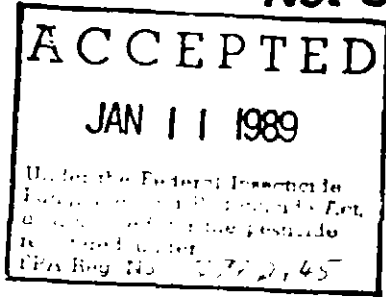


13115 279-2945

Code 3225

This product must not be used on golf courses and sod farms.

Net Contents



Diazinon 4 EC

Insecticide

Only For Sale To, Use and Storage by Agricultural Personnel or Pest Control Operators.

EPA Reg. No. 279-2945

EPA Est. 279-

Active Ingredients:

Diazinon 0,0-Diethyl 0-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate 48.0%

*Inert Ingredients 52.0%

100.0%

Contains 4 pounds Diazinon per gallon. Contains xylene range aromatic solvents.

KEEP OUT OF REACH OF CHILDREN
WARNING

AVISO

PRECAUCION AL USUARIO: Estudie el empaque, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

STATEMENT OF PRACTICAL TREATMENT

If swallowed: Call a physician or Poison Control Center immediately. If possible, vomiting should be induced under medical supervision. Drink one or two glasses of water and induce vomiting by touching the back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

If inhaled: Remove victim to fresh air. Apply artificial respiration if indicated.

If on skin: Remove contaminated clothing and wash affected areas with soap and water.

If in eyes: Flush eyes with plenty of water. Call a physician immediately.

Note to Physician

Solvent presents aspirate hazard. Gastric lavage is indicated if material was taken internally. Diazinon is an organophosphate insecticide. If symptoms of cholinesterase inhibition are present, atropine sulfate by injection, 1-2 mg (2 PAM is also indicated) and may be administered but only in conjunction with atropine.

For Emergency Assistance Call (716) 735-3765

See Other Panels for Additional Precautionary Information

PRECAUTIONARY STATEMENTS

Hazards to Humans (and Domestic Animals)

Warning

May be fatal if swallowed. May be absorbed through the 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 human's, household pets, or livestock. Do not permit children or pets to go into sprayed grass until spray has completely dried.

Environmental Hazards

This product is toxic to fish, birds, and other wildlife. Birds feeding on treated areas may be killed. Keep out of lakes, streams, ponds, tidal marshes, and estuaries (except for effluence from treated watercress beds). Do not apply to water that will be used for recreational purposes and human and livestock consumption. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where fish, shrimp, crab, and other aquatic life are important resources. This product must not be used in areas where impact on threatened endangered species is likely. Contact your State Fish and Game Agency before applying this product. Apply this product only as specified on the 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.

Physical/Chemical Hazards

Do not use or store near heat or open flame.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product through any type of irrigation system.

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

Do not enter treated areas without protective clothing until sprays have dried.

Protective clothing means, at least, a hat or other suitable head covering, a long-sleeved shirt and long-legged trousers or a coverall type garment, a full body cover, a heavy woven fabric covering the body, including the arms and legs, shoes and socks.

Because certain states may require more restricted reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. Inform workers of areas or fields that may not be entered without specific protective clothing, period of time that must be vacated and appropriate actions to take in case of accidental exposure. An example of such information is given under written warnings. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information:

WARNING

Area treated with Diazinon 4 EC. Do not enter without appropriate protective clothing until sprays have dried. Contact State Department of Agriculture's reentry interval if more restrictive.

In case of accidental exposure to pesticide spray or dust, wash the skin thoroughly with soap and water. Remove contaminated clothing and wash before reuse. If in eyes, flush with plenty of water. If inhaled, go to an area where the pesticide has not been applied. Get medical attention if needed.



FMC Corporation
Agricultural Chemical Group
Philadelphia PA 19103

1/16

STORAGE AND DISPOSAL

Pesticide Storage

Do not store below 10°F (-12°C).

Do not use or store near heat, open flame or hot surfaces.

Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place and avoid excess heat. Carefully open containers. After partial use, replace lids and close tightly. Do not put concentrate or dilute material into food or drink containers. Do not contaminate other pesticides, fertilizers, water, food, or feed by storage or disposal.

In case of spill, avoid contact with skin, eyes and keep out of animals and unpermitted persons. Call Pesticide Control (714) 735-3765.

To contain spills, spill the contents into a bucket or absorb with sand or other noncombustible dry material. Cover to prevent dispersal. Place in original package in a leaking container. Identify contents.

Pesticide Disposal

Pesticide wastes are flammable, poisonous, and corrosive. Do not spray mixture or concentrate in open air or outdoors. If these wastes cannot be disposed of by use of the label instructions, contact your state Pesticide Enforcement Control Agency, or the Hazardous Waste Management Unit of the nearest EPA Regional Office for guidance.

