



DIAZINON AG-4 INSECTICIDE

WARNING Keep out of reach of children.

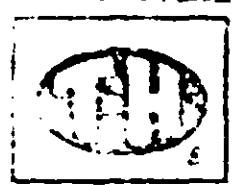
ACTIVE INGREDIENTS:	
O,O-Diethyl O-(2-isopropyl-6-4-pyrimidinyl)	48.00%
phosphorothioate	39.80%
Xylene	12.20%
INERT INGREDIENTS:	
Total	100.00%

SEE ATTACHED BOOKLET FOR USE RECOMMENDATIONS & OTHER PRECAUTIONS.

Diazinon AG-4 contains 4 lbs. Diazinon per gallon.
DIAZINON — Trademark of Ciba-Geigy Corporation.

CAUTION: FLAMMABLE MIXTURE. DO NOT USE, POUR, SPILL OR STORE NEAR HEAT OR OPEN FLAME.

EPA Reg. No. 148-1137 CC-9-74 EPA Est. No. 148-CA-1



48.00%
39.80%
12.20%

Fish and Wildlife Caution:

This product is toxic to fish and wildlife. Birds feeding on treated areas may be killed. Keep out of any body of water. Do not apply when weather conditions favor drift from areas treated or where runoff is likely to occur. Do not contaminate water by cleaning of equipment or disposal of waste. Apply this product only as specified on this label.

This product is highly toxic to bees exposed to direct treatment or residues on crops. Protective information may be obtained from your Cooperative Agricultural Extension Service. Do not reuse empty container. Destroy by perforation or crushing and burying in a safe place.

Shrimp and crab may be killed at application rates recommended on this label. Do not apply where these are important resources.

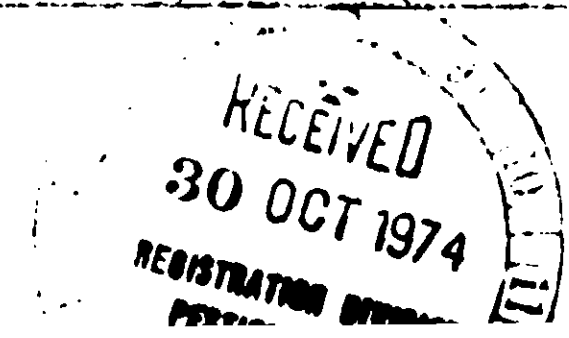
May be fatal if swallowed. May be absorbed through skin. Do not breathe spray mist. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Avoid contamination of food. Do not use on humans or permit children to go on to sprayed grass until spray has completely dried.

Keep out of reach of domestic animals. Do not contaminate feed or use on household pets or livestock. Do not permit pets to go on to sprayed grass until spray has completely dried.

NOTICE

Seller makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instruction.

148-1137



Seed-Corn Maggots: Broadcast 3 pts. per acre, 3-4 weeks before transplanting. Work into soil 2 inches immediately.

Wireworms: Broadcast 2-3 qts. per acre, 3-4 weeks before transplanting. Work into soil 6-9 inches immediately.

RANGE PASTURE AND GRASSLAND INSECTS
Unless otherwise stated DIAZINON AG-4 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. Do not repeat applications for 30 days. Dairy and beef cattle, and sheep (1) may be grazed immediately following application, (2) may be fed green forage immediately following cutting, and (3) forage grasses may be cut for hay 7 days following treatment.

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

Grasshoppers: Apply 3/4-1 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 a water solution, or for 30 days if the spray is an oil solution. Do not spray livestock directly with either air or ground equipment. Do not repeat application for 30 days.

ORNAMENTAL INSECT CONTROL

To control certain insects on Arborvitae, Azalea, Birch, Boxwood, Camellia, Carnation,

Chrysanthemum, Douglas Fir, Elm, Gladioli, Hawthorn, Holly, Juniper, Lilac, Locust, Maple, Oak, Pine, Plum, Poplar, Rhododendron, Rose, Spruce, and Willow, apply the recommended rates indicated below.

