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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<br/>AND<br/>FORMULATION</u>  | <u>REMARKS</u>  |
|----------------------------------|---|---|
| ANTS                             | Chlordane 2% spray<br>Lindane 0.5% spray<br>Malathion 3% spray<br>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<br>Korlan 1% spray<br>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<br>Malathion 5% dust<br>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<br>Sevin 2% spray<br>Chlordane 2% spray                                       | Spray bugs where they congregate at foundations.  |
| BROWN DOG TICK                   | Diazinon 0.5% spray<br>Baygon 1% spray<br>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<br>Lindane 0.5% spray<br>Diazinon 0.5% spray<br>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<br>Malathion 57% EC<br>Chlorobenzilate 25% EC<br>Kelthane 18% EC<br>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<br/>AND<br/>FORMULATION</u>  | <u>REMARKS</u>   |
|-------------------------------|---|--|
| COCKROACHES                   | Diazinon 0.5% spray<br>Korlan (ronnel) 2% spray<br>Baygon 0.5% spray<br>Malathion 3% spray<br>Baygon 2% bait                      | Treat only areas where roaches hide when lights are on. Behind and under things.   |
| CRICKETS                      | Chlordane 2% spray<br>Diazinon 0.5% spray<br>Malathion 3% spray<br>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<br>DDVP 20% resin strip<br>Dibrom (maled) 1%<br>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<br>Malathion 5% dust<br>Methoxychlor 5% spray<br>Methoxychlor 10% dust<br>Sevin 5% dust<br>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<br>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<br>SOWBUGS     | Malathion 5% dust<br>Sevin 5% dust<br>Sevin 2% spray  | Apply around outside foundation and into lawn. Remove grass clippings and leaves from foundation.  |
| SILVERFISH AND<br>BOOK LICE   | Chlordane 2% spray<br>Lindane 0.5% spray<br>Malathion 3% spray<br>Diazinon 0.5% spray   | Paint or apply coarse spray to baseboards, closets and infested areas.   |
| SPIDERS                       | Chlordane 2% spray<br>Diazinon 0.5% spray<br>DDVP (Vapona) 0.5% spray<br>Lindane 0.5% spray                                       | Spray top of inner foundation, around basement windows, in infested corners and webs.  |

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