



Harmonix[®]
Poultry Red Mite

Reducing stress, improving welfare, protecting profits

Poultry Red Mite Treatment



Guide to poultry red mite treatment



Improves

Bird Welfare

Bird welfare is key in achieving good profits. Poultry red mite can cause various problems that lead to reduced growth rates of poultry and lower production levels of eggs by as much as 20%*. Poultry red mite can lead to lesions in meat, poor egg shell integrity and egg spotting.

Due to Harmonix® Poultry Red Mite's physical mode of action, it offers fast control of mites and stops them in their tracks. This means birds are mite-free up to 48 hours faster than some alternative chemical controls. Harmonix® Poultry Red Mite is also exempt from biocides product registration and does not need certification for application or a vet prescription. Use of Harmonix® Poultry Red Mite to gain effective control of poultry red mite could lead to:



Reduced stress

- // Stops mites in their tracks
- // Less skin irritation due to reduced biting
- // No removal of birds required

Improved health

- // Poultry red mite carry salmonella, E.coli, listeria
- // Reduced spread of poultry related pathogens

Improved egg quality

- // Reduced shell thinning
- // Reduced egg spotting

Improved meat quality

- // Reduced lesions in meat
- // Aids live weight gain

Improved productivity

- // Improved egg and meat production levels
- // Higher marketable yields



Healthier birds



Better quality eggs & meat



Protected profits



Key Benefits



Improves bird welfare

- // Reduces stress
- // Reduces pathogen and disease transfer
- // Improves general health
- // Improves egg & meat quality
- // Increases productivity



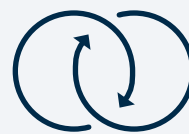
Biosecurity

- // Prevent disease transfer carried by poultry red mites
- // Fast control of poultry red mite prevents the rapid growth of populations
- // Treatment of transport, movable cages and other equipment can prevent mite transfer. These are the main infestation areas of mite populations
- // Ideal product for producers concerned about pesticide contamination



Easy application

- // Dust penetrating formulation breaks through into cracks and crevices
- // No vet prescription required
- // Exempt from biocide product registration, meaning no certification is required for application
- // Can be applied with a knapsack sprayer



Integrated approach

- // Valuable tool for an effective integrated approach including hygiene and prevention
- // No resistance due to physical mode of action
- // Can be used at any stage in the flock cycle - after clean down, before restocking or to treat first signs of infestation in flocks

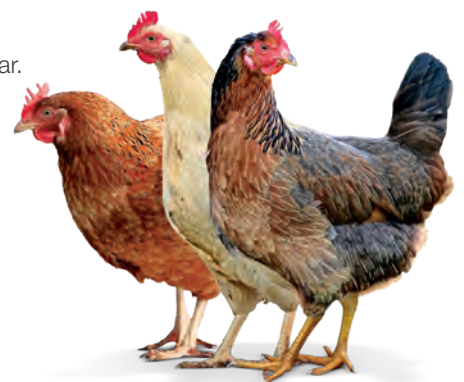
Easy

Application

Harmonix® Poultry Red Mite can be applied in poultry houses and broilers with birds present giving ease of application and avoiding stress caused to birds by moving them. It contains an advanced food grade cellulose polymer and penetrates dusty layers typically found within hen houses. It spreads deep into cracks and crevices that harbour mites. In addition to broilers and laying facilities, transport and transport equipment used to transfer pullet birds should also be targeted, as these are hot spots for poultry red mite transfer.

// Poultry units

<i>Before spraying</i>	Birds do not need to be removed. Ensure all eggs are collected before spraying Harmonix® Poultry Red Mite. To improve spray contact with mites where practical remove belt covers, shrouds and debris etc. to expose mite harbourage areas.
<i>Rate of use</i>	Harmonix® Poultry Red Mite is a concentrate and therefore needs to be diluted in the ratio of 1 litre Harmonix® Poultry Red Mite to 7.5 litres of clean water. 8.5 litres of dilute solution will treat approximately 200m ²
<i>Preparing the sprayer & spray solution</i>	Half fill the sprayer with water, after calculating the treated area, add the required amount of Harmonix® Poultry Red Mite and make up to the final volume with water. Close the sprayer and ensure contents are thoroughly mixed before use. Shake or re-agitate sprayer before use if spraying is interrupted.
<i>Application</i>	Pressurise sprayer and apply spray as a coarse, low pressure spray directed over clusters of mites and crevices/dusty sections where parasites hide or live. Absorbent surfaces require higher rates. Harmonix® Poultry Red Mite should not be sprayed directly onto hens. Using a knapsack sprayer at low pressure apply approximately 75 cm away from the surface to be sprayed. The surface should appear wet just after application.
<i>Notes</i>	It is recommended to re-apply Harmonix® Poultry Red Mite 7-10 days after the 1 st application, or when parasites reappear.