Insects	Rate per 3 gals. water	Rate per 100 gals. water
Aphids, Bagworms, Carnation Bud Mites, Carnation Shoot Mites, Clover Mites, Cyclamen Mites, Dip-terous Leaf Miners, European Pine Shoot Moths, European Red Mites, Flea Beetles, Holly Bud Moths, Leafhoppers, Ob-scure Root Weavils, Omnivorous Leaf Tiers, Privet Mites, Scale Crawlers (Cot-ton Cushion, Lecan-ium, Pine Needle, San Jose, Soft Scale), Thrips, Two-Spotted Mites, Web-worms, Whiteflies	1/2 fl. oz.*	1 pt.*
Apple-and-Thorn Skeletonizers, Cotton-easter Webworms, Fall Webworms, Hem-lock Chermes, Oak Looper, Oblique-banded Leaf Rollers, Pear Slugs, Tent Caterpillars	1 1/2 fl. oz.	3 pts.

*1 fl. oz. = 2 tablespoons
16 fl. oz. = 1 pint

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

Mimosa Webworms: Mix 1/2 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 appli-cation at 4-5 week intervals.

LAWN INSECT CONTROL

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

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

Billbugs and White grubs, such as Japanese beetle larva, European chafer and Southern chafer, apply 4 fl. oz. 1,000 sq. ft. of lawn. Water grass thoroughly after application. For

grub control make application any time be-tween late July and early October. For billbug control apply when activity is first observed or when chewed or brown grass is present, indi-cating damage from this insect.

Insects	Rate/1,000 sq. ft.		Remarks
	Diaz-inon AG-4	Water	
Lawn Chinch Bugs	2-3 fl. oz. or 3-6 fl. oz.	25 gals.	Use 1 rate or re control in la-dense such Augu lawns
Ants, Army-worms, Clover Mites, Collem-bola (Spring-tails), Crickets, Cutworms, Digger Wasps, Earwigs, Frit Flies, Lawn Bill-Bugs, Sod Web-worms, (Lawn Moths), Sowbugs	4 fl. oz.	3 gals.	Spot ant h wasp nest. For la bugs, the l. thoro immer after ment For fr mow and w well treatn delay cation grass Do no again necess
Brown Dog Ticks, Bermuda Mites, Chiggers, Fleas, Leafhop-pers	1 1/4 fl. oz.	3 gals.	Do not to ani For b dog t spray and u shrubt partic near l
Millipedes	8 fl. oz.	3 gals.	
Rhodes-grass Scales	5 fl. oz.	25 gals.	Apply crawle emerg

Alternately, make application in 3 gals per 1,000 sq. ft. and thoroughly water following application

cutworms: Mix 1/2 fl. oz. in 3 gals. of water (1 pt. in 100 gals. of water) and spray thoroughly when adults appear. Make a second and third application at 5 week intervals.

LAWN INSECT CONTROL

For insects listed below, apply recommendations. For control of Ants, Brown Dog Ticks, Mites, Crickets, Earwigs, Fleas, Sowbugs, and Collembola (Springtails) which are commonly found near the house, spray a 5-ft. band around the house, as well as the foundation wall to a height of 2-3 ft. if necessary.

For cutworms: Spray bugs outside the home with 1/2 fl. oz. (2 1/2-5 tablespoons) in 3 gals. of water. At the same time thoroughly clean foundation, windows, doors, tree trunks into cracks and other places where they hide.

For White grubs, such as Japanese Beetle, European chafer and Southern White grub: Apply 4 fl. oz. per 1,000 sq. ft. of lawn, and water thoroughly after application. For

make application any time between July and early October. For billbug apply when activity is first observed or when brown grass is present, indicate from this insect.

Insects	Rate/1,000 sq. ft.		Remarks
	Diazinon AC-4	Water	
Lawn Chinch Bugs	2-3 fl. oz. or 3-6 fl. oz.	25 gals.	Use higher rate for longer residual control and in lawns of dense growth, such as St. Augustine lawns.
Ants, Armyworms, Clover Mites, Collembola (Springtails), 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. For lawn billbugs, irrigate the lawn thoroughly immediately after treