

## Poultry External Parasites

Eric R. Day, Extension Entomologist, Virginia Tech

**Table 2.33 - Caged Layer Treatments**

<b>Pests</b>	<b>Insecticide Active Ingredient [Percent A.I. in Product] (Trade Name)</b>	<b>Mixing and Application Information</b>	<b>Precautions</b>
northern fowl mite <sup>1</sup>	Permethrin [5.7%]	Mix 1 qt product in 25.0 gal of water. Apply 1.0 gal of diluted spray/100 birds. Be sure to treat vent area thoroughly.	Check label for precautions.
lice, mites	Tetrachlorvinphos [50%]	Mix 8.0 lb product in 100 gal of water. Apply at a rate of 1.0 gal solution/100 birds. Spray, vent, and fluff areas from below. Repeat when necessary. For northern fowl mite, use a power sprayer at 100-125 psi.	Do not repeat more often than once every 14 days. Treat roosters carefully and individually to avoid reinfestation of breeding flocks.
	Tetrachlorvinphos [23%] & Dichlorvos [5.3%]	Mix 1.0 gal product in 50.0 gal of water. Apply 1.0 gal of solution/100 birds under high pressure (no less than 100-125 psi) to the vent and fluff areas from below.	Repeat as needed but not more often than once every 14 days. Treat roosters carefully and individually to avoid reinfestation of breeding flocks.
lice, mites	Cumaphos	3.0-6.0 oz/5 gal of water.	3.0-oz rate for mites. 6.0-oz rate for lice.
	Sevin	Mix 4.0 oz/5 gal of water. Use 1 gal/100 birds.	See label.

<sup>1</sup>This treatment will aid in the control of adult house flies.

**Table 2.34 - Litter Treatment**

<b>Pests</b>	<b>Insecticide Active Ingredient [Percent A.I. in Product] (Trade Name)</b>	<b>Mixing and Application Information</b>	<b>Precautions</b>
lice, mites (including northern fowl mite), litter beetles	Tetrachlorvinphos [50%]	Mix 4.0 lbs product in 50.0 gal of water. Apply 1.0-2.0 gal of spray/100 square feet. Can be used as a dry dust. Use 0.75 oz product/100 sq ft. Use a rotary, mechanical or electrostatic duster.	Wear a face mask when applying.
lice, mites	Sevin, Rabon	Follow label	Check label for precautions.