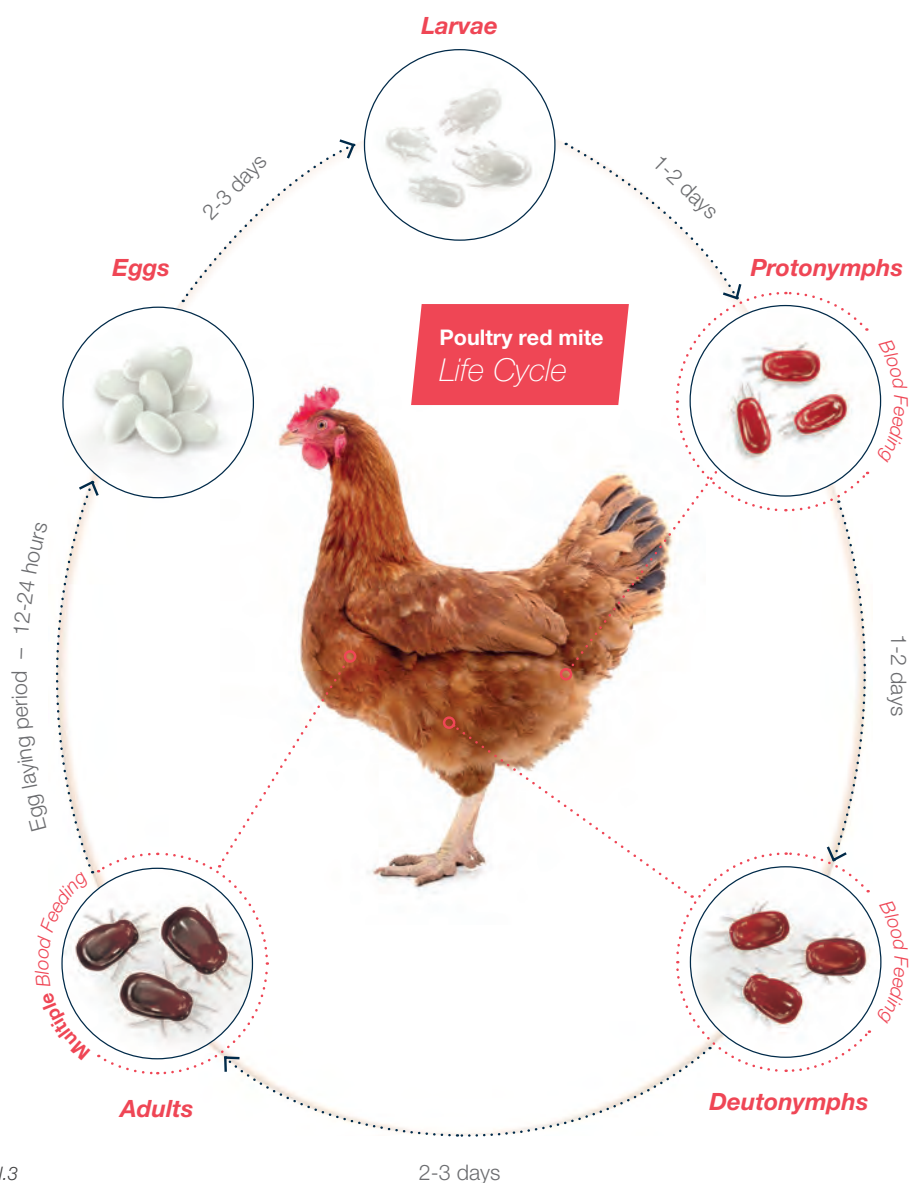
About

Poultry Red Mite

(*Dermanyssus gallinae*)

Key facts

- // Poultry red mite is recognised as the most serious parasite of poultry in Europe
- // Disease transmitting poultry red mite is present in a wide range of avian species and can be transferred from wild birds to poultry
- // Around 90% of UK poultry sheds are estimated to have poultry red mite infestations
- // Populations of poultry red mite can increase rapidly and fast treatment is essential
- // Poultry red mite can survive without feeding and become dormant for months, hiding in cracks and crevices
- // In the worst cases, poultry red mite can consume up to 5% of a hens blood in one night.
- // One bird can carry up to 500,000 poultry red mite
- // 5000 poultry red mite feeding on a bird could reduce its body weight by 1g per day
- // The life cycle of poultry red mite can take between 7 and 17 days depending on the temperature and humidity of the environment



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Harmonix® Poultry Red Mite is exempt from biocide product regulation. It contains Isopropanol, to download a safety data sheet, visit www.environmentalscience.bayer.co.uk.

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