Container Disposal

Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and crush for disposal, or by other procedures approved by Federal, State, or local authorities. Do not cut or weld metal containers.

Apply the listed amount per acre when insects first appear and repeat as required to maintain effective control.

Fruit and Nut Crops

Note: Unless otherwise stated, the following rates should be applied as a dilute full cover spray.

Almonds

Mites, Twig Borer. Apply 1 pt. per 100 gals. of water.

Panama Scale Crawlers. Apply 1 qt. per 100 gals. of water. Mix 1 qt. Diazinon 4 EC plus 2 qt. of water per 100 gals. of water and apply as a dormant spray.

Almond hulls may be used for food for livestock.

Apricots

Aphids, Brown Mites, Green Mites, Two-spotted Spider Mites, Olive Scale Crawlers, San Jose Scale Crawlers. Mix 1 pt. per 100 gals. of water. Apply when aphids, mites, and scale crawlers first appear.

Olive Scale Crawlers. Mix 1 pt. of Diazinon 4 EC plus 1 qt. of light medium horticultural oil per 100 gals. of water. Apply when scale crawlers are present.

Leaf-miner Mealybugs. Mix 1 pt. per 100 gals. of water. Apply as a cover spray from petal-fall to June.

Do not apply within 10 days of harvest.

Blueberries

Cranberry Fruitworms, Cherry Fruitworms, Blueberry Mites, Aphids, Trips, Two-spotted Mites. Mix 1 pt. per 100 gals. of water. Apply 50-100 pts. of spray per acre. Do not apply within 7 days of harvest.

Caneberries

Raspberries, Blackberries, Elderberries, Logberries, Sandberries, Leafhoppers, Trips, Aphids, Two-spotted Mites, Cherry Fruitworms. Apply 2 pts. per acre in a minimum of 100 gals. of water.

Raspberry Fruitworms. Apply in the late winter when there is no frost, separate and repeat application in early spring when buds are open.

Cherry Mites. Apply 1 qt. per acre in a minimum of 100 gals. of water. Apply as a dormant spray in early spring when buds are on the ground and birds are gone. Make a second application when the buds are well developed, but do not bloom.

Do not apply within 7 days of harvest.

Raspberry Crown Borer (Logberry Root Borer). Apply 1 pt. per acre in a minimum of 100 gals. of water in a dormant spray in winter and to the lower canes. Apply either in the spring before buds break or in the fall after harvest.

Cherries

Elderberry Bud Moths, Fruit Tree Leafhoppers. Mix 1 pt. per 100 gals. of water. Apply in cover sprays in early spring beginning with petal-fall.

Cherry Fruit Flies. Mix 1 pt. per 100 gals. of water. Make 3 or 4 applications, beginning when adult cherry fruit flies begin to emerge and repeat at 10-day intervals.

Leafhoppers. Apply 1 pt. per 100 gals. of water in 3-5 applications beginning at petal-fall and continuing through the growing season, or apply as infestations develop.

Black Cherry Aphids. Mix 1 pt. per 100 gals. of water. Apply as a cover spray when aphids appear and repeat after 10 days.

San Jose Scale Crawlers. Mix 1 pt. per 100 gals. of water. Apply during the pre-pink stage or when crawlers first appear.

Do not apply within 10 days of harvest.

Cherry Rust Mites. Mix 1 pt. per 100 gals. of water. Apply as a supplemental spray after harvest.

Citrus Fruits

Orangefruit, Lemons, Oranges, Tangerines, Tangelos, Citrus Kumquats, and hybrids of these.

Citrus Aphids, Fruit Tree Leafhoppers, Citrusy Cuckoo, Scale Crawlers, San Jose Scale Crawlers. Apply 1 pt. per 100 gals. of water in a minimum of 100 gals. per acre as a thorough cover spray when aphids and scale crawlers first appear.

Fruit Tree Leafhoppers. Use 1 pt. per 100 gals. of spray in a minimum of 100 gals. per acre when an average of 10 percent of egg clusters are present on the fruit in the spring.

Trips. Apply 1 pt. per 100 gals. of water in a minimum of 100 gals. per acre when they first appear.

San Jose Scale Crawlers. Apply 1 qt. per 100 gals. of water in a minimum of 100 gals. per acre as a dormant spray with spray and again as a summer spray. For heavy scale infestations, use the higher dosage rate. Thorough coverage of tree trunks, limbs, and twigs is essential.

Do not apply during bloom. Do not apply to citrus within 21 days of harvest. Storm and frost may be killed at application rates recommended on the label. Do not apply where there are important resources.

Cranberries

Blackberry Fruitworms. Apply 1 qt. per acre in 400 gals. of water per acre.

Cranberry Fruitworms. Apply 1 qt. in 400 gals. of water per acre.

Do not apply within 7 days of harvest.

Figs

Fig Leaf Miner, Fig Tree Leaf Miner, Fig Tree Leaf Beetles. Apply 1 pt. per 100 gals. of water. Do not apply within 7 days of harvest.

