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# diazinon

# Lawn & Garden WBC

Water-Based Concentrate

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

For outdoor use on the home lawn and the home garden only.

Spray concentrate. Contains diazinon insecticide.

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One Pint
Net Contents

Inert Ingredients: 77.6% Total: 100.0%

KEEP OUT OF REACH OF CHILDREN.

# **CAUTION**

See end of booklet for additional precautionary statements.

EPA Reg. No. 100-770

# **Protects**

Lawns Vegetables Fruits and Nuts Roses, Flowers Trees, Shrubs

# **Controls**

Ants, Aphids
Chinch Bugs
Cutworms
Fire Ants¹
Flea Beetles
Grubs, Mites
Sod Webworms
...and many others

'Aids in control

cibo"

ACCEPTED

MAY 221996

Under the Federal Insecticide, Functioned, and Redesticide Act, as anneaded, for the pesticide registered ander EPA Reg. No. 100-720

## EXPECTIONS FOR USE AND CONDITIONS OF SALE AND WARRANTY

IMPORTANT: Read the entire Directions for Use and the Conditions of Sale and Warranty before using this product. If terms are not acceptable, return the unopened product container at once.

#### Conditions of Sale and Warranty

The Directions for Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this prodact. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application all of which are beyond the control of Ciba-Geigy or the Seller, All such risks shall be assumed by the Buyer.

Ciba-Geigy warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use subject to the inherent risks referred to above. Clba-Geigy makes no other express or implied warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall Ciba-Geigy or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this product. Ciba-Geigy and the Seller offer this product, and the Buyer and user accept it, subject to the foregoing Conditions of Sale and Warranty, which may be varied only by agreement in writing signed by a duly authorized representative of Ciba-Gelgy.

#### DIRECTIONS FOR USE

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

FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS Label May result in poor insect control, crop injury, or illegal RESIDUES.

## General Information

Dezen diazinon Lawn & Garden WBC is a water-based concentrate product which must be diluted with water before application. To avoid having spray mixture left over, mix only the amount needed. Refer to the section How to Mix and Apply. This product kills many outdoor insects which damage lawns, roses, flowers, trees, shrubs, vegetables, fruits and nuts, and insects which annoy pets and people. Contains diazinon insecticide which provides positive control of many "hard-to-kill" sucking and chewing insects. Dezen diazinon Lawn & Garden WBC works fast and applications should be repeated only as directed to maintain control.

Notes: (1) Do not use inside the home. (2) Do not use on tems, poinsettia, hibiscus, papaya, pilea, gardenia, or orchids, since injury may occur. (3) Use this product on succulent peas and beans only. Do not use on dried pea or bean varieties. (4) Do not apply to food crops grown in greenhouses.

Precautions: (1) Wear a long-sleeved shirt and long-legged pants when apraying. (2) Spray with the wind to your back. (3) Do not apray on windy days. (4) If clothing becomes wet from spray during use, remove clothing after spraying, wash affected body areas oughly with soap and water, and launder clothing before wearing again.

## 🏂 to Mix and Apply

Step #1: Determine size of spraying job. For lawns and vegetables, measure the area to be sprayed. For all other applications, apply as a thorough cover spray. Make applications when insects first appear. Applications should be repeated only as directed to

Step #2: Use clean sprayer. Carefully measure and mix the amount of D\*z\*n diszinon Lawn & Garden WBC and water as indicated in the rate chart.

Step #3: Spray as directed in rate chart. Thorough coverage is important.

See chart for complete list of use sites, crops, and insects controlled. Use the rate given in the chart for the type of insect you want to control on the site or crop you are spraying.

Step #4: Flush sprayer with clean water after each use.

## **Measurement Conversions**

1 tablespoon = 3 teaspoons

1 fl. oz. = 6 teaspoons or 2 tablespoons

6 ff. cz. = 14 cup

11/2 tablespoons in 3 gals, of water = 11/2 teaspoons in 1 gal, of water

2 tablespoons in 3 gals, of water = 2 teaspoons in 1 gal, of water

## **Lawn Past Control**

## **Precautions**

- 1. Birds, especially waterlowl, feeding or drinking on treated areas may be killed. Apply this product only as specified on this label.
- 2. Because of the migratory habits of certain waterlowl, do not apply in Nassau County, New York, between November 1 and May 20.

- 3. Do not exceed maximum permitted label rates, since rates above those recommended significantly increase potential hazards to birds and waterfowl.
- 4. Avoid overlapping of sprays
- 5. Where irrigation (watering) is recommended in the directions, or if waterlowl (ducks or geese) can be expected in the treated area after treatment (except spot treatment), water lawn with at least 1/4 inch of water immediately after spraying this product; however, stop watering before puddling occurs.

Use on Bent, Bermuda, Bluegrass, Dichondra, Fescue, Merion, and St. Augustinegrass. To control pests listed below, apply recommended rates.

