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Effectiveness of Various Acaricides in the Treatment of Naturally Occurring *Ornithonyssus sylviarum* (Northern Fowl Mite) Infestations of Chickens

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Abstract

Northern fowl mite infestation of caged layers, and to a lesser degree breeding birds, remains a frequent occurrence in poultry production. Successful control of these infestations requires accurate monitoring of mite presence, adequate methods of mite exclusion and removal, and effective as well as timely acaricide application. In the present study, parasiticides currently available for treatment of birds with northern fowl mite infestations were evaluated for effectiveness by index scoring and feather digests; data needed on a regional and periodic basis given the tendency for mite populations to develop and retain resistance. Tetrachlorvinphos with dichlorvos was the most effective product. Malathion dust and an application of 10% garlic oil each resulted in significantly reduced mite populations. Permethrin treatment failed to result in significant reductions of index scores or feather digest mite counts.

Key words

Effectiveness of Various Acaricides in the Treatment of Naturally Occurring *Ornithonyssus sylviarum* (Northern Fowl Mite) Infestations of Chickens

- * northern fowl mite
- * acaricides
- * effectiveness

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