Filberts

Fruit Tree Aphids. Apply 1 qt. per acre in 400 gals. of water per acre as a thorough cover spray.

Grapes

Fruit Tree Mites, Leafhoppers, Grape Berry Moths, and Grape Leaf Hoppers. Use 1 pint per 100 gallons of water and apply as a thorough cover spray. Do not apply 2 pints per acre in sufficient water for thorough coverage. Do not apply within 18 days of harvest. *Drosophila* spp. Mix 1 qt. per acre with 100 gallons of water and apply as a thorough cover spray or apply a maximum of 18 fluid ounces per acre in sufficient water for thorough coverage when insects first appear. Make additional applications at weekly intervals as necessary. Do not apply within 7 days of harvest.

Olives

Olive Scale Crawlers. Mix 1 pt. of Diazinon 4 EC plus 1 qt. of light medium horticultural oil per 100 gals. of water. Apply as a cover spray in June or July.

Do not apply during bloom to avoid injury to pollinating insects, or within 7 days of harvest.

Peaches, Nectarines

Aphids, Brown Mites, Green Mites, Two-spotted Spider Mites, Olive Scale Crawlers, San Jose Scale Crawlers. Mix 1 pt. per 100 gals. of water. Apply when aphids, mites, and scale crawlers first appear.

Olive Scale Crawlers. Mix 1 pt. of Diazinon 4 EC plus 1 qt. of light medium horticultural oil per 100 gals. of water. Apply when scale crawlers are present.

Cherry Fruit Mites. Mix 1 pt. per 100 gals. of water and apply at petal-fall. Make 1 additional application at 10-15 day intervals. Do not apply at or near petal-fall or in fruit with slight green color.

Cherry Twig Borer. Mix 1 pt. per 100 gals. of water and apply to canopies in May and June.

Leafhoppers, Peach Leafhoppers. Apply 1 pt. per 100 gals. of water in 3-5 applications, beginning at petal-fall and continuing through the growing season, or apply as infestations develop.

White Peach Scale Crawlers (Peaches Only). As a pest-free spray, apply 1 qt. per 100 gals. of water from bud break to inside with peak crawler and immature scale activity. Under conditions of heavy infestation, two applications may be necessary.

Do not apply to peaches within 20 days or to nectarines within 10 days of harvest.

Pecans

Aphids, Mites, Pecan Nut Casebearers, Walnut Leafrollers. Apply 1.3 qt./acre as a foliage spray in a minimum of 20 gallons of water. Do not apply after husk crack.

Pineapple

Scale Crawlers. Apply 1 qt. of Eucalyptol at 100 times dilution of either medium horticultural oil or 20 qt. of water per acre. If the application is on the plants growing through plastic.

Mealybugs. Apply 1 qt. per acre in a minimum of 20 gallons of water. May be applied on day of harvest.

Pineapple leaf miner and other mealybugs may be controlled with 1 qt. of water per acre.

Plums, Prunes

Scale, Mites, Pear Mites, European Pear Mites. Apply 1 qt. per acre of water.

Scale on leaves. Apply 1 qt. per acre from April 15 to June 1. Apply 1 qt. per acre of water.

Do not apply within 15 days of harvest.

Strawberries

Aphids, Two-spotted Spider Mite. Apply 1 qt. per acre of water per acre.

Spider mites. Apply 1 qt. per acre of water per acre. Apply 1 qt. per acre of water per acre of water. Apply 1 qt. per acre of water per acre of water. Apply 1 qt. per acre of water per acre of water.

Mealybugs. Broad mite. Apply 1 qt. per acre of water per acre. Apply 1 qt. per acre of water per acre of water. Apply 1 qt. per acre of water per acre of water.

Strawberry leaf miner. Mites. Apply 1 qt. per acre of water per acre. Apply 1 qt. per acre of water per acre of water.

Do not apply within 15 days of harvest.

Walnuts

Aphids, Mites. Apply 1 qt. per acre of water per acre. Apply 1 qt. per acre of water.

Scale on leaves. Apply 1 qt. per acre of water per acre. Apply 1 qt. per acre of water per acre of water.

Do not apply after the first harvest.

Vegetable Foliar Insects

Colorado potato beetle. Apply 1 qt. per acre of water per acre. Apply 1 qt. per acre of water per acre of water. Apply 1 qt. per acre of water per acre of water. Apply 1 qt. per acre of water per acre of water.

Beans

Black Bean Aphid, Broad Bean Beetle

Black Bean Aphid, Broad Bean Beetle. Apply 1 qt. per acre.

Cucumber Beetles. Apply 1 qt. per acre of water per acre.

Do not apply within 15 days of harvest. Beans may be fed to dairy and beef cattle and sheep. Wash 4 days before treatment if beans to be fed to dairy.