Î	Ra	te	
Postis .	D•z•n	Water	Remarks
Lewn Chinch Bugs	11/2 tablespoons per 125 sq. ft. or	3 gals.	Thoroughly wet cown grass a law hours before applying.
•	6 ff. 0z. per 1,000 sq. ft.	24 gals.	In the North, if Chinch Bugs are the only prob- lem, a lower rate of application can be used: 3 teas-poons in 3 gals. of vatur covers 125 sq. ft. or 4 ft. oz. in 24 gals. of weter pur 1,000 sq. ft.
Ants, Armyworms, Bermudagrass Mites, Clover	11/2 tablespoons per 125 sq. ft. or	3 gals.	Thoroughly wet down grass a few hours before applying.
Mites, Springtails (Collembole), Crickets, Cutworms, Digger Wasps, Earwigs, Frit Files, Lawn Billbugs, Leathoppers,	6 ft. oz. per 1,000 sq. ft.	24 gals.	For ants and digger wasps, spot spray ant hills and wasp ground nest openings. For digger wasps, apply at dusk, when wasps are not active.
Sod Webworms (Lawn Moths), Sowbugs (Pillbugs)		·	Billbug control: Apply when activity is first observed or when chewed or brown grass is present indicating damage from the insect.
			For frit flies, mow grass and water thoroughly before treatment, but delay application until grass is dry.
Brown Dog Ticks, Chiggers, Fleas	11/2 tablespoons per 125 sq. ft. or	3 gais.	Note: Do not apply this product to animals.
	6 fl. oz. per 1,000 sq. ft.	24 gals.	For brown dog ticks, spray grass and under shrubbery, particularly near house.
Hyperodes Weevil	11/2 tablespoons per 125 sq. ft. or	3 gais.	Treat problem areas in mid-April and again in mid-May. Water grass
	6 fi. oz. per 1,000 sq. ft.	24 gals.	thoroughly after application.
Millipedes	11/2 tablespoons per 125 sq. ft.	3 gals.	Thoroughly wet grass a few hours before applying.
	6 fl. oz. per 1,000 sq. ft.	24 gais.	
Rhodesgrass Scales	1 1/2 tablespoons per 125 sq. it. or	3 gais.	Apply when crawlers first emerge.
	6 ff, oz. per 1,000 sq. ft.	24 gais.	
White Grubs of Japanese Beetle, European Chafer,	1½ tablespoons per 125 sq. ft. or	3 gais.	Apply any time between late July and early October, Water grass
Southern Chafer	6 ft, oz. per 1,000 sq. ft,	24 gals.	thoroughly after application.

#### Nulsance Pests Outside the Home

Ants, Boxelder Bugs, Brown Dog Ticks, Chiggers, Clover Mites, Mix 2 fl. oz. in 1 gal. of water and thoroughly spray window and door screens, sills, founda-Cockroaches, Crickets, Earwigs, tions, porch and patio walls, entranceways, Fleas, Flies, Millipedes, Sowbugs walks, garbage cans, tree trunks, and into cracks (Pillbugs), Spiders, Springtails and other places where insects can hide. (Collembole) To prevent entry into houses, spray a 5-ft, band of soil around the house next to the foundation and spray the foundation of the house to a height of 2-3 ft. Repeat application as necessary. Do not treat animals with this product. Do not treat plants (other than tree trunks) at this nuisance pest rate. Fire Ants To aid in the control of fire ants in home lawns and other outdoor home recreation areas, apply 2 tablespoons 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.

insect Control on Ornamental Trees, Shrubs, and Flowers

Spray when listed pests first appear. Repeat as necessary.

Trees and Shrubs	Insects	Rate per 1 Gal. of Water	Timing/Special Directions
Arborvitae, Azaleas, Birch, Boxwood, Camellias, Crab Apple, Dogwood, Douglas Fir, Elm, Euonymus, Hawthorn, Holly, Honey Locust, Honeysuckle, Juniper, Lilac, Locust, Maple, Mimosa, Oak, Pine, Ornamental Plum, Poplar, "bododendron, softch Pine, Spirea, Spruce, Sycamore, Wax Plant (Hoya), Willow-wood, Yew	Aphids, Apple-and-Thorn Skeletonizers, Bagworms, European Pine Sawfly, European Pine Shoot Moths, Holly Bud Moths, Dipterous Leafminers (Arborvitae, Azalea, Birch, Boxwood, Holly, Oalk), Hemleck Chermes, Leafhoppers, Mealybugs, Mites (Ciover, Cyclamen, European Red, Privet, Two-spotted Spider), Oalk Loopers, Oblique- banded Leafrollers, Obscure Root Weevils, Omnivorous Leaf- tiers, Pear Slugs, Scale Crawlers (Cottonycushion, Euonymus, Lecanium, Pine Needle, Pit, San Jose, Soft), Tent Caterpillars, Webworms (Cotoneaster, Fall,	2 tea- spoons	Apply as a thorough foliar spray. Wet leaves and branches to the dripping point. Try to penetrate dense foliage with spray. Mimosa Webworms: apply when adults first appear. Make 2 additional applications at 4 to 5-week intervals.

Juniper, Mimosa), Whitedies

Roses and Flowers	insects	Rate per 1 Gal. of Water	Timing/Special Directions		
Azaleas, Camellias, Chrysanthemums, Carnations, Carnations, Gladioli, Lilac, Lilies, Marigolds, Pansies, Petunias, Rhododendron, Roses	Aphids, Dipterous Leafminers, Eucrymus Scale Crawlers, Flea Beetles, Leafhoppers, Mealybugs, Mites (Carnation Bud, Carnation Shoot, Cyclamen, European Red, Two-spotted Spider), Thrips, Whiteflies	2 tea- spoons	Apply as a thorough foliar spray. Try to spray under- side of leaves and penetrate dense foliage.		

## Fruits and Nuts

Start spraying after blooming. Applications should be made according to infestation or when aphids, mites, and crawler stages of scale insects are first liketed.

Observe stated time intervals between last application and harves, of the crop, as well as intervals between applications and total number of applications that can be made per season.

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33.
21
7
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28
7
21
21
21
21
7
5
45

<sup>\*</sup>PHI = Pre-Harvest Interval, or the number of days between the last application and harvest.

