

ONLY FOR SALE TO, USE AND STORAGE BY PEST CONTROL OPERATORS

FOR CONTROL OF COCKROACHES, CERTAIN OTHER HOUSEHOLD PESTS, AND TURF AND ORNAMENTAL PESTS.

GENERAL INFORMATION

Diazinon E-4 is an emulsifiable solution containing 4 lbs of Diazinon per gallon. It is intended for use by pest control operators after dilution with water for the control of those insects listed below.

Diazinon E-4 is not intended for use in preparing oil base sprays. Pest control operators who prefer oil base sprays should use Diazinon OS-4.

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 dwelling, 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.

DO NOT ALLOW ANY CONTACT WITH CARPETING.

FEED AND FOOD HANDLING ESTABLISHMENTS CRACK AND CREVICE AND SPOT TREATMENTS—Places other than private residences, in which food is held, processed, prepared and/or served.

For control of Cockroaches, (Waterbugs), Ants, Spiders, Silverfish, and as an aid in the control of Pantry Pests—exposed stages Sawtooth Grain Beetle, Flour Beetle, Rice Weevil, Cigarette Beetle, Drugstore Beetle, Indian Meal Moth

FOOD AREAS—Includes receiving, serving, storage (Dry, Cold, Frozen, Raw), packaging (cleaning, slicing, cooking, grinding) edible waste storage, enclosed processing systems (mills, dairies, edible oils, syrups)

FEED AND FOOD HANDLING ESTABLISHMENTS—Apply Diazinon E-4 as either a spot of crack and crevice treatment as directed below

SPOT TREATMENT-FOOD AREAS—Limit spot treatments to floor surfaces where pests have been seen or where they are suspected of hiding. Limit individual spot treatments in food areas to an area no larger than 20 percent of the floor. Any individual spot treatment shall not exceed 2 sq. feet. Do not apply to areas, surfaces, or utensils which will come in contact with food. Take extreme care to avoid contamination of food or food contact surfaces or introducing the material into the air.

CRACK AND CREVICE TREATMENT—Apply 1/2-1% Diazinon spray in small amounts directly into cracks and crevices using equipment capable of delivering a pin stream of insecticide. Includes expansion joints, spaces between equipment and floors and openings leading to voids and hollow spaces in walls, equipment legs and bases. Do not use this product in conduits, motor housings, and electrical switch boxes.

Care should be taken to avoid depositing the product onto exposed surfaces or introducing the material into the air. Avoid contamination of food or food processing surfaces.

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

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).

NONFOOD AREAS-SPOT TREATMENT—As a spot 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. 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. Repeat applications as necessary.

HOUSEHOLD INSECTS

Dilute Diazinon E-4 with water to make a 1/2% to 1% Diazinon spray and apply as indicated:

Gals. of Finished Spray	AMOUNT DIAZINON E-4 TO USE FOR:	
	1/2% Spray	1% Spray
1	1.25 fl. oz.*	2.5 fl. oz.
2	2.5 fl. oz.	5.0 fl. oz.
3	3.75 fl. oz.	7.5 fl. oz.
10	12.5 fl. oz.	25.0 fl. oz. (1.6 pts.)
25	32.0 fl. oz. (2.0 pts.)	64.0 fl. oz. (4.0 pts.)

*2 1/2 tablespoons = 1.25 fl. oz.

DO NOT ALLOW CHILDREN IN TREATED AREAS UNTIL SURFACES ARE DRY

Cockroaches (Waterbugs), Ants and Silverfish: Make spot applications of 1/2% Diazinon as a 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% Diazinon, followed by monthly applications of 1/2% Diazinon.

Carpet Beetles: Apply a 1/2% Diazinon 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 1/2% Diazinon spray around windows, doors, and along baseboards. Make spot applications to other areas over which these pests may crawl.

Pantry Pests—exposed stages (Saw-Toothed Grain Beetle, Flour Beetle, Rice Weevil, Cigarette Beetle, Drugstore Beetle, Indian-Meal Moth): Apply a 1/2% 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 1/2% Diazinon spray to infested areas around baseboards, window and door frames, wall cracks, sleeping quarters of household pets, and localized areas of floors and floor coverings. Fresh bedding should be placed in animal quarters following treatment. Do not treat animals with this formulation.

FIRE ANTS

To aid in the control of fire ants in lawns and other recreation areas, apply 1/2 fl. oz. (1 tbsp.) in a minimum of 1 gal. of water as a drench. Apply over and 6 inches around each mound. Apply gently to avoid disturbing ants. Reapply as necessary. Larger quantities of solution can be prepared for multiple mound treatments. Use equipment capable of delivering the diluted product as a gentle rain at the rate of 1 gal. per mound. High pressure sprays may disturb the ants and cause migration, reducing product effectiveness.

NOTE: For best results, apply in cool weather 65-80 F. or in early morning or late evening hours. Treat new mounds as they appear.

ORNAMENTAL INSECTS

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

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

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

RATES OF APPLICATION—ORNAMENTAL INSECTS

Insects	Amount Diazinon E-4 to use:	
	Per 3 Gal. Water	Per 100 Gal. Water
Aphids, Begonia, Carnation, Bull Mites, Carnation Shoot Mites, Clover Mites, Cyclophorus Mites, Dappled Leaf Miners, European Pine Shoot Moths, European Red Mites, Flea Beetles, Holly Bud Moths, Leafhoppers, Obscure Root Weevils, Omeoconus Leaf Tiers, Prunet Mites, Scale, Cramers, Caterpillars—Custard Lecanium, Pine Needle, San Jose Soft Scales, Thrips, Two-Spotted Mites, Webworms, Whiteflies	1/2 fl. oz.*	1 pt.*
Apple and Thorn Skeletonizers, Cottonweaver Webworms, Fall Webworms, Hamlet Chermes, Oak Looper, Oblique-Banded Leaf Roller, Pear Slug, Tent Caterpillar	1 1/2 fl. oz.*	3 pts.*

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

LAWN INSECTS

To control insects listed, apply recommended rates as shown in the table. For Ants, Brown Dog Ticks, Clover Mites, Crickets, Eggheads, Fleas, Millipedes, Sowbugs and Collembola (Springtails) 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.

Beetle Bugs: Spray bugs outside the home with 1 1/2-2 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.

RATES OF APPLICATION—LAWN INSECTS

Insects	Rate per 1,000 sq. ft.		Remarks
	Diazinon E-4	Water	
Lawn Chinch Bugs	2.3 fl. oz. or 3.6 fl. oz.	25 gals.	Use a garden hose with nozzle to spray around perimeter and in areas of dense grass.
Ants, Armyworms, Clover Mites, Collembola (Springtails), Crickets, Cutworms, Digger Wasps, Earwigs, Fruit Flies, Lawn Billbugs, Sod Webworms (Lawn Moths), Sowbugs	4 fl. oz.	25 gals.	Spot spray ant and wasp ground nest openings. For lawn bugs, irrigate the lawn thoroughly immediately after treatment. For Fruit Flies, mow grass and water well. Do not apply until after 5:00 p.m. Do not water again until necessary.
Brown Dog Ticks, Bermuda Mites, Chiggers, Fleas, Leafhoppers	1 fl. oz.	1 gal.	Do not apply to animals. For ticks, spray grass and under shrubbery, particularly near house.
Millipedes	8 fl. oz.	3 gals.	
Rhodes Grass, Scales	5 fl. oz.	3.3 gals.	Apply when crawler first emerges.

BEST DOCUMENT AVAILABLE