Lima Beans

Epilachna Leafminer, Leafhopper, Mites. Apply 1 qt. per acre. Do not apply within 15 days of harvest. Beans may be fed to dairy and beef cattle and sheep. Wash 4 days before treatment if beans to be fed to dairy.

Broccoli, Cabbage, Cauliflower

Aphids, Flea Beetles, Mites, Imported Cabbageworm. Apply 1 qt. per acre. Apply 1 qt. per acre of water. Apply 1 qt. per acre of water. Do not apply to brassica crops within 15 days of harvest.

Brussels Sprouts

Aphids, Imported Cabbageworm, Imported Cabbageworm. Apply 1 qt. per acre. Generally apply after the 15th day of harvest. Wash 4 days before treatment if brassica crops within 15 days of harvest.

Carrots

Aphids. Apply 1 qt. per acre of water per acre within 15 days of harvest.

Celery

Aphids, Flea Beetles. Apply 1 qt. per acre of water per acre. Do not apply within 15 days of harvest. Celery should not be fed to dairy and beef cattle and sheep. Do not apply to brassica crops within 15 days of harvest.

Collards, Kale, Swiss Chard, Turnip Tops

Aphids, Imported Cabbageworm, Imported Cabbageworm, Flea Beetles, Cabbage Bugs. Apply 1 qt. per acre. Do not apply to brassica crops or turnip tops within 15 days of harvest. Swiss chard within 15 days of harvest.

Cucumbers

Aphids, Serpentine Leafminer, Thrips. Apply 1 qt. per acre. Do not apply within 7 days of harvest.

Lettuce, Endive

Aphids, Epilachna Leafminer. Apply 1 qt. per acre. Do not apply within 10 days of harvest.

Melons, Squash

Curl Leaf Miner, Flea Beetle, Flea Beetle, Honeydew Melons, Muskmelons, Boston Melons, and hybrids of these, Watermelons and their hybrids, Summer and Winter Squash.

Aphids, Leafhoppers, Mites. Apply 1.3 qt./acre.

Serpentine Leafminer, Thrips. Apply 1.3 qt./acre.

Do not apply to melons and winter squash within 3 days of harvest or to summer squash within 15 days of harvest.

Mushroom Houses

Mites, Flea Beetles, Flea Beetles, Mites. 1 qt. per acre of water per acre. Apply 1 qt. per acre of water per acre of water. Apply 1 qt. per acre of water per acre of water. Apply 1 qt. per acre of water per acre of water. Apply 1 qt. per acre of water per acre of water.

Do not apply within 15 days of harvest.

Onions

Thrips. Apply 1 qt. per acre. Do not apply within 15 days of harvest.

Peas

Aphids, Epilachna. Apply 1 qt. per acre. Peas may be fed to dairy and beef cattle and sheep. Wash 4 days before treatment if beans to be fed to dairy.

Peppers

Aphids, Serpentine Leafminer. Apply 1 qt. per acre. Do not apply within 15 days of harvest.

Potatoes

Aphids, Flea Beetles, Flea Beetles, Flea Beetles, Epilachna Leafminer. Apply 1 qt. per acre of water per acre.

Colorado potato beetle. Apply 1 qt. per acre of water per acre. Apply 1 qt. per acre of water per acre of water.

Do not apply within 15 days of harvest.

Radishes, Parsnips, Turnips

Aphids, Epilachna, Epilachna Leafminer. Apply 1 qt. per acre. Do not apply within 15 days of harvest.

Spinach, Beets

Aphids, Epilachna Leafminer. Apply 1 qt. per acre. Do not apply to spinach within 15 days of harvest. Beets within 14 days of harvest.

Squash, Summer and Winter

See Melons and Squash.

Sweet Corn

Colorado potato beetle. Apply 1 qt. per acre when silks first appear. Two or three repeat applications at 7-day intervals will usually be needed. Do not apply to brassica crops within 15 days of harvest. Corn may be fed to dairy and beef cattle and sheep.

Refer to the following for information on Foliar Insects and Field and Forage Insects.

Tomatoes

Aphids, Epilachna Leafminer. Apply 1 qt. per acre. Do not apply to brassica crops within 15 days of harvest.

Colorado potato beetle. Apply 1 qt. per acre of water per acre. Apply 1 qt. per acre of water per acre of water.

Do not apply within 15 days of harvest.

Watercress

Mites, Flea Beetles. Apply 1 qt. per acre of water per acre and apply to a minimum of 20 gallons of water per acre. Do not apply to brassica crops within 15 days of harvest. Do not apply to brassica crops within 15 days of harvest. Do not apply to brassica crops within 15 days of harvest.

Vegetable Soil Insects

Colorado potato beetle. Do not apply to brassica crops within 15 days of harvest. Do not apply to brassica crops within 15 days of harvest. Do not apply to brassica crops within 15 days of harvest.