Note: To protect bees, do not apply to fruit trees when trees or substantial numbers of weeds around the trees are in bloom.

Crop	Pest	Rate	Timing/Special Directions
Almonds (CA only)	San Jose Scale, Parlatoria Scale	2 teaspoons in 1 gal. of water	Apply only as a dor- mant spray. Do not apply more than 6 gals. per 500 sq. it. of home orchard.
			This product may be used on almonds only in CA. Do not use this product on almonds grown in other states.
Apricots	Aphids, Apricot Mealybugs, Mites (Brown, Two-spotted Spider), Scale Crawlers (Olive, San Jose)	2 teaspoons in 1 gal. of water	Apply as a full cover apray. Do not apply more than 4 gals, per 500 sq. ft. of home orchard. Do not make more than 3 applications per season a minimum of 14 days apart. Do not apply within 21 days of harvest.

<sup>\* \*</sup>Dormant spray only.

			· · ·
Blueberries	Aphids, Blueberry Maggots, Cherry Fruitworms, Cranberry Fruitworms, Thrips, Two-spotted Spider Mites	2 teaspoons in 1 gal, of water	Apply as a full cover spray. Allow a minimum of 14 days between applications. Do not apply more than 4 gals, per 500 aq. ft. of blueberry patch. Do not make more than 2 applications per season. Allow a minimum of 7 days between the last application and harvest.
Cane- berries (CA, OR, WA only): Black- berries, Boysen- berries, Logan- berries, Rasp- berries	Aphids, Leafhoppers, Raspberry Fruitworms, Two-spotted Spider Mites, Thrips	2 teaspoons in 1 gal, of water	Apply as a full cover spray. Do not apply more than 5 gals. per 500 sq. ft. of caneberry patch. Do not make more than 5 applications per season a minimum of 14 days apart. Do not apply within 7 days of harvest.  This product may be used on caneberries only in CA, OR, and WA. Do not use this product on caneberries grown in other
Cherries	Black Cherry Aphids, Cherry Fruitflies, Cherry Fruitfworms (Maggots), Fruittree Leafrollers, Mites (Cherry Rust), Scale Crawlers (San Jose)	2 teaspoons in 1 gal. of water	Apply as a full cover spray. Do not apply more than 4 gais, per 500 sq. it, of home orchard. Do not make more than 3 applications per season a minimum of 7 days apart. Do not apply within 21 days of harvest.
Grapes	Aphids, Grape Berry Moths, Grape Leaffolders, Leafhoppers	1½ teaspoons in 1 gal. of water	Apply as a full cover spray. Do not apply more than 3 gals, per 500 sq. ft. of home vineyard. Do not make more than 5 applications per season a minimum of 7 days apart. Do not apply within 28 days of harvest.
Nectarines	Aphids, Mites (Brown, Two-spotted Spider), Scale Crawiers (Olive, San Jose)	2 teaspoons in 1 gal. of water	Apply as a full cover spray. Do not apply more than 4 gals, per 500 sq. ft. of home orchard. Do not make more than 3 applications per season a minimum of 14 days apart. Do not apply within 21 days of harvest.
Peaches	Aphids, Mites (Brown, Two-spotted Spider), Scale Crawlers (Olive, San Jose)	2 teaspoons in 1 gal, of water	Apply as a full cover spray. Do not apply more than 4 gals, per 500 aq. ft. of home orchard. Do not make more than 3 applications per season a minimum of 14 days apart. Do not apply within 21 days of harvest.

Piums and Prunes	Aphids (Leafcurt Plum, Meaty Plum, Thistle), Mites (Brown, European Red)	2 teaspoons in 1 gal. of water	Apply as a full cover spray. Do not apply more than 4 gals, per 500 sq. ft. of home orchard. Do not make more than 3 applications per season a minimum of 7 days spart. Do not apply within 21 days of hervest.
Straw- berries	Aphids, Two-apotted Spider Mites, Strawberry Leafrollers	2 teaspoons in 1 gal. of water	Apply as a full cover apray. Do not apply mic a tian 3 gais, per 500 sq. ft. of struwberry patch. Lo not make more than 3 applications per season a minimum of 7 dryp apart. Do not apply within 5 drys of harvest.
Wainuts (CA only)	Aphids, Scale Crawlers (Walnut, Italian Pear, Frosted), Spider Mites, Twig Borers	2 teaspoons in 1 gaf. of water	Apply as a full cover apray. To not apply fixed than 6 gals, per 509 nc. ft. of home orchard. Do not make more than 3 applications per season 14 days apart. Do not apply after husks open or split. Do not apply within 45 days of harvest.
			This product may be used on walnuts only in CA. Do not use this product on walnuts grown in other states.

## .Vegetables

For foliar or soil applications, Dezen diazinon Lawn & Garden WBC should be applied in the volume of water recommended in the table below to assure thorough coverage of the foliage or soil.

Observe stated time intervals between last application and harvest as well as intervals between applications and maximum numbers of applications per season. Do not apply to food crops grown in greenhouses.

## Pre-Harvest Intervals (PHI\*) for Foliar Applications

Стор	PHI* (Days)
Beans <sup>1</sup> (succulent varieties only: Lima, Pole and Snap)	7
Broccoli	7
Cabbage	21
Cantaloupes	3 .
Carrots	14
Casabas	3
Cauliflower	7
Chinese Broccoli, Chinese Cabbage, Collards	10
Crenshaws	3
Cucumbers	7
Indive (Escarole)	14
oneydew Melons	3
Kale	10
Lettuce	14
Muskmeions	3
Onions (Bulb and Green), Parsnips	14
Peas <sup>1</sup>	7
Peppers	5
Persian Melons	3
Potatoes (Irish)	35
Radishes, Rutabagas, Spinach	14
Squash, Summer	7
Squash, Winter	3
Sweet Com	7
Tomatoes	1
Tymips (Roots and Tops)	14
termeions	3

<sup>\*</sup>PHI = Pre-Harvest Interval, or the number of days between the last application and harvest.

