

## GENERAL INFORMATION

Speer Insecticide Diazinon is an emulsifiable solution containing 4 lbs. of Diazinon per gallon.

**NOTE:** The solvent used in this formulation is a petroleum distillate which may stain certain plastic, rubber, and asphalt materials such as tiles and floor coverings. Do not treat such materials. Care should also be taken to avoid spotting of wallpaper and fabrics. When used in dwellings, care should be taken to avoid deposits which could be frequently contacted by children. Do not allow children in treated areas until surfaces are dry. Do not contaminate food, food containers, or cooking utensils.

## DIRECTIONS FOR USE

### Household Insects:

Dilute Speer Insecticide Diazinon with water to make a ½ % or 1% spray and apply as indicated below:

Gals. of Finished Spray	Amount of Speer Insecticide Diazinon to Use for	
	½ % Spray	1% Spray
1	1¼ ll. oz.*	2½ ll. oz.
2	2½ ll. oz.	5 ll. oz.
3	3¾ ll. oz.	7½ ll. oz.
10	12½ ll. oz. (2 pts.)	25 ll. oz. (1½ pts.)
25	32 ll. oz. (2 pts.)	64 ll. oz. (4 pts.)

\*2½ tablespoons - 1¼ ll. oz.

### Cockroaches (Waterbugs), Ants, Silverfish:

Make spot applications of ½ % coarse spray or apply with a paint brush to baseboards, areas around water pipes, cracks and crevices, surfaces behind and beneath cabinets, refrigerators, sinks, stoves, and similar areas where these insects hide.

For heavy cockroach infestations, make the first application at a strength of 1%, followed by monthly applications of ½ % spray.

### Carpet beetles:

Apply a ½ % spray in spot applications along baseboards and edges of carpeting, under carpeting and rugs and furniture, in closets and on shelving, and wherever these insects are seen or suspected.

### Spiders and Scorpions:

Apply a ½ % spray around windows, doors, and along baseboards. Make spot applications to other areas over which these pests may crawl.

**Pantry Pests - Exposed Stages (Sawtooth grain beetles, Flour beetle, Rice weevil, Cigarette Beetle, Drugstore beetle, Indian meal moth):** Apply a ½ %

spray to shelves and cupboards where food containers suspected of being infested are stored. Remove all food and shelving paper before spraying. Do not replace the food packages until spray has dried. Cover shelves with shelving paper. This treatment is supplemental to good housekeeping, since it will have no effect on insects breeding within food packages. Infested food packages should be destroyed.

### Brown dog ticks in Buildings:

Make thorough application of a ½ % spray to infested areas around baseboards, window and door frames, wall cracks, sleeping quarters of household pets, and localized areas of floors and floor covering. Fresh bedding should be placed in animal quarters following treatment. Do not treat animals with this formulation.

**APPLICATIONS OF THIS PRODUCT IN THE AREAS OF FOOD AND FEED HANDLING ESTABLISHMENTS, OTHER THAN AS A CRACK AND CREVICE AND SPOT TREATMENT, ARE NOT PERMITTED.**

### FOOD AND FEED HANDLING ESTABLISHMENTS—

Places other than private residence in which food is held, processed, prepared or served.

### FOOD AND FEED AREAS—APPLICATION LIMITED TO CRACK AND CREVICE AND SPOT TREATMENT ONLY

Includes areas of receiving, storage, packing (canning, bottling, wrapping, boxing) preparing, edible waste, storage and enclosed processing systems (mills, dairies, edible oils, syrups). Serving areas (when food is exposed and facility is in operation also would be considered a food area).

**SERVING AREAS—**Facilities where prepared foods are served, such as dining rooms, but excluding areas where foods may be prepared or held.

**NON-FOOD AREAS—**Includes garbage rooms, lavatories, floor drains (to sewers) entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, garages, mop closets and storage (after canning or bottling).

Apply Speer Insecticide Diazinon as either a spot or crack and crevice treatment as directed below. Limit spot treatments to floor surfaces where pests have been seen or where they are suspected of hiding. Limit individual spot treatments to an area no larger than 20 percent of the floor and wall surface. Do not apply to areas, surfaces, or utensils which will come in contact with food. Take extreme care to avoid contamination of food or with food contact surfaces or introducing the material into the air.

**Food and Nonfood Areas: Spot Treatment—**As a spot

Insects	Rate per 1,000 sq. ft. Speer Insecticide Diazinon	Water	Remarks
Lawn Chinch Bugs	2 - 3 fl. oz. or 3 - 6 fl. oz.	25 gals.*	Use higher rate for longer residual control and in lawns of dense growth, such as St. Augustine lawns.
Ants, Armyworms, Clover mites, Springtails (Collembola), Crickets, Cutworms, Digger wasps, Earwigs, Frit flies, Lawn billbugs, Sod webworms (Lawn moth), Sowbugs	4 fl. oz.	3 gals.	Spot spray anthills and wasp ground nest openings. For lawn billbugs, irrigate the lawn thoroughly immediately after treatment. For frit flies, mow grass and water well before treatment but delay application until grass is dry. Do not water again until necessary.
Brown dog ticks, Bermuda mites, Chiggers, Fleas, Leafhoppers	1 1/4 fl. oz.	3 gals.	Do not apply to animals. For brown dog ticks, spray grass and under shrubbery, particularly near house.
Millipedes	8 fl. oz.	3 gals.	
Rhodesgrass scales	5 fl. oz.	25 gals.*	Apply when crawlers first emerge.