Cutworms (surface and subterranean)

Broccoli	Kale	String Beans
Brussels Sprouts	Lettuce	Squash
Cabbage	Lima Beans	Summer Squash
Cantaloupes	Muscadine	Sweet Corn
Cauliflower	Parsley	Swiss Chard
Celery	Peas	Tomatoes
Collards	Peppers	Watermelon
Cucumbers	Plantain	Winter Squash
Endive Escarole		

Broadleaf 2.4 qt. per acre, or 1 qt. per acre if cutting with fluff immediately. 2.3 qt. for surface cutworms. Do not use for systems near cutworms.

Garden Symphylans (under soil)

Cabbage	Peas	String Beans
Carrots	Plantain	Squash
Corn	Peppers	Summer Squash
Lettuce	Radishes	Sweet Corn

Broadleaf 1.5 qt. per acre, or 0.75 qt. per acre if cutting immediately. With 1 qt. 3.4 qt. for peas. For top of the plant with 1 qt. 3.4 qt. for peas. 2.3 qt. for surface and subterranean cutworms, cutworms, gophers, and wireworms.

Mole Crickets

Broccoli	Endive Escarole	Peas
Brussels Sprouts	Kale	Plantain
Cabbage	Lettuce	Squash
Cantaloupes	Muscadine	Summer Squash
Cauliflower	Peas	Tomatoes
Corn	Peppers	Watermelon

Broadleaf 1.5 qt. per acre when cutting immediately. With 1 qt. 3.4 qt. for peas. For top of the plant with 1 qt. 3.4 qt. for peas. 2.3 qt. for surface and subterranean cutworms, cutworms, gophers, and wireworms.

Onion Maggots

Apply 1.5 qt. per acre when cutting immediately. With 1 qt. 3.4 qt. for peas. For top of the plant with 1 qt. 3.4 qt. for peas. 2.3 qt. for surface and subterranean cutworms, cutworms, gophers, and wireworms.

Root Maggots

Apply 1.5 qt. per acre when cutting immediately. With 1 qt. 3.4 qt. for peas. For top of the plant with 1 qt. 3.4 qt. for peas. 2.3 qt. for surface and subterranean cutworms, cutworms, gophers, and wireworms.

Wireworms

Apply 1.5 qt. per acre when cutting immediately. With 1 qt. 3.4 qt. for peas. For top of the plant with 1 qt. 3.4 qt. for peas. 2.3 qt. for surface and subterranean cutworms, cutworms, gophers, and wireworms.

Southern Potato Wireworms

Apply 1.5 qt. per acre when cutting immediately. With 1 qt. 3.4 qt. for peas. For top of the plant with 1 qt. 3.4 qt. for peas. 2.3 qt. for surface and subterranean cutworms, cutworms, gophers, and wireworms.

Field and Forage Foliar Insects

Apply 1.5 qt. per acre when cutting immediately. With 1 qt. 3.4 qt. for peas. For top of the plant with 1 qt. 3.4 qt. for peas. 2.3 qt. for surface and subterranean cutworms, cutworms, gophers, and wireworms.

Alfalfa, Clover

Spotted Alfalfa Aphids, Yellow Clover Aphids, Pea Aphids, Leafhoppers, Plant Bug Nymphs, Mites. Apply 1-1 pt. per acre.

Grasshoppers. Apply 1 pt. per acre.

Following the above applications, dairy and beef cattle and sheep (1) may be grazed immediately following application, (2) may be fed green alfalfa or clover immediately following cutting, and (3) may be fed hay provided alfalfa or clover is not cut for hay for 7 days following treatment.

Do not spray livestock directly with either air or ground equipment. Do not treat during bloom to avoid injury to pollinating insects.

Clover

Striped Ground Squirrels. Broadleaf 1 qt. per acre, or 0.5 qt. per acre if cutting immediately. With 1 qt. 3.4 qt. for peas. For top of the plant with 1 qt. 3.4 qt. for peas. 2.3 qt. for surface and subterranean cutworms, cutworms, gophers, and wireworms.

Corn

Apply 1.5 qt. per acre when cutting immediately. With 1 qt. 3.4 qt. for peas. For top of the plant with 1 qt. 3.4 qt. for peas. 2.3 qt. for surface and subterranean cutworms, cutworms, gophers, and wireworms.

Corn Rootworm Adults. Apply 1 qt. per acre.

Corn Leaf Aphids. Apply 1.2 pts. per acre. Complete coverage of the upper portions of the plants is essential. Repeat applications as necessary.

Mites. Apply 1 pt. per acre when infestations first appear. Repeat applications as necessary.

Pea Beetles. Apply 1 pt. per acre when infestations first appear. Repeat applications as necessary.

Grasshopper. Apply 1 pt. per acre.