# Vegetables

For application to the foliage, thoroughly spray all plant parts. Application to the soil should be mixed into the soil immediately after application.

Crop	Pest	Rate	Timing/Special Directions
Beans, Lima, Pole, and Snap (succulent: varieties only)	Aphids, Cucumber beetles, Grasshoppers, Leafhoppers, Mexican Bean Beetles, Spider Mites	1 teaspoon in 1 gal. of water to cover 500 aq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 5 days up to 3 application be per season. Do not epply within 7 days of harvest.
	Cutworms (surface, subterranean)	6 tablespoons per 500 sq. ft. in a minimum of 1 gal. of water	Spray the soil eventy just before planting, immediately work into soil 2-Cinches for surface in these for subterrational but but worms.
	Mole Crickets	2 tablespoons per 500 sq. ft. in a minimum of 1 gal. of water	Spray the soil even; y 1-2 days before plant- ing. Immediately work in a soil 1-2 inches.
	Wireworms (snap beans only)	6 tablespoons per 500 sq. ft. in a minimum of 1 gal, of water	Sprey tile soil evenly just before planting, fromediately work into soil 4-8 inches.
		. (2) To protect bees	d bean varieties, such as , do not apply bean foliage ment area are in bloom.
Beets, Red (Table)	Cutworms (surface, subterranean)	6 tablespoons per 500 sq. ft. in a minimum of 1 gal. of water	Spray the soil eventy just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.
	Mole Crickets	2 tablespoons per 500 sq. tt. in a minimum of 1 gal. of water	Spray the soil evenly 1-2 days before plant- ing. Immediately work into soil 1-2 inches.
Broccoli	Aphids, Diamondback Moths, Flea Beetles, Imported Cabbageworms, Dipterous Leafminers	1 teaspoon in 1 gal. of water to cover 500 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 7 days of harvest.
			Note: Resistant leaf- miners will not be con- trolled by diazinon or similar type insecti- cides.
Cabbage	Aphids, Diamondback Moths, Flea Beetles, Imported Cabbageworms, Dipterous Leafminers	1 teaspoon in 1 gal, of water to cover 500 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 21 days of harvest.
			Note: Resistant leaf- miners will not be con- trolled by diazinon or similar type insecti- cides.
	Cutworms (surface, subterranean)	6 tablespoons per 500 sq. ft. in a minimum of 1 gal, of water	Spray the soil eventy just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-5 inches for subterranean cutworms.

<sup>&</sup>lt;sup>1</sup> Do not use this product on dried pea or bean varieties, such as pinto beans, dried limas, split peas, or dried black-eyed peas.

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Cabbage (cont.)	Root Maggots  Wireworms	6 tablespoons per 500 sq. ft. in a minimum of 1 gat. of water 6 tablespoons per 500 sq. ft. in a minimum	Spray the soil eventy just before planting. Immediately work into soil 2-3 inches.  Spray the soil eventy just before planting. Immediately work into	Collards	Aphids, Diarnondback Moths, Flea Beetles, Imported Cabbageworms, Dipterous Leafminers	t teaspoon in 1 gal. of water to cover 500 aq. ft, of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 10 days of harvest.  Note: Resistant leafminers will not be con-
Carrots	Aphids,	of 1 gal. of water 1 teespoon in	soil 4-8 inches.  Thoroughly spray all		•		trolled by diazinon or similar type insecti- cices.
	Flea Beetles, Leafhoppers, Dipterous Leafminers, Spider Mites	1 gal, of water to cover 500 sq. ft. of garden	plant parts. Repeat application every? days up to 5 applications per season. Do not apply within 14 days of harvest.  Note: Resistant leaf-miners will not be controlled by diazinon or similar type insecticides.	Corn (see sweet corn) Cucumbers	Aphids, Thrips, Spider Mites	1 teaspoon in 1 gal. of water to cover 500 sq. ft. of garden	Theroughly sprs / xi'- plant parts. Repeat application every 7 Cays up to 5 applications per season. Do not apply within 7 days of rightyest.
<b>")</b>	Cutworms (surface, subterranean)	6 tablespoons per 500 sq. ft. in a minimum of 1 gal. of water	Spray the soil evenly just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.	Endive (Escarole)	Aphids, Fiea Besties, Leafhoppers, Dipterous Leafminers, Spider Mites	1 teaspoon in 1 gail of water to cover 500 sq. it, of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 14 days of harvest.
	Mole Crickets	2 tablespoons per 500 sq. ft. in a minimum of 1 gal, of water	Spray the soil evenly 1-2 days before plant- ing, immediately work into soil 1-2 inches.			,	Note: Resistant leaf- miners will not be con- troiled by diazinon or similar type insecti- cides.
	Wireworms	6 tablespoons per 500 sq. ft, in a minimum of 1 gal, of water	Spray the soil evently just before planting. Immediately work into soil 4-8 inches.	Kale	Aphids, Diamondback Moths, Flea Beetles, Imported Cabbageworms, Dipterous Leatminers	1 teaspoon in 1 gal, of water to cover 500 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 10
Cauliflower	Aphids, Diamondback Moths, Flea Beetles, Imported Cabbageworms, Dipterous Leatminers	1 teaspoon in 1 gal, of water to cover 500 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 7 days of harvest.				days of harvest.  Note: Resistant leaf- miners will not be con- trolled by diazinon or similar type insecti- cides.
)	Antida	1 teaspoon in	Note: Resistant leaf- miners will not be con- trolled by diazinon or similar type insecti- cides.  Thoroughly spray all	Lettuce	Aphids, Flea Beetles, Leafhoppers, Dipterous Leafminers, Spider Mites	1 teaspoon in 1 gal. of water to cover 500 eq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 14
Chinese Broccoli	Aphids, Diamondback Moths, Flea Beetles, Imported Cabbageworms, Dipterous Leafminers	1 teaspoon in 1 gal. of water to cover 500 sq. ft. of garden	plant parts. Repeat application every 7 days up to 5 applica- tions per season. Do not apply within 10 days of harvest.	•.			days of harvest.  Note: Resistant leaf- miners will not be con- trolled by diazinon or similar type insecti- cides.
			Note: Resistant leaf- miners will not be con- trolled by diazinon or similar type insecti- cides.		Cutworms (surface, subterranean)	6 tablespoons per 500 sq. ft. in a minimum of 1 gal. of water	Spray the soil evenly just before planting. Immediately work into soil 2-3 inches for surtace cutworms, 3-6 inches for subterra-
Chinese Cabbage (Bok Choy and Napa)	Aphids, Diamondback Moths, Flea Beetles, Imported Cabbageworms, Dipterous Leafminers	1 teaspoon in 1 gal. of water to cover 500 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 10 days of harvest.	Managari Sanakan ya Managari	Wireworms	6 tablespoons per 500 sq. ft. in a minimum of 1 gal. of water	Spray the soil eventy just before planting. Immediately work into soil 4-8 inches.
			Note: Resistant leaf- miners will not be con- trolled by diazinon or similar type insecti- cides.			•	

