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## EC71-1506 Insect Control Guide for Household and Pets in Nebraska

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## INSECT CONTROL GUIDE FOR HOUSEHOLD AND PETS

### NEBRASKA

R. E. Roselle, L. W. Andersen and D. L. Keith  
Extension Entomologists

### PRECAUTIONS

Insecticides are poisonous chemicals. They create hazards if not handled and stored properly. They can be used safely if the necessary precautions are followed. The following simple rules of safe use should be followed:

1. STUDY THE LABEL: Labels tell you how much to use, when it can be used, how to use, and safety precautions. If in doubt - do not use.
2. KEEP INSECTICIDES IN A SAFE PLACE: Most cases of accidental poisoning by household insecticides occur when children have access to containers. Keep ALL chemicals out of the reach of children, pets, and irresponsible adults. NEVER store in the same area as foods.
3. DO NOT BREATHE DUSTS OR SPRAYS: Make applications with paint brushes where possible. When spraying use a coarse droplet spray.
4. AVOID SPILLING: If spilled on skin, wash at once with soap. If spilled on clothing, change at once. If spilled on floor absorb on paper towels and wash spill with ammonia water.
5. ALWAYS KEEP IN ORIGINAL CONTAINERS: NEVER store insecticides or mixtures in unmarked containers, especially soft drink bottles.
6. DESTROY CONTAINERS: As soon as containers are emptied, destroy by rinsing and puncturing metal cans (EXCEPT AEROSOL CANS) and breaking glass bottles in a strong paper bag, using care to avoid cuts. Aerosol cans (bug bombs) should never be punctured or burned as a dangerous explosion could result. Punctured metal cans, broken glass, aerosol cans, and paper bags should be buried in a safe place or in a sanitary land fill.
7. IN CASE OF POISONING: Take the patient to the nearest hospital or physician. It is important that the physician know what the chemical agent was, so take the container or label along.
8. POISON CONTROL CENTERS: Poison control centers are located at:  
Bryan Memorial Hospital in Lincoln, AC 402-473-3244  
Childrens Memorial Hospital in Omaha, AC 402-553-5400  
Denver General Hospital, Denver, Colorado, AC 303-244-6969  
Poison control centers furnish information primarily to physicians.

### EXTENSION SERVICE

UNIVERSITY OF NEBRASKA COLLEGE OF AGRICULTURE COOPERATING WITH  
THE U. S. DEPARTMENT OF AGRICULTURE AND  
THE COLLEGE OF HOME ECONOMICS

E. F. FROLIK, DEAN

J. L. ADAMS, DIRECTOR

<u>INSECT</u>	<u>INSECTICIDE AND FORMULATION</u>	<u>REMARKS</u>
ANTS	Chlordane 2% spray Lindane 0.5% spray Malathion 3% spray Diazinon 0.5% spray	Spray points of entry, baseboards, cracks, and around windows. Do not allow children or pets on treated areas until dry.
BED BUG	Malathion 3% spray Korlan 1% spray Diazinon 0.5% spray	Treat all cracks and crevices, bed springs, and frames. Spray seams of mattress with malathion. Odor may remain for a short time.
BEEES IN BUILDINGS	Sevin 5% dust or 50% WP Malathion 5% dust DDVP resin strips	Blow dust into openings bees use. Apply after dark and plug holes. Remove honey and dead bees if possible to prevent reinfestation by bees, wax moths, dermestids and other insects. Use DDVP resin strips in voids where bees are nesting.
BOXELDER BUGS	Diazinon 0.5% spray Sevin 2% spray Chlordane 2% spray	Spray bugs where they congregate at foundations.
BROWN DOG TICK	Diazinon 0.5% spray Baygon 1% spray Sevin 5% dust	Use sprays along baseboards and edge of carpets in infested rooms. Spray lightly with non-stain formulations. Dust 5% Sevin around borders of infested rooms, but not in areas accessible to children. Treat dog, dog bedding, and loafing areas regularly with 5% Sevin dust.
CARPET BEETLES AND CLOTHES MOTHS	Chlordane 2% spray Lindane 0.5% spray Diazinon 0.5% spray Malathion 3% spray	Spray infested mats, rugs, or other infested items lightly. Use a non-stain formulation. Do not apply to clothing. Dry clean clothing and store in a tight container with 1 pound of paradichlorobenzene to 100 cubic feet.
CLOVER MITES	Diazinon 25% EC Malathion 57% EC Chlorobenzilate 25% EC Kelthane 18% EC Tedion 12% EC	Use 2 teaspoons of diazinon, chlorobenzilate, Kelthane, or Tedion to 1 gallon water. Use 1 tablespoon malathion to 1 gallon water. Spray sides of homes, foundations, and 8-10 feet into the lawn. Force sprays around window frames. Apply in early fall before migrations to buildings begin.