Striped Ground Squirrels. Broadleaf 1 qt. per acre, or 0.5 qt. per acre if cutting immediately. With 1 qt. 3.4 qt. for peas. For top of the plant with 1 qt. 3.4 qt. for peas. 2.3 qt. for surface and subterranean cutworms, cutworms, gophers, and wireworms.

Do not spray livestock directly with either air or ground equipment. Do not treat during bloom to avoid injury to pollinating insects.

Cotton

Striped Ground Squirrels. Broadleaf 1 qt. per acre, or 0.5 qt. per acre if cutting immediately. With 1 qt. 3.4 qt. for peas. For top of the plant with 1 qt. 3.4 qt. for peas. 2.3 qt. for surface and subterranean cutworms, cutworms, gophers, and wireworms.

Apply 1.5 qt. per acre when cutting immediately. With 1 qt. 3.4 qt. for peas. For top of the plant with 1 qt. 3.4 qt. for peas. 2.3 qt. for surface and subterranean cutworms, cutworms, gophers, and wireworms.

Guar

Apply 1.5 qt. per acre when cutting immediately. With 1 qt. 3.4 qt. for peas. For top of the plant with 1 qt. 3.4 qt. for peas. 2.3 qt. for surface and subterranean cutworms, cutworms, gophers, and wireworms.

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Hops

Apply 1.5 qt. per acre when cutting immediately. With 1 qt. 3.4 qt. for peas. For top of the plant with 1 qt. 3.4 qt. for peas. 2.3 qt. for surface and subterranean cutworms, cutworms, gophers, and wireworms.

Peanuts

Apply 1.5 qt. per acre when cutting immediately. With 1 qt. 3.4 qt. for peas. For top of the plant with 1 qt. 3.4 qt. for peas. 2.3 qt. for surface and subterranean cutworms, cutworms, gophers, and wireworms.

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Sorghum

Apply 1.5 qt. per acre when cutting immediately. With 1 qt. 3.4 qt. for peas. For top of the plant with 1 qt. 3.4 qt. for peas. 2.3 qt. for surface and subterranean cutworms, cutworms, gophers, and wireworms.

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Sugar Beets

Beeft Leafhoppers, Dipterous Leafminers, Aphids. Apply 1.1 pt. per acre

Grasshoppers. Apply 1 pt. per acre

Tops may be fed to beef and dairy animals

Sugarcane

Aphids. Apply 1.1 pt. per acre. Allow 1 day between last application and harvest. Bagasse and tops may be fed to livestock

Tobacco

Aphids, Flea Beetles. Apply 1.1 pt. per acre. Do not apply within 3 days of harvest

Grasshoppers. Apply 1 pt. per acre. Do not apply within 14 days of harvest

Field and Forage Soil Insects

Use as otherwise stated. Soil application of Diazinon 4 EC should always be applied to field and forage crops. A minimum of 5 gals. of water per acre for ground applications

Alfalfa, Clover

cutworms (Surface and Subterranean). Broadcast 1.1 pt. per acre just prior to planting. Work into the soil immediately. Do not apply to alfalfa cutworms. 3.6 inches for subterranean cutworm

Corn

Green Rootworm Larvae

Re-emergence Basis Treatment. Apply 1.1 pt. per acre to the soil in a 6-inch row in sufficient water to thoroughly wet 1/2 in. of soil in plant and a narrow band of soil next to the plant. Refer to the following paragraph for amounts recommended per acre. Consider 1.1 and 2.2 in this list as using a disk harrow or similar implement when present. Application should be made at the first sign of green rootworm larvae, but not later than June 24 in the Middle Corn Belt or July 1 in the Northern Corn Belt

Suggested Rates According to Row Spacing

Row Spacing	Linear Feet of Row Area	Recommended Rate per Acre
36"	16,000	1.1 pt.
30"	20,000	1.3 pt.
24"	26,667	1.6 pt.
18"	35,556	2.1 pt.
15"	42,667	2.5 pt.
12"	54,545	3.2 pt.
10"	66,667	3.9 pt.
9"	74,074	4.3 pt.
8"	82,500	4.7 pt.
7"	91,429	5.1 pt.
6"	101,333	5.6 pt.
5"	112,500	6.1 pt.
4"	125,000	6.7 pt.
3"	150,000	8.1 pt.

