

INSECT CONTROL RECOMMENDATIONS

CONTROL SERIES 9

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EXTERNAL PARASITES OF SHEEP

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Pests	Insecticide and Dilution	How to Mix and Apply	Precautions and Days Between Last Application And Slaughter
DUST			
Lice, ticks (keds)	Malathion (Cythion) 4% dust OR Malathion (Cythion) 5% dust	No mixing necessary. Treat animals thoroughly. Apply by means of hand or power duster.	0 days
SPRAYS OR DIPS -2			
Lice	Coumaphos (Co-Ral) ~2 0.06%	Mix with water in accordance with labels. Read labels carefully.	15 days
Lice, Ticks	Ciodrin 14.4%EC	Spray animals thoroughly. To penetrate wool	Repeat as necessary, but not more often than once every seven days.
Lice, ticks (keds)	Ciovap ~1 0.25% OR	coating, animals must be wetted to the skin. To	Ciodrin - 0 days Ciovap -
Wool Maggots	Diazinon 0.03% OR Dioxathion ~2 (Delnav) 0.15% OR Malathion (Cythion) 0.05%	adequately control lice, it may be necessary to spray animals thoroughly twice at a 10 to 14 day interval.	1 day Diazinon - 14 days. See footnote for precautions on use of Ciovap. Dioxathion - 0 days. Malathion - 0 days.
	Coumaphos (Co-Ral) ~2 0.125%		0 days. See footnote ~3.

- 1 Apply up to one gallon of Ciovap spray solution per animal with a second application 10 to 14 days later.
- 2 Co-Ral and Dioxathion may be applied as a spray or dip.
- 3 Do not apply to sick, convalescent or stressed livestock, or to any animals less than 3 months old except in Federal or State eradication programs. Do not treat animals for 10 days before or after shipping or weaning, or after exposure to contagious and infectious diseases except in Federal or State eradication programs. Do not spray in confined non-ventilated area. Do not apply in conjunction with oral drenches or other internal medication, such as phenothiazine. Co-Ral is a cholinesterase inhibitor. 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.
- * Animals must be wet thoroughly to penetrate wool for control of lice next to the skin. Dipping is most reliable method of eliminating lice on sheep.

SCABIES

Sheep scabies is a disease caused by mange mites. Virginia has been declared free of this disease. Nevertheless, scabies may occur occasionally on sheep in areas that have been declared free of the disease. Scabies suspected on sheep in Virginia should be reported immediately to your county Extension Office or to representatives of the State Veterinarian's office of the Virginia Department of Agriculture and Commerce, Richmond, Virginia. Inspection and diagnosis is a free service. If scabies is positively identified, the necessary treatment will be applied without charge by the Virginia Department of Agriculture and Commerce.

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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.

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