<u>INSECT</u>	<u>INSECTICIDE AND FORMULATION</u>	<u>REMARKS</u>
COCKROACHES	Diazinon 0.5% spray Korlan (ronnel) 2% spray Baygon 0.5% spray Malathion 3% spray Baygon 2% bait	Treat only areas where roaches hide when lights are on. Behind and under things.
CRICKETS	Chlordane 2% spray Diazinon 0.5% spray Malathion 3% spray Sevin 2% spray	Apply to hiding places, not to large areas in the home. Use diazinon or Sevin mixed with water to spray outside foundation.
FACE FLIES	DDVP 1% solution DDVP 20% resin strip Dibrom (maled) 1% solution	Use aerosols or sprays of 1% DDVP or Dibrom in attics and voids in walls. Hang 20% DDVP resin strips in attics, one per 1000 cu. ft. Inject 1% DDVP or Dibrom around window frames and between studdings
FLEAS	Malathion 3% spray Malathion 5% dust Methoxychlor 5% spray Methoxychlor 10% dust Sevin 5% dust Diazinon 0.5% spray	Spray or dust infested areas lightly. Treat infested animals with Sevin, malathion, pyrethrum, or rotenone pet dusts. Treat pet bedding routinely.
HOUSE FLIES AND MOSQUITOES	Pyrethrin aerosol	Apply in air when flies are present. Close windows and doors, remain out of room until aired. Spray outside of windows and other surfaces where flies congregate.
MILLIPEDES AND SOWBUGS	Malathion 5% dust Sevin 5% dust Sevin 2% spray	Apply around outside foundation and into lawn. Remove grass clippings and leaves from foundation.
SILVERFISH AND BOOK LICE	Chlordane 2% spray Lindane 0.5% spray Malathion 3% spray Diazinon 0.5% spray	Paint or apply coarse spray to baseboards, closets and infested areas.
SPIDERS	Chlordane 2% spray Diazinon 0.5% spray DDVP (Vapona) 0.5% spray Lindane 0.5% spray	Spray top of inner foundation, around basement windows, in infested corners and webs.

<u>INSECT</u>	<u>INSECTICIDE AND FORMULATION</u>	<u>REMARKS</u>
STRAWBERRY ROOT WEEVIL	Chlordane 2% spray Sevin 2% spray	Spray around foundation 8 - 12 feet. Spray into lawn with Sevin.
WASPS	Aerosols containing DDVP, pyrethrins, or methoxychlor.	Apply to nests after dark. if in vegetation use a water base spray to avoid injury to plants.
DOGS AND CATS		
FLEAS, TICKS, AND LICE	Malathion 57% EC	Mix 1 ounce to 1 gallon water. Wet animal by hand sprayer. Do not treat young kittens.
	Malathion 4% dust	Treat with shaker. Do not treat young kittens.
	Sevin 5% dust	Treat with shaker. Do not treat kittens under 4 weeks old.
	Rotenone 1% dust	Treat with shaker or duster.
	Pyrethrins 0.1 to 0.2% dust	Treat with shaker. Destroy fleas as they leave animals.
	Vapona (DDVP) collars	Follow package directions. Watch for irritation.

In some instances trade names have been used to simplify recommendations. No endorsement is implied by the Nebraska Cooperative Extension Service, and no discrimination is intended.

ABBREVIATIONS USED: WP = wettable powder  
EC = emulsifiable concentrate

#### PREPARING DILUTIONS FROM EMULSIFIABLE CONCENTRATES AND WETTABLE POWDERS:

Diazinon 0.5%.....Mix 2 teaspoons 25% diazinon to 1 pint water.  
Chlordane 2%.....Mix 1½ tablespoons 45% chlordane to 1 pint water.  
Malathion 3%.....Mix 1½ tablespoons 57% malathion to 1 pint water.  
Sevin 2%.....Mix 2 cups 50% Sevin wettable powder to 1 gallon water.