

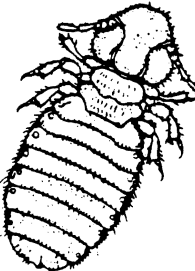
INSECT CONTROL RECOMMENDATIONS

CONTROL SERIES 11

REVISED JANUARY 1981

EXTERNAL PARASITES OF POULTRY

by
J. E. Roberts, Sr.
Extension Specialist, Entomology

Pests	Insecticide and Percent Dilution	How to Mix and Apply ~2	Precautions and Days ~1 Between Last Application and Slaughter
CAGED LAYER TREATMENTS			
 <p>Northern fowl mite and lice</p>	Carbaryl (Sevin) 5% D	No mixing is necessary. Dust birds thoroughly with shaker can or hand-operated crank duster. ~3 Direct dust to vent and fluff areas. Apply 1 lb. per 100 birds. Repeat in 4 weeks if necessary.	Do not apply to poultry or their premises within 7 days of slaughter. Avoid contamination of nests, eggs and feeding and watering troughs.
	Carbaryl (Sevin) 50% WP or 80% S to be diluted as indicated.	To apply to birds use electric fog machine, mix 10 oz. of Sevin 50% WP or 6 oz. of Sevin 80% S in 1 gal. of water. Use 1 1/2 gal. per 1,000 hens.	
	Coumaphos (Co-Bal) ~5	Amt. ~5 gal. water WM - 1 cup of 25% WP Lice - 2 cups of 25% WP Spray directly on birds. Apply 1 gal. per 100 to 125 birds no more than once per week.	
	Malathion 4% or 5% D	No mixing is necessary. Dust birds thoroughly with hand-operated crank duster. ~3 Apply 1 lb. per 100 birds.	0 days
	Malathion 0.5% S	Mix 6 1/4 pt. of 57% EC or 16 lb. of 25% WP in 100 gal. of water. Spray directly on birds. Apply 1 gal. per 100 birds	

EXTENSION DIVISION • VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY • BLACKSBURG, VIRGINIA 24061

Virginia Cooperative Extension Service programs, activities, and employment opportunities are available to all people regardless of race, color, religion, sex, age, national origin, handicap, or political affiliation. An equal opportunity/affirmative action employer.

Issued in furtherance of Cooperative Extension work, Acts of May 8 and June 30, 1914, and September 30, 1977, in cooperation with the U. S. Department of Agriculture, W. R. Van Dresser, Dean, Extension Division, Cooperative Extension Service, Virginia Polytechnic Institute and State University, Blacksburg, Virginia 24061; M. C. Harding, Sr., Administrator, 1890 Extension Program, Virginia State University, Petersburg, Virginia 23803.

Pests	Insecticide and Percent Dilution	How to Mix and Apply -2	Precautions and Days -1 Between Last Application and Slaughter
Lice, Chicken mites, Northern fowl mites	Stirofos (Rabon) 0.5%	Mix 8 lb. of 50% WP Rabon EC per 100 gal. of water. Apply directly on birds, spray vent and fluff areas from below. Repeat when necessary. Treat roosters thoroughly and individually in breeding flocks.	Do not repeat more often than every 14 days.
	Stirofos (Rabon) 23% + Dichlorvos (Vapona) 5.3% (Ravap) Dilute as indicated	Use 1 gal. of Ravap in 50 gal. of water. Apply 1 gal. of solution/100 birds under high pressure (no less than 100-125 psi) to the vent and fluff areas from below.	Repeat when necessary; however, not more often than every 14 days.
LITTER TREATMENT			
Bedbugs, fleas, lice, and mites, including northern fowl mites lesser mealworms (Darking beetles)	Carbaryl (Sevin) -4 5% D	No mixing is necessary. Apply 1 lb. per 40 sq. ft.	Avoid direct contamination of eggs or nest litter. Do not contaminate feed or drinking water. Do not house birds in treated houses within 7 days of slaughter.
Fleas, lice and mites, including northern fowl mites.	Malathion 4% or 5% D	No mixing is necessary. Apply 1 lb. per 50 sq ft.	0 days
	Stirofos (Rabon) 50% WP (not for fleas)	No mixing is necessary. Apply 2.5 oz. per 100 sq. ft. as a dry dust. Treat evenly and thoroughly	
lice, and mites, including northern fowl mites	Stirofos (Rabon) 0.5%	Mix 8 lb. of 50% WP or 2 gal. of 24% Rabon EC per 100 gal. of water. Apply 1 gal. per 1,000 sq. ft. Spray evenly for penetration to litter surface. Spray also thoroughly to walls, roosts, cracks, crevices, and interior.	Same as for lice above

