

Electro[®] PSP—for northern fowl mites

(Ornithonyssus sylviarum)



Elanco

Electro[®] PSP

The northern fowl mite is the most common external poultry parasite. Left unchecked, these destructive pests can reduce feed intake, weight gain and egg production¹—and cause irritation to workers. Here's the information you need to protect your birds.

Economic impact:

- Reduce profits 7 to 10 cents per hen (for 10-week period)²
- Reduce egg production by 10% to 15%¹
- Reduce egg weights up to 2.2%²
- Reduce feed efficiency up to 5.7%²
- Reduce weight gain¹
- Cause irritation & stress to birds¹ and workers

Life cycle¹:

Nymph

(Blood-feeding nymphs develop in 1-2 days, then molt into adults in less than a day)

Adult

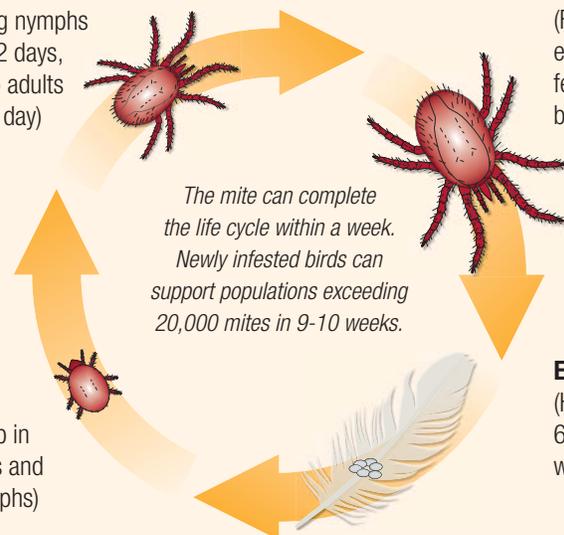
(Females lay 2-5 eggs in fluff of feathers after each blood meal)

Larva

(Non-feeding larvae develop in about 9 hours and molt into nymphs)

Egg

(Hatch into 6-legged larvae within 2 days)



Mites can survive 2-3 weeks off the host.³

Electro PSP

Examining & treating your birds

- Examine the vent area under bright light with feathers parted¹
- Look for soiled feathers in the vent area¹
- Watch for birds exhibiting a pale pink comb²
- Consider time of year (mite populations tend to increase in cooler months) and flock age (infestation is more likely in younger flocks)¹

Benefits of treatment with Electro PSP

- Effective
 - Controls northern fowl mites infesting layers and breeders
 - Direct bird application
 - No cross resistance (pyrethroids, carbamates or organophosphates)
- Innovative
 - One application controls northern fowl mites
 - One application breaks the life cycle
- Excellent safety profile
 - No withholding meat or eggs
 - Eggs do not need to be removed to treat birds
 - No protective equipment required



Increasing mite populations often result in telltale soiling around the vent area, caused by mite eggs, dried blood and excrement.

Directions for use

For control of northern fowl mites (*Ornithonyssus sylviarum*) infesting poultry:

- Dilute 3 fl. oz. of product to 10 gallons of water. Apply no more than 1 gallon of coarse spray per 100 birds to ensure adequate coverage, directed toward the vent area.
- Spray birds in cages (layers) or on the floor (layers/breeders) with a coarse spray. Use a sprayer of appropriate design that is equipped to effectively apply the spray. Ensure adequate coverage of the vent area of the bird with a direct saturation spray for optimum efficacy. Re-application may occur every 14 days as needed.



Cautions, warnings or contraindications:

- Read all directions for use carefully before applying.
- Cover or remove exposed feed and water from the area being treated.
- This product is highly toxic to mollusks. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high-water mark. Do not contaminate water when cleaning or disposing of equipment wash waters.
- Do not apply as a fog or space spray.

¹ "Northern Fowl Mite." Cornell University College of Agriculture and Life Sciences Department of Entomology website. Accessed March 4, 2011. <<http://www.entomology.cornell.edu/cals/entomology/extension/vet/aid/chicken/nfmiter.cfm>>.

² Mullens, B., Owen, J., et al. 2009. "Temporal changes in distribution, prevalence and intensity of northern fowl mite (*Ornithonyssus sylviarum*) parasitism in commercial caged laying hens, with a comprehensive economic analysis of parasite impact." *Vet. Parasit.* 160 (1-2): 116-133.

³ Kaufman, P., Koehler, P., et al. 2006. "Northern Fowl Mite." Entomology and Nematology Department, Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida. Accessed March 4, 2011. <<http://edis.ifas.ufl.edu/ig141>>.

The label contains complete use information, including cautions and warnings. Always read, understand and follow the label and use directions.

It is a violation of federal law to use this product in any manner inconsistent with its labeling. Labeling must be in possession of the user at the time of pesticide application.

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