Note: For row spacing not listed, use the appropriate dosage based on the 4" or 6" row figure

Green Rootworm Larvae. Broadcast 1.1 pt. per acre just prior to planting. Work immediately into soil 2-4 inches

Cutworms (Surface and Subterranean). Broadcast 1.1 pt. per acre. For alfalfa cutworms apply just prior to planting or when green forage is present and immediately work into soil 2-4 inches. Do not apply after harvest

Field and Forage Soil Insects. Apply 1.1 pt. per acre just prior to planting. Work into soil 2-4 inches

Wireworms. Apply 3.4 pt. per acre just prior to planting and immediately work into the soil 4-8 inches

Wireworms. Broadcast immediately with water to a depth of 4-8 inches. May be fed to dairy and beef animals

Cowpeas

Cutworms (Surface and Subterranean). Broadcast 1.1 pt. per acre just prior to planting. Work into the soil immediately. Do not apply to alfalfa cutworms. 3.6 inches for subterranean cutworm

Lespedeza

Cutworms (Surface and Subterranean). Broadcast 1.1 pt. per acre just prior to planting. Work into the soil immediately. Do not apply to alfalfa cutworms. 3.6 inches for subterranean cutworm

Sorghum

Cutworms (Surface and Subterranean). Broadcast 1.1 pt. per acre just prior to planting. Work into the soil immediately. Do not apply to alfalfa cutworms. 3.6 inches for subterranean cutworm

Soybeans

Cutworms (Surface and Subterranean). Broadcast 1.1 pt. per acre just prior to planting. Work into the soil immediately. Do not apply to alfalfa cutworms. 3.6 inches for subterranean cutworm

Sugar Beets

Wireworms. Broadcast 3.4 qts. per acre just prior to planting, and immediately work into soil 4-8 inches

Tops may be fed to beef and dairy animals

Sugarcane

Wireworms. Apply 1 gal. per acre in a 12-inch band centered over the furrow. Make application directly to seed pieces in open furrow at covering time

Tobacco

Wireworms. Broadcast 2.5 qts. per acre before transplanting and immediately work into the soil 2-4 inches

Green June Beetle Larvae. Mix 1.5 pt. in 50 gals. of water and apply as a drench (100 gals. per 100 sq. yds.) to uprooted areas of plant beds with sprinkling can

Milk Chicks. Broadcast 1 qt. per acre when insects are present. Make application to beds or fields 1-2 days prior to sowing of seed or transplanting and immediately work into soil 1-2 inches

Field and Forage Soil Insects. Broadcast 3 pts. per acre, 3-4 weeks before transplanting. Immediately work into soil 2 inches

Wireworms. Broadcast 2.3 qts. per acre, 3-4 weeks before transplanting. Immediately work into soil 6-9 inches

Range, Pasture, and Grassland Insects

Use as otherwise stated. Diazinon 4 EC should always be applied as a spray in a minimum of 1 gal. of water per acre for aerial applications and a minimum of 5 gals. of water per acre for ground applications

Bermudagrass and Forage Grasses (other than Range and Pasture Grasses)

Thrips, Whiteflies, Grasshoppers. Apply 1 pt. per acre

Dairy and beef cattle and sheep (1) may be grazed immediately following application. (2) may be fed green forage immediately following cutting. Forage grasses may be cut for hay 7 days following treatment. Do not repeat application for 30 days

Rangeland, Pasture, Ditch Banks, Roadsides, Wasteland, Noncrop Areas, Barrier Strips

Grasshoppers. Apply 1.1 pt. per acre in water or oil (minimum of 1 gal. of oil per acre) when insects first appear, preferably in the nymphal stage. Thorough coverage of the foliage is essential

Dairy and beef cattle and sheep (1) may be grazed immediately following application. (2) may be fed green forage immediately following cutting and (3) may be fed hay provided grass is not cut for hay for 21 days if the spray is an oil solution. Do not spray livestock directly with either aerial or ground equipment. Do not repeat application for 30 days

Ornamental Insect Control

Do not control certain insects on: Arbutus, Azalea, Birch, Boxwood, Camellia, Catalpa, Chrysanthemum, Douglas Fir, Elm, Gladiolus, Hawthorn, Holly, Juniper, Lilac, Locust, Maple, Oak, Pine, Plum, Poplar, Prunella, Yew, Flower Spruce, and Willow. Apply the recommended rates indicated below

Insects	Rate per 100 gals. water	Rate per 100 gals. water
Aphids, Bagworms, Caterpillars, Bud Mites, Curculionid Weevils, Mites, Leaf Mites, Cyprinid Mites, Dipterous Leafminers, European Pear Tree Scale, Mites, Leafhoppers, Oblique Root Weevils, Omnivorous Leafhoppers, Fleck Mites, Scale, Crawlers, Cottony Cyprinid Lecanium, Pine Needle San Jose Scale, Thrips, Two-spotted Spider Mites, Wireworms, Whiteflies	1 pt.	1 pt.
Apple and Thorn Skeletonizers, Cottony-spider Webworms, Foli Webworms, Hemlock Chermes, Oak Leafhoppers, Oblique-banded Leafhoppers, Pear Saps, Tent Caterpillars	3 pt.	3 pt.
16 fl. oz. = 2 tablespoons, 116 fl. oz. = 1 pint		

Do not apply on Ferns, Poinsettia, Hibiscus, Papaya, Ficus, and Gardenia. No injury to the plants may occur

Mimosa Webworms: Mix 1 fl. oz. 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 Insect Control

To control insects listed below, apply recommended rates. For control of **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.