Pests	Insecticide and Percent Dilution	How to Mix and Apply -2	Precautions and Days -1 Between Last Application and Slaughter
SMALL FLOCKS			
Northern fowl mite, and Lice	Carbaryl (Sevin) 50% WP or 80% S to be diluted as directed.	To spray with a knapsack or cylinder type compressed air sprayer, mix 6 oz. of 50% WP or 4 oz. of Sevin 80% S in 5 gal. of spray. Use 1 gal. per 100 hens. Repeat in 4 wks. if necessary.	Do not apply to poultry or their premises within 7 days of slaughter. Ventilate while spraying. Avoid contamination of nests, eggs and feeding and watering troughs.
Feather mite & Lice	Nicotine Sulphate (Black Leaf 40) 40%	Paint a thin coating on tops of roost approx. 1 hr. before roosting time. Use 1 oz. per 15 ft. of roost. Avoid strong drafts, but provide sufficient fresh air for chickens. For feather mite, paint roost three times, three days apart.	Do not use on immature chickens or mothering hens. Avoid contamination of feeding and watering troughs. Follow container directions closely.

- 1 Do not contaminate feed or water with any insecticide used in poultry house.
- 2 Do not underdose with of these insecticides.
- 3 Wear face mask respirator when applying any dust inside poultry house.
- 4 This treatment will aid in the control of the darkling beetle in the litter.
- 5 Do not use this product on animals simultaneously or within a few days before or after treatment with or exposure to cholinesterase inhibiting drugs, pesticides, or chemicals.

AG - Indicates the proper EC formulation for agricultural uses; AI - Active Ingredient; AI/Gal. - Active Ingredient per Gallon; D - Dust; E - Emulsifiable; EC - Emulsifiable Concentrate; EL - Emulsifiable Liquid; F - Flowable; fl. oz. - fluid ounce; G - Granular; gal. - gallon; gal/100 - gallon per 100; in. - inch; IU - International Unit; lb. - pound; lb./gal. - pounds per gallon; LC - Liquid Concentrate; liq. sol. - liquid solution; LS - Liquid Solution or Suspension; MG - Milligram; oz. - ounce; pt. - pint; qts. - quarts; S - Soluble or Sprayable; SC - Soluble Concentrate; SP - Sprayable or Soluble Powder; sq. ft. - square ft.; tbsps. - tablespoon; tsp. - teaspoon; W - Wettable; WP - Wettable Powder

Trade and brand names are used only for the purpose of information and the Virginia Cooperative Extension Service does not guarantee nor warrant the standard of the product, nor does it imply approval of the product to the exclusion of others which may also be suitable.

KEYS TO PROPER USE OF PESTICIDES

1. Read the label on each pesticide container before each use. Follow instructions to the letter; heed all cautions and warnings, and note precautions about residues.
2. Keep pesticides in the containers in which you bought them. Put them where children or animals cannot get to them, preferably under lock and away from food, feed, seed, or other material that may become harmful if contaminated.
3. Dispose of empty containers in the manner specified on the label.

SEE YOUR DOCTOR IF SYMPTOMS OF ILLNESS OCCUR DURING OR AFTER USE OF PESTICIDES.

COOPERATIVE EXTENSION SERVICE
U. S. DEPARTMENT OF AGRICULTURE
VIRGINIA POLYTECHNIC INSTITUTE
AND STATE UNIVERSITY
BLACKSBURG, VIRGINIA 24061

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300

POSTAGE AND FEES PAID
U. S. DEPARTMENT OF AGRICULTURE
AGR-101

Third Class
Bulk Rate