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Melons (Canta- loupes, Casabas, Cren- shaws, Honey- dews, Musk- meions, Persians, and	Aphids, Thrips, Spider Mites	I teaspoon in I gal. of water to cover 500 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 3 days of harvest.	Potatoes	Aphids, Flea Beetles, Leafnoppers, Colorado Potato Beetles, Southern Armyworms, Dipterous Leafminers	1 teaspoon in 1 gal. of water to cover 500 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 35 days of harvest.  Note: Resistant leafminers will not be controlled by diazinon or similar type insecti-
Hybrids of these) and Water- melons Onions	Onion Thrips	1 teaspoon in	Thoroughly spray all	Radishes	Aphids, Flea Beeties, Leafhoppers, Imported Cabbageworms, Distance Leafnings	- 1 teaspoon in 1 gai, of water to cover 500 eq. ft. of garden	cides.  Thoroughly spray all plant parts. Repeat application every 7 days up to 3 applications per season. Do not apply within 14
(Bulb and Green)	·	i gal, of water to cover 500 sq. ft. of garden	plant parts. Repeat application every 7 days up to 5 applica- tions per season. Do not apply within 14 days of harvest.	•	Dipterous Leafminers		days of harvest.  Note: Resistant leaf- miners will not be con- trolled by diazinon or similar type insecti- cides.
Paranipa	Aphids, Flea Beetles, Leafhoppers, Dipterous Leafminers, Spider Mites	1 teaspoon in 1 gal, of water to cover 500 sq. ft. of garden	Thoroughly spray all plant parts. Repeat applications every 7 days up to 5 applications per season. Do not apply within 14 days of harvest.  Note: Resistant leaf-		Cutworms (surface, subterranean)	6 tablespoons per 500 sq. ft. in a minimum of 1 gal. of water	Spray the soil eventy just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-8 inches for subterranean cutworms.
			miners will not be con- trolled by diazinon or similar type insecti- cides.	Rutabagas	Aphids, Flea Beetles, Leafhoppers, Imported	1 teaspoon in 1 gal, of water to cover 500 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applica-
Peas (succulent only)	Aphids, Cucumber Beetles, Grasshoppers, Leafhoppers, Mexican Bean Beetles, Spider Mites	1 teaspoon in 1 gal, of water to cover 500 aq, ft, of garden	Thoroughly spray all plant parts. Repeat application every 5 days up to 3 applications per season. Allow at least 7 days between the last application and harvest.			Cabbageworms, Dipterous Leafminers	
•	Cutworms (surface, subterranean)	6 tablespoons per 500 sq. ft. in a minimum of 1 gal. of water	Spray the soil eventy just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.		Cutworms (surface, subterranean)	6 tablespoons per 500 sq. ft. in a minimum of 1 gal, of water	Spray the soil evenly just before planting. Immediately work into soil 2-3 inches for surtace cutworms, 3-6 inches for subterranean cutworms.
,	Mole Crickets	2 tablespoons per 500 sq. ft. in a minimum of 1 gal. of water	Spray the soil eventy 1-2 days before plant- ing. Immediately work into soil 1-2 inches.	Spinach	Aphids, Fiea Beetles, Leafhoppers, Dipterous Leafminers, Spider Mites	1 teaspoon in 1 gal. of water to cover 500 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do
	Wireworms	6 tablespoons per 500 sq. ft. in a minimum of 1 gai, of water	Spray the soil eventy just before planting. Immediately work into soil 4-8 inches.				not apply within 14 days of harvest. Note: Resistant leaf- miners will not be con- trolled by diazinon or similar type insecti-
	split peas or dried black	eyed peas. (2) To p	ed pea varieties, such as rotect bees, do not apply atment area are in bloom.	Squash,	Aphids,	1 teaspoon in	cides. Thoroughly spray all
Pappers	Aphids, Colorado Potato Beetles, Fiea Beetles, Leafhoppers	1 teaspoon in 1 gal. of water to cover 500 eq. ft. of garden	Thoroughly spray alt plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 5 days	Summer	Thrips, Spider Mites	1 gal. of water so cover 500 sq. ft. of garden	plant parts. Repeat application every 7 days up to 5 applica- tions per season. Do not apply within 7 days of harvest.
			of harvest.	Squash, Winter	Aphids, Thrips, Spider Mites	1 teaspoon in 1 gal. of water to cover 500 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 3 days of harvest.

