


# INSECT CONTROL RECOMMENDATIONS

CONTROL SERIES 14

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## FLY CONTROL FOR POULTRY PRODUCERS

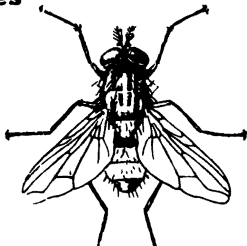
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Pests	Insecticide and Percent Dilution	How to Mix and Apply	Precautions and Days Between Last Application and Slaughter
<b>TREATMENTS FOR THE CONTROL OF FLY MAGGOTS IN DROPPINGS UNDER CAGED LAYERS (LARVICIDES)</b>			
Fly larvae, especially house fly maggots	Dimethoate (Cygon or DeFend) 1%	Use 7 1/2 qts. of 30% EC DeFend or 2 1/2 gals. of 23.4% EC Cygon 2-E. Apply to droppings as coarse spray at rate of 3 gal. per 500 sq. ft.	Do not contaminate feed, poultry litter, or feed troughs. Do not apply to poultry or cages. Well-timed spot treatment of heavy maggot infestation should eliminate the need for blanket applications on a routine basis. Repeat applications as needed. Sanitation such as cleanup of spilled feed outside poultry house should not be overlooked. KEEP MANURE DRY. STOP WATER DRIPS.
	Supona (Coppers' Residual Surface Spray and Larvacide)	Use 1 pt. of 21% EC per 40 gal. of water for cleanup and 1 qt. of 21% EC per 50 gal. for maintenance application. Apply to droppings as coarse low-pressure spray at rate of 1 gal. per 25 sq. ft.	
	Stirofos (Rabon) 1%	Use 4 gal. of 23% EC or 16 lb. of 50% WP per 100 gal. of water. Apply to droppings at rate of 1 gal. per 100 sq. ft.	
	(Ravap) - A commercial mixture of Stirofos (Rabon) 23% + Dichlorvos (Vapona) 5.7%	Use 4 gal. of EC per 100 gal. of water. Apply, as a coarse spray, 1 gal. of solution to every 100 sq. ft. of manure area.	
<b>SPACE TREATMENT FOR CONTROL OF ADULT FLIES IN POULTRY HOUSES</b>			
 Adult flies including all species found in poultry houses	Atroban (WP)	Follow directions on label for WP. Apply spray to fly resting surfaces at the rate of one gallon per 750 sq. ft. - or just short of runoff.	Do not make direct contact with animals, feed, or water. Insure animals, feed, and water are not contaminated by spray drift.
	Ectiban (EC)	Dilute EC, 1 qt. to 12.5 gals. of water. Use 1 gal. diluted spray per 750 sq. ft. of surface of just prior to run-off whichever comes first. Spray directly to walls and ceiling as residual surface treatment only.	Retreat as needed, but not more often than once every two weeks. Do not treat litter. Do not apply directly to poultry.
	(WP)	Dilute WP, 6 oz. to 11 gal. of water. One gal. per 750 sq. ft. of surface or just prior to run-off whichever comes first.	first. Spray directly to walls and ceiling as residual surface treatment only.
	Pyrethrins (.03%) and DDDVP (Py-Vona) prepared aerosol.	Follow directions on label. Apply 2 fluid oz. per 1,000 cu. ft. as a finely atomized spray. Keep room closed 10 minutes following application. Repeat daily, morning and afternoon as needed.	Do not contaminate feed or water. Follow manufacturers' instructions.
	Dichlorvos (Vapona) 20% resin strips	No mixing is necessary. Suspend from ceiling as directed on label, using 1 strip per 1000 cubic ft.	Do not place over feed or water. Keep out of reach of animals and children.

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Pests	Insecticide and Percent Dilution	How to Mix and Apply	Precautions and Days Between Last Application and Slaughter
<b>RESIDUAL SURFACE SPRAY -1</b>			
Adult flies, especially house flies	Malathion 1.0% Maled (Dibrom) 0.28% (Fly Killer D)	Use 1 1/2 gal. of Malathion 57% EC OR 5 pt. of Dibrom 36% EC. Apply not more than 2 gal. per 1,000 sq. ft. or to point of runoff. The addition of 3 oz. of sugar per gal. of water will increase effectiveness.	Birds do not have to be removed from house while spraying. Do not contaminate feed or water.
	Stirofos (Rabon) 1% (Ravap) - A commercial mixture of Stirofos (Rabon) 23% + Dichlorvos (Vapona) 5.7%	Use 4 gal. Rabon 23% EC or 16 lb. 50% WP per 100 gal. of water; OR 1 gallon of Ravap EC in 25 gal. of water. Apply 1 gal. per 1,000 sq. ft.	

**BAITS -2**

Adult flies, especially house flies	Malathion Maled (Dibrom) (Fly Killer D)	Use 4 tbsp. Malathion 57% EC in 1 lb. of granulated sugar (mix thoroughly) OR use 1 1/2 tbsp. Malathion 57% EC in 3 gal. of water + 2 pt. of molasses or syrup OR 1 tsp. Dibrom 36% EC in 1 lb. of granulated sugar (thoroughly mix) OR 2 1/2 tbsp. Dibrom in 3 gal. of water + 1/2 pt. of molasses or syrup. Sprinkle very lightly on aisles, floors, window sills, etc. OR brush on walls, posts, uprights, etc.	Read label and follow directions. Do not contaminate feed or water. Keep out of reach of children, animals, and pets.
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- 1 Residual surface sprays are used for treatment of inside and outside walls and ceilings to kill flies that rest on the treated surfaces.
- 2 Baits are used to kill adult flies. Commercially prepared liquids and/or dry baits are available and should be used according to manufacturer's directions.

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.; tbsp. - 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.