Insects	Rate 1,000 sq. ft.		Remarks
	Diazinon 4 EC	Water	
Lawn			
Chinch Bugs	2.3 fl. oz. or 3.6 fl. oz.	25 gals.	Use higher rate for open or residual control and control of dense growth such as St. Augustine lawns.
Ants, Army worms, Clover Mites, Springtails (Collembola), Crickets, Cutworms, Digger Wasps, Earwigs, Frit Flies, Lawn Billbugs, Sod Webworms (Lawn Moths), Sowbugs	4 fl. oz.	3 gals.	Spot spray ant hills and wasp ground nest openings.
Brown Dog Ticks, Bermuda Mites, Chiggers, Fleas, Hoppers, Ticks	1.4 fl. oz.	3 gals.	For lawn billbugs, irrigate the lawn thoroughly immediately after treatment.
Millipedes	8 fl. oz.	3 gals.	For fruit flies, mow grass and water well before treatment but delay application until grass is dry. Do not water again until necessary.
Rhodesgrass Scale Crawlers	5 fl. oz.	25 gals.	Do not apply to animals.
			For brown dog ticks, spray grass and under shrubbery particularly near house.
			Apply when crawlers first emerge.

*Or make application in 3 gals. of water per 1,000 sq. ft. and thoroughly water immediately following application.

Boxelder bugs: Spray bugs outside the home with 1.42 fl. oz. (2 1/2 tablespoons) in 1 gal. water. At the same time, thoroughly spray around foundation, windows, doors, tree trunks, and into cracks and other places where the insects hide.

Billbugs, White Grubs: (such as Japanese Beetle Larvae, European Chaffer, Southern Chaffer). Apply 4 fl. oz. per 1,000 sq. ft. of lawn. Water grass thoroughly after application. For grub control, make application any time between late July and early October. For billbug control, apply when activity is first observed or when chewed or brown grass is present, indicating damage from this insect.

Hyperodes Weevil (New York only): Apply 3 fl. oz. per 1,000 sq. ft. of grass. Water grass thoroughly after application. Treat problem areas in mid-April and again in mid-May.

Household Insects

Note: Diazinon 4 EC is not recommended for use in conduits, motor housings, junction or switch boxes because of shock hazard.

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.

(Dilute Diazinon 4 EC with water to make a 1/2% or 1% spray and apply as indicated.)

Gals. of Finished Spray	Amount Diazinon 4 EC Use for	
	1/2% Spray	1% Spray
1	1 1/4 fl. oz.	2 fl. oz.
2	2 1/2 fl. oz.	5 fl. oz.
3	3 3/4 fl. oz.	7 1/2 fl. oz.
10	12 fl. oz.	25 fl. oz. (1 1/2 pts.)
25	32 fl. oz. (2 pts.)	64 fl. oz. (4 pts.)
2 1/2 tablespoons	1 1/4 fl. oz.	

Cockroaches (Waterbugs), Ants, Silverfish: Make spot applications of 1/2% 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 1/2% spray.

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

Pantry Pests—Exposed Stages (Sawtoothed 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% spray to infested areas around baseboards, window and door frames, wall cracks, sleeping quarters of infested pets, and localized areas of floors and floor coverings. Fresh bait spray should be placed in animal quarters following treatment. Do not treat animals with this formulation.

Applications within Food Areas of Food Handling Establishments

Crack and Crevice Treatment Only: Apply a small amount of Diazinon 4 EC solution directly into cracks and crevices such as expansion joints between different elements of construction or between equipment bases and the floor, wall voids or hollow equipment legs where cockroaches, ants, spiders, and silverfish hide. Aids in the control of pantry pests (exposed stages of sawtoothed grain beetle, flour beetle, rice weevil, cigarette beetle, drugstore beetle, and Indian meal moth) which come in contact with treated surfaces. 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.

Use equipment capable of delivering a pin stream of insecticide. Applications of this product in the food areas of food handling establishments, other than as a crack and crevice treatment, are not permitted.

Dealers Should Sell in Original Packages Only.

Terms of Sale or Use: On purchase of this product buyer and user agree to the following conditions:

Warranty: FMC makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Except as so warranted, the product is sold as is. Buyer and user assume all risk of use and of handling and/or storage of this material when such use and/or handling and/or storage is contrary to label instructions.

Directions and Recommendations: Follow directions carefully. Timing and method of application, weather and crop conditions, mixture with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the seller and are assumed by the buyer at his own risk.

Use of Product: FMC's recommendations for the use of this product are based upon tests believed to be reliable. The use of this product beyond the control of the manufacturer, i.e., guarantee, expressed or implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions or established safe practice.

Damages: Buyer's or user's exclusive remedy for damages for breach of warranty or negligence shall be limited to direct damages not exceeding the purchase price paid and shall not include incidental or consequential damages.