Sweet Corn	Aphids, Thrips, Flea Beetles, Grasshoppers, Spider Mites	I teaspoon in I gal, of water to cover 500 sq. ft. of garden	Thoroughly spray all plant parts. Flepeat application every 7 days up to 5 applications per season. Corn may be picked 7 days following last application.				
	Cutworms (surface, subterranean)	6 tablespoons per 500 sq. ft. in a minimum of 1 gal. of water	Spray the soil evenly just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.				
	Mole Crickets	2 tablespoons per 500 sq. ft. in a minimum of 1 gai, of water	Spray the soil evenly 1-2 days before plant- ing. Immediately work into soil 1-2 inches.				
	Wireworms	6 tablespoons per 500 sq. ft. in a minimum of 1 gal. of water	Spray the soil evenly just before planting. Immediately work into soil 4-8 inches.				
	Note: To protect bees, do not apply to corn foliage during the polien shed period.						
atoes	Aphids, Colorado Potato Beetles, Fall Armyworms, Flea Beetles, Leafhoppers, Southern Armyworms, Vinegar Files (Drosophila spp.)	I teaspoon in I gal, of water to cover 500 aq, ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 1 day of harvest.				
	Cutworms (surface, subterranean)	6 tablespoons per 500 sq. ft. in a minimum of 1 gal. of water	Spray the soil evenly just before planting, immediately work into soil 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.				
į	Wireworms	6 tablespoons per 500 sq. ft. in a minimum of 1 gal, of water	Spray the soil evenly just before planting. Immediately work into soil 4-8 inches.				
Turnips and Turnip Tops	Aphids, Flea Beetles, Leafhoppers, Imported Cabbageworms, Dipterous Leafminers	1 teaspoon in 1 gal. of water to cover 500 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 14 days of harvest.				
			Note: Flesistant leaf- miners will not be con- trolled by diazinon or similar type insecti- cides.				
	Cutworms (surface, subternanean)	6 tablespoons per 500 sq. ft. in a minimum of 1 gal. of water	Spray the soil evenly just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.				

# Storage and Disposal

#### Storag

Store in original container in an area inaccessible to children and pets. If product freezes, place container in a warm room (68°F or above) and allow to thaw. Shake well before using.

# Disposal

Do not pour the concentrate, the spray mixture, or the rinse water down the drain or sewer. Do not reuse empty container. Triple rinse the empty container, pour the rinse water into the sprayer, then spray the area to be treated. Securely wrap empty container in several layers of newspaper and discard in trash. If disposal of a partially full container is necessary, make sure cap is tightly closed, securely wrap the container in several layers of newspaper and discard in trash.

# **Precautionary Statements**

Hazards to Humans and Domestic Animals

#### CAUTION

Harmful if swallowed, inhaled, or absorbed through skin. Avoid contact with eyes, skin, or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Do not use inside the home. Avoid contamination of feed and foodstuffs. Do not use on household pets or humans. Do not allow children or pets to go onto a treated area until the treated area, such as grass or soil, has dried. Do not contaminate ornamental fish ponds. Food utensits, such as spoons and measuring cups, must not be used for food purposes after use in measuring pesticides.

## Statement of Practical Treatment

If swallcwed: Cell a physician or Poison Control Center immediately, Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth if person is unconscious or convulsing.

If in eyes: Flush eyes with plenty of water, Call a physician if irritation persists.

If inhaled: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

If on skin: Wash with plenty of soap and water. Get medical attention.

Note to Physician: This product is an organophosphate insecticide, if symptoms of cholinesterase inhibition are present, atropine sulfate by injection is antidotal. 2-PAM is also antidotal and may be administered, but only in conjunction with atropine. If ingested, induce emesis or lavage stomach.

## Environmental Hazards

This product is highly toxic to birds, fish, and other wildlife. Birds, especially water-towl, feeding or drinking on treated areas may be killed. Because of the migratory habits of certain Atlantic Coast waterfowl, do not apply this product to lawns in Nassau County, New York, between November 1 and May 20. Do not exceed maximum permitted label rates. Application rates above those recommended significantly increase potential hazards to birds and waterfowl. Avoid overlapping of sprays. For lawns, where irrigation (watering) is recommended in the directions, or if waterfowl (ducks or geese) can be expected in the treated area after treatment (except spot treatment), water lawn with at least ¼ inch of water immediately after spraying this product; however, stop watering before puddling occurs. Keep out of takes, streams, ponds, tidal marshes, and estuaries. Do not apply directly to water. Runoff may be hazardous to aquatic organisms in neighboring areas. 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. Do not contaminate water by cleaning of equipment or disposal of equipment wash waters.

This posticide is highly toxic to bees exposed to direct treatment or to residues on blooming crops or weeds. Do not apply this posticide or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

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Ciba Corp Protection
Ciba-Geigy Corporation
Greensboro, North Carolina 27419
CGA 1L141 095

# diazinon

# Lawn & Garden WBC

Water-Based Concentrate

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

For outdoor use on the home lawn and the home garden only.