\* Application may be made in 3 gals. of water per 1,000 sq. ft. Thoroughly water treated area immediately following application.

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**WARNING**

**KEEP OUT OF REACH OF CHILDREN**

May be fatal if swallowed. May be absorbed through skin. Do not breathe spray mist. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Avoid contamination of food and feed. Keep out of reach of domestic animals. Do not use on humans, household pets, or livestock.

Do not permit children or pets to go onto the sprayed area until spray has completely dried.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish and wildlife. Birds feeding on treated areas may be killed. Keep out of any body of water. Apply this product only as specified on this label.

This pesticide is highly toxic to bees exposed to direct treatment or to residues remaining on the treated area. Do not apply when bees are actively visiting the crop, cover crop, or weeds blooming in the treatment area. Applications should be timed to

provide the maximum possible interval between treatment and the next period of bee activity.

Use contents within six months after opening. Keep tightly closed.

**STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Pesticide, spray mixture, or rinsate that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticides or buried in a safe place away from water supplies. Triple rinse or equivalent, and offer for recycling, reconditioning, or disposal in approved landfill, or bury in a safe place. Consult federal, state, or local disposal authorities for approved alternative procedures such as limited open burning.

**PHYSICAL OR CHEMICAL HAZARDS**

Do not use, pour, spill, or store near heat or open flame.

Speer Insecticide Diazinon is not recommended for use in conduits, motor housings, junction or switch boxes because of shock hazards.

treatment, apply 1/2-1% as a coarse, low pressure fan spray to floor surface areas around water pipes, beneath cabinets, refrigerators, sinks, stoves, storage areas, and similar areas where cockroaches, ants, spiders, and silverfish hide.

**Crack and Crevice Treatment**—As a crack and crevice treatment, use equipment capable of delivering a pin stream of insecticide and apply 1/2-1% directly into such spaces as expansion joints between different elements of construction and between equipment bases and the floor, wall boards or in hollow equipment legs.

These treatments also aid in the control of pantry pests (exposed stages of sawtooth grain beetle, flour beetle, rice weevil, cigarette beetle, drugstore beetle, and Indian meal moth) which come into contact with treated surfaces. Do not use this product in conduits, motor housings, and electrical switch boxes. Repeat applications as necessary.

**Ornamental Insects:**

To control certain insects on ornamentals, such as Arborvitae, Azalea, Birch, Boxwood, Camellia, Chrysanthemum, Douglas Fir, Elm, Gladioli, Hawthorn, Holly, Juniper, Lilac, Locust, Maple, Oak, Pine, Plum, Poplar, Rhododendron, Rose, Spruce, and Willow apply the recommended rates indicated below.

Insects	Amount of Spear Insecticide Diazinon to Use	
	per 3 gals. water	per 100 gals. water
Aphids	1/2 fl. oz.*	1 pt.*
Bagworms		
Carnation bud mites		
Carnation shoot mites		
Clover mites		
Cyclamen mites		
Dipterous leafminers		
European pine shoot moths		
European red mites		
Flea beetles		
Holly bud moths		
Leafhoppers		
Obscure root weevils		
Omnivorous leafhoppers		
Privet mites		
Scale crawlers:		
Cottony cushion		
Lecanium		
Pine needle		
San Jose scale		
Thrips		
Twospotted mites		
Webworms		
Whitellies		

Insects	Amount of Spear Insecticide Diazinon to Use	
	per 3 gals. water	per 100 gals. water
Apple-and-thorn skeletonizers	1 1/2 fl. oz.*	3 pts.*
Coloneaster webworms		
Fall webworms		
Hemlock chermes		
Oak loopers		
Obliquebanded leafrollers		
Pear slugs		
Tent caterpillars		

\*1 fl. oz. = 2 tbsp.; 16 fl. oz. = 1 pt.

Do not use on Ferns, Poinsettia, Hibiscus, Papaya, Pilea, and Gardenia, since injury to the plants may occur.

**Mimosa webworm:** Mix 1/2 fl. oz. (1 tablespoon) in 3 gals. of water (or 1 pt. in 100 gals. of water) and apply as a thorough foliar spray when adults first appear. Make a second and third application at 4-5 week intervals.

**Lawn Insects:**

To control insects listed below, apply recommended rates. For insects such as Ants, Brown dog ticks, Clover mites, Crickets, Earwigs, Fleas, Millipedes, Sowbugs, and Springtails (Collembola), which are commonly found near the house and may enter the house, spray a 5-ft. band of soil around the house, as well as the house foundation wall to a height of 2-3 ft. Repeat application if necessary.

**Boxelder Bugs:**

Spray bugs outside the home with 1 1/4-2 1/2 fl. oz. (2 1/2-5 tablespoons) in 1 gal. of water. At the same time, spray thoroughly around foundation, windows, doors, tree trunks, and into cracks and other places where the insects hide.

