disrupting mite population dynamics.
- ▶ When used in conjunction with proper biosecurity measures, longer term control of red mite populations in chicken houses can be achieved.



In this guide we will outline some easy steps you can take to optimise your Exzolt treatment outcome.

1 | ENSURE ALL BIRDS RECEIVE A FULL DOSE OF EXZOLT

WHY IS THIS IMPORTANT?

If some birds receive a suboptimal dose of Exzolt, the populations of red mite that feed on them may remain post treatment.

- ▶ **Keep birds inside during treatment** to ensure they drink the medicated water rather than water from the range area.
- ▶ **Check the water system** to ensure it works properly and is free of leaks; also ensure that medicated water is available to all nipple or bell drinkers.
- ▶ **Weigh at least 20 birds** using calibrated scales to calculate the average individual bird weight; this will ensure the correct dose is administered to the drinking water for all birds.



2 | MAKE IT EASIER FOR THE RED MITES TO FEED

WHY IS THIS IMPORTANT?

Red mites that feed are mites that will die.

ENSURE ALL AREAS ARE CLEAN AND FREE OF CLUTTER PRIOR TO TREATMENT.

- ▶ Clutter which has accumulated dust and debris offer red mites a place to hide.
- ▶ The cleaner, tidier and clearer areas are prior to administration the more successful treatment will be.
- ▶ Pay close attention to areas such as the egg room: red mites can be found in feathers, other organic matter and machinery panels.



BEFORE



AFTER

REMEMBER THE WHOLE SITE IS BEING TREATED!

Red mites can lay dormant for a long time in the most unlikely of places. For effective whole site treatment place a few birds in cages overnight to encourage these residual mites to feed whilst the birds are treated.

This can be repeated on subsequent nights, moving the cages into different locations, such as:

- ▶ Canteen areas
- ▶ Office areas
- ▶ The egg room
- ▶ Other bird-free areas



CONTROL PANELS

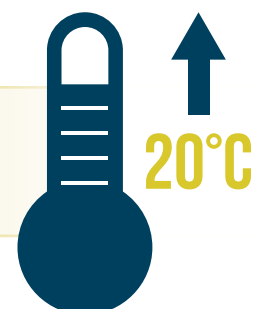
Red mites like to get into electrical control panels. Electric boxes can be left open overnight to encourage all mites to feed. Make sure that employees are informed beforehand and close them again first thing in the morning.



CLEANING EQUIPMENT

Brush heads will inevitably be full of feathers and dirt that will accommodate red mites. Rather than spending lots of time cleaning them, simply place them closer to the birds at night so you make life easier for the mites to get to the birds and take a blood meal.

To promote optimum red mite blood feeding, keep treatment areas above 20°C.



3 | ADHERE TO STRICT BIOSECURITY PRACTICES

- ▶ Before, during and after treatment make sure that good biosecurity processes are followed.
- ▶ During treatment, it's important to regularly wash overalls and clean footwear.
- ▶ Keep footwear and overalls in each shed – if one shed becomes re-infested, don't walk red mites back into clean sheds by failing to change footwear and overalls.



4 | MONITOR RED MITE POPULATIONS USING TRAPS

After treatment it's essential to remain vigilant and routinely monitor for any potential red mite activity. The use of traps can provide an effective and quantitative method of making this assessment.

Try to position the traps between typical red mite cluster sites and where the hens rest; the traps need to be along the pathways that the mites will be travelling.



MIXING AND ADMINISTRATION GUIDE

GETTING STARTED

- ▶ Determine the preferred drinking period for administration
 - between 4h and 24h.
- ▶ Estimate how much water birds will consume during treatment based on their water consumption during the same period the day before.



CALCULATE THE DOSAGE

- ▶ **The correct dose is 0.5 mg fluralaner per kg bodyweight; this is equivalent to 0.05 ml Exzolt per kg bodyweight.**
- ▶ Use this calculation to determine the required Exzolt dose for each administration:

Average individual bird bodyweight (kg)

X

number of birds in group

X

0.05

= ml dose rate for 1 administration

REPEAT THE DOSE 7 DAYS LATER

PREPARING THE SOLUTION

- ▶ Measure the correct dose of Exzolt into a container.
- ▶ Mix the Exzolt with water into a header tank or create a stock solution diluted with drinking water and administer over time using a proportioner or dosing pump.
- ▶ Add product and water simultaneously to avoid foaming.
- ▶ Rinse the container used to measure the Exzolt with water and empty into the medication tank or stock solution.
- ▶ Stir the contents of the header tank or stock solution gently.



START MEDICATION

- ▶ Make sure the dosing pump is properly set to deliver the Exzolt during the predetermined treatment period (hours/day).
- ▶ Prime the drinker lines with medicated water and check to see when medicated water has reached the end of the line.
- ▶ Check and record water consumption on each day of treatment administration and ensure all the Exzolt is consumed.

PRECAUTIONS

- ▶ Avoid contact with skin, eye and mucous membranes.
- ▶ Wear protective gloves at all times while handling the veterinary medicinal product and cleaning the measuring device.
- ▶ Wash hands after use. In case of skin and/or eye contact, immediately rinse with plenty of water.
- ▶ Remove contaminated clothes in the event of a spillage.



**FOR MORE INFORMATION AND ADVICE PLEASE CONTACT
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Further information on
Exzolt can be found here



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Reference: 1. Flochlay-Sigognault A *et al.* Efficacy of fluralaner administered via drinking water against natural *D. gallinae* infestations in layers. American Association of Avian Pathologists Annual Meeting. July 24, 2017. Indianapolis, USA.

Exzolt[®] contains fluralaner. **POM-V**. Further information is available from the SPC, datasheet or package leaflet. MSD Animal Health UK Ltd. Registered office Walton Manor, Walton, Milton Keynes MK7 7AJ, UK. Registered in England & Wales no. 946942. Advice should be sought from the medicine prescriber.

Use Medicines Responsibly.

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