Spray concentrate. Contains diazinon insecticide.

One Pint
Net Contents

Active Ingredient:
Diazinon: O,O-Diethyl
O-(2-isopropyl-6methyl-4-pyrimidinyl)
phosphorothioate . . . . . . 22.4%

Inert

Ingredients: 77.6%

Total:

100.0%

EPA Reg. No. 100-770

KEEP OUT OF REACH OF CHILDREN.

# **CAUTION**

See side panel for additional precautionary statements.

See full label in booklet under cap for complete directions for mixing and applying this product and a complete list of pests controlled.

# **Protects**

Lawns Vegetables Fruits and Nuts Roses, Flowers Trees, Shrubs

# **Controls**

Ants, Aphids
Chinch Bugs
Cutworms
Fire Ants¹
Flea Beetles
Grubs, Mites
Sod Webworms
...and many others
¹Aids in control

Gilbon"

ACCEPTED

MAY 221996

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the posticide registered under EPA Reg. No. 100-770

- Concentrated
- Broad Spectrum Pest Control
- Less Smell
- Low Odor
- Reduced Odor Formulation
- Easy-to-Mix
- Easy-to-Apply
- Handles Easily
- Dilute and Spray
- Excellent Performance
- Controls soil, foliar, and sucking pests
- Convenient water-based formula
- Concentrated = Better Value
- Protects Home Lawns and Home Vegetable Gardens
- Controls pests in the home lawn and home garden
- · Controls a wide spectrum of pests
- Soil and Foliar Insecticide with Broad Spectrum Control
- Spray on foliage or soil to control numerous pests
- Reliable control
- Covers up to \_\_\_\_\_ sq. ft. of lawn
- Fast acting
- Dependable Control
- Time Tested Insecticide
- Economical
- New Water-Based Formula\*
- Use on home lawns, ornamentals, vegetables and fruits
  - \*The term "new" may be used for no longer than 6 months following product introduction into the marketplace.

# DIRECTIONS FOR USE

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

FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR INSECT CONTROL, CROP INJURY, OR ILLEGAL RESIDUES.

## General Information

D-z-n diazinon Lawn & Garden WBC is a water-based concentrate product which must be diluted with water before application. To avoid having spray mixture left over, mix only the amount needed. This product kills many outdoor pests which damage lawns, roses, flowers, trees, shrubs, vegetables and fruits, and insects which annoy pets and people.

Notes: (1) Do not use inside the home. (2) Do not use on ferns, poinsettia, hibiscus, papaya, pilea, gardenia, or orchids, since plant injury may occur. (3) Use this product on succulent peas and beans only. Do not use on-dried pea or bean varieties. (4) Do not apply to food crops grown in greenhouses.

After spraying, wait the following number of days before harvesting fruits, nuts, or vegetables:

1 day	Tomatoes	
3 days	Melons, Winter Squash	
5 days	Peppers, Strawberries	
7 days	Beans, Blackberries, Blueberries, Boysenberries, Broccoli, Cauliflower, Cucumbers, Dewberries, Loganberries, Peas, Raspberries, Summer Squash, Sweet Corn	
10 days	Chinese Broccoli, Chinese Cabbage, Collards, Kale	
14 days	Carrots, Endive (Escarole), Lettuce, Onions (Bulb and Green), Parsnips, Radishes, Rutabagas, Spinach, Turnips	
21 days	Apricots, Cabbage, Cherries, Nectarines, Peaches, Plums, Prunes	
28 days	Grapes	
35 days	Potatoes (Irish)	
45 days	Walnuts	
*	Almonds (one dormant spray only)	

Precautions: (1) Wear a long-sleeved shirt and long-legged pants when spraying. (2) Spray with the wind to your back. (3) Do not spray on windy days. (4) If clothing becomes wet from spray during use, remove clothing after spraying, wash affected body areas thoroughly with soap and water, and launder clothing before wearing again.

<sup>\*</sup>This table is only a partial listing of the pests controlled by this product. See booklet under cap for complete directions for use and pests controlled.

Problem Area	Pests*		
Nuisance Pests in Outside Areas	Ants, Brown Dog Ticks, Chiggers, Cockroaches, Crickets, Fleas, Fire Ants, Spiders and others*		
Lawns	Chinch Bugs, Ants, Sod Webworms, Brown Dog Ticks, Fleas, White Grubs, Lawn Billbugs, and others*		
Vegetables: Foliar Appli	cation		
Beans, Peas (except dried varieties)	Aphids, Cucumber Beetles, Grasshoppers, Leafhoppers, Mexican Bean Beetles, Spider Mites		
Broccoli, Chinese Broccoli, Cabbage, Chinese Cabbage, Cauliflower, Collards, Kale	Aphids, Flea Beetles, Dipterous Lealminers, Diamondback Moths, Imported Cabbageworms		
Endive (Escarole), Lettuce, Spinach	Aphids, Flea Beetles, Leafhoppers, Dipterous Leafminers, Spider Mites		
Peppers. Tomatoes	Aphids, Colorado Potato Beetles, Fall Armyworms (Tomatoes), Flea Beetles, Leafhoppers, Southern Armyworms (Tomatoes), Vinegar Flies - <i>Drosophila</i> spp. (Tomatoes)		
Onions (Bulb and Green)	Onion Thrips		
Carrots, Parsnips, Potatoes, Radishes, Rutabagas, Turnips	Aphids, Flea Beetles, Leafhoppers, Dipterous Leafminers, Colorado Potato Beetles (Potatoes), Southern Armyworms (Potatoes)		
Sweet Corn	Aphids, Flea Beetles, Grasshoppers, Spider Mites		
Melons, Squash (Summer, Winter)	Aphids, Thrips, Spider Mites		

