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## EC65-1506 Insect Control Recommendations for Household and Pets in Nebraska

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STUDY THE LABEL

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## INSECT CONTROL RECOMMENDATIONS FOR HOUSEHOLD AND PETS

NEBRASKA

Compiled by 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. Insecticides can enter the body by absorption through the skin, lungs, and by swallowing. The following simple rules of safe use should be followed:

1. **STUDY THE LABEL:** Always study the label before purchasing an insecticide. It will tell how much to use, where it can be used, how to use, and safety precautions that must be followed. If in doubt - do not use.
2. **KEEP INSECTICIDES UNDER LOCK:** Most cases of accidental poisoning by insecticides occur when children have access to containers. Keep ALL of them out of the reach of children, pets, and irresponsible adults.
3. **DO NOT BREATHE DUSTS OR SPRAYS:** Make applications with paint brushes where possible. When spraying, use a coarse droplet spray rather than a mist.
4. **DO NOT SPILL SPRAYS OR DUSTS:** If spilled on skin, wash at once with soap. If spilled on clothing, change at once. If spilled on the ground, remove and bury.
5. **ALWAYS KEEP IN ORIGINAL CONTAINERS:** NEVER store insecticides or mixtures in un-marked containers, especially soft drink bottles.
6. **DESTROY CONTAINERS:** As soon as containers are emptied, destroy by rinsing and puncturing metal cans (except aerosol cans), breaking glass bottles in a strong paper bag, using care to avoid cuts, and burning paper sacks. Aerosol cans (bug bombs) should never be punctured or burned, as a dangerous explosion could result. Punctured metal cans, broken glass, and aerosol cans, should be buried in a safe place or in a sanitary land fill.

EXTENSION SERVICE, UNIVERSITY OF NEBRASKA  
COLLEGE OF AGRICULTURE AND HOME ECONOMICS AND  
U. S. DEPARTMENT OF AGRICULTURE COOPERATING  
E. F. FROLIK, DEAN E. W. JANIKE, DIRECTOR



7. TAKE PATIENT TO A PHYSICIAN: In case of accidental 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.

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

#### HOUSEHOLD INSECTS

INSECT	INSECTICIDE AND FORMULATION	REMARKS
Ants	Chlordane 2 - 3% Dieldrin 0.5% Lindane 0.5% Malathion 2 - 3%	Spray points of entry, baseboards, cracks, and around windows. Do not treat entire walls or floors. Do not allow children or pets on treated areas until dry.
Bed bugs	DDT 5% Malathion 1% Korlan 1%	Treat all cracks and crevices, bed springs, and spray mattresses lightly. Allow mattresses to dry before using. Malathion and Korlan may leave an odor for a short time.
Cockroaches	Diazinon 0.5% (1 tablespoon of 25% EC to 1 pint water) Malathion 2 - 3% Korlan (ronnel) 2% Chlordane 2% Dieldrin 0.5% Lindane 0.5%	Treat only areas where roaches hide when lights are on. Do not treat all wall or floor areas. If cupboards are treated, remove <u>all</u> items. After spray is dry, replace shelf paper before storing foods and utensils. Chlordane, dieldrin and lindane not effective for German roaches.
Carpet beetles and Clothes moths	Chlordane 2% Dieldrin 0.5% Lindane 0.5%  Refer to U.S.D.A. H & G Circular No. 24	Spray 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 Cu. Ft.
Fleas	DDT 5% spray DDT 10% dust	Dust rugs and infested floors. Spray floors and baseboards.

## HOUSEHOLD INSECTS

INSECT	INSECTICIDE AND FORMULATION	REMARKS
Fleas (continued)	Malathion 2% spray Malathion 5% dust Methoxychlor 5% spray Methoxychlor 10% dust	Use insect repellent on legs until fleas are controlled. Treat pets with an approved flea insecticide.
House flies	Pyrethrins 0.25% aerosol  Malathion 2% Dibrom 1% Korlan (ronnel) 2%	Apply into air when flies are present. Close windows and doors, remain out of room until aired. Spray outside of windows and to other surfaces where flies congregate outside the house.
Clover mites	Diazinon 25% EC Malathion 57% EC Chlorobenzilate 25% EC Kelthane 18% EC Dimite 25% EC	Use 2 teaspoons of diazinon, chlorobenzilate, Kelthane, or Dimite to 1 gallon water. Use 1 tablespoon of malathion to 1 gallon water. Spray sides of homes, foundations, and 8 - 10 feet into the lawn thoroughly. Apply in the early fall before migrations to buildings begin.
Crickets	Chlordane 2% DDT 5% DDT 10% dust  Chlordane 45% EC	Apply to hiding places. Do not apply to large areas.  Mix 1 tablespoon to 1 gallon water for spraying around foundation and into lawn.
Silverfish and book lice	Chlordane 2% DDT 5% solution Dieldrin 0.5% Lindane 0.5% Malathion 2% Diazinon 0.5%	Paint or apply coarse spray to baseboards, closets and infested areas. Do not treat entire walls or floors. Do not contaminate dishes or foods. Do not allow children or pets on treated areas until dry.
Millipedes and sowbugs	Malathion 5% dust Sevin 5% dust Zectran 25% WP	Apply malathion or Sevin dust around outside foundation and into lawn. Mix 15 ounces Zectran in 15 gallons water for application around foundation.
Spiders	Chlordane 2% Dieldrin 0.5% Diazinon 0.5%	Spray top of inner foundation, around basement windows and doors, in infested corners and on webs.



## HOUSEHOLD INSECTS

INSECT	INSECTICIDE AND FORMULATION	REMARKS
Wasps	Aerosols containing DDT, TDE, DDVP, chlordane, pyrethrins, or methoxychlor	Apply to nests after dark. If in vegetation use a water base spray to avoid injury to plants.
Bees	Sevin 5% dust or 50% WP Malathion 5% dust or 25% WP	Blow dust into openings bees use. Apply after dark, and plug holes. Remove honey and dead bees if possible, to prevent reinfestation with bees, wax moths, dermestids and other insects.
Face flies	DDVP 1% solution DDVP 20% strips Dibrom 1% solution	Use aerosols or sprays of 1% DDVP or Dibrom in attics and voids in walls. Hang 20% DDVP resin strips in attics, 1 per 1,000 Cu. Ft. space. Inject 1% DDVP or Dibrom around window frames and between studdings.
Powder post beetles	DDT 5% solution Chlordane 2% solution	Treat infested wood with a paint brush or coarse spray. Make 2 applications to saturate wood. Remove finish before making application. General or heavy infestations may require services of a pest control operator.

## PETS

DOGS AND CATS	INSECTICIDE	APPLICATION
Fleas, ticks, and lice	Malathion 57% EC	Mix 1 ounce to 1 gallon water. Wet animal by hand sprayer. 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.
	Malathion 4% dust.	Treat with shaker. Do not treat young kittens.
	Pyrethrins 0.1% to 0.2% dust.	Treat with shaker. Destroy fleas as they leave animal.