# D•z•n® Lawn & Garden WBC

<b>Vegetables:</b> Preplant Soil. Beans, Peas (except dried varieties)	Application  Cutworms, Mole Crickets, Wireworms (Snap Beans)
Beets, Red (Table)	Cutworms, Mole Crickets
Cabbage	Cutworms, Root Maggots, Wireworms
Carrots, Sweet Corn	Cutworms, Mole Crickets, Wireworms
.ettuce, fomatoes	Cutworms, Wireworms
Radishes, Rutabagas, Turnips	Cutworms
Fruits & Nuts	•
Almonds .	Scale Crawlers
Walnuts (CA only – both crops)	Aphids, Scale Crawlers, Mites, and others*
Apricots, Peaches, Nectarines	Aphids, Apricot Mealybugs (Apricots), Spider Mites, Scale Crawlers
Blueberries	Aphids, Blueberry Maggots, Cherry Fruitworms, Cranberry Fruitworms, Two-Spotted Spider Mites, Thrips
Cherries	Black Cherry Aphids, Cherry Fruitflies, Cherry Rust Mites, Scale Crawlers, and others*
Plums, Prunes	Aphids, Spider Miteş
Caneberries, Blackberries, Boysenberries, Dewberries, Loganberries, Raspberries (CA, OR, WA only – all crops)	Aphids, Leafhoppers, Two-Spotted Spider Mites, Thrips, Raspberry Fruitworms
Strawberries	Aphids, Two-Spotted Spider Mites, Strawberry Leafrollers
Grapes	Aphids, Grape Berry Moths, Grape Leaffolders, Leafhoppers
Roses & Flowers Azaleas, Cameilias, Chrysanthemums, Carnations, Gladioli, Lilac, Lilies, Marigolds, Pansies, Petunias, Rhododendron, Roses	Aphids, Flea Beetles, Dipterous Leafminers, Leafhoppers, Mealybugs, Two-spotted Spider Mites, Thrips, Whiteflies, and others*

Aphids, Mites, Scale Crawlers, Whiteflies, Tent Caterpillars, and others\*

# Ornamental Trees & Shrubs

Arborvitae, Azaleas, Birch, Boxwood, Camellias, Crab Apple, Dogwood, Douglas Fir, Elm, Euonymus, Hawthorn, Holly, Honeysuckle,

Honey Locust, Juniper, Lilac, Locust, Maple,

Mimosa, Oak, Pine, Ornamental Plum,

Poplar,

Rhododendron, Scotch Pine, Spirea, Spruce, Sycamore,

Wax Plant (Hoya), Willow, Yellowwood, Yew

# Storage and Disposal

## Storage

Store in original container in an area inaccessible to children or pets. If product freezes, place container in a warm room (68°F or above) and allow to thaw. Shake well before using.

## Disposal

Do not pour the concentrate, the spray mixture, or the rinse water down the drain or sewer. Do not reuse empty container. Triple rinse the empty container, pour the rinse water into the sprayer, then spray area to be treated. Securely wrap empty container in several layers of newspaper and discard in trash. If disposal of a partially full container is necessary, make sure cap is tightly closed, securely wrap the container in several layers of newspaper and discard in trash.

# **Precautionary Statements**

# Hazards to Humans and Domestic Animals CAUTION

Harmful if swallowed, inhaled, or absorbed through skin. Avoid contact with eyes, skin, or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Do not use inside the home. Avoid contamination of feed and foodstuffs. Do not use on household pets or humans. Do not allow children or pets to go onto a treated area until the treated area, such as grass or soil, has dried. Do not contaminate ornamental fish ponds. Food utensils, such as spoons and measuring cups, must not be used for food purposes after use in measuring pesticides.

## Statement of Practical Treatment

If swallowed: Call a physician or Poison Control Center immediately. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth if person is unconscious or convulsing.

If in eyes: Flush eyes with plenty of water. Call a physician if irritation persists.

If inhaled: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

If on skin: Wash with plenty of soap and water. Get medical attention.

Note to Physician: This product is an organophosphate insecticide. If symptoms of cholinesterase inhibition are present, atropine sulfate by injection is antidotal. 2-PAM is also antidotal and may be administered, but only in conjunction with atropine. If ingested, induce emesis or lavage stomach.

## **Environmental Hazards**

This product is highly toxic to birds, fish, and other wildlife. Birds, especially waterfowl, feeding or drinking on treated areas may be killed. Because of the migratory habits of certain Atlantic Coast waterfowl. do not apply this product to lawns in Nassau County, New York, between November 1 and May 20. Do not exceed maximum permitted label rates. Application rates above those recommended significantly increase potential hazards to birds and waterfowl. Avoid overlapping of sprays. For lawns, where irrigation (watering) is recommended in the directions, or if waterfowl (ducks or geese) can be expected in the treated area after treatment (except spot treatment), water lawn with at least 1/4 inch of water immediately after spraying this product; however, stop watering before puddling occurs. Keep out of lakes, streams. ponds, tidal marshes, and estuaries. Do not apply directly to water. Runoff may be hazardous to aquatic organisms in neighboring areas. 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. Do not contaminate water by cleaning of equipment or disposal of equipment wash waters.

This pesticide is highly toxic to bees exposed to direct treatment or to residues on blooming crops or weeds. Do not apply this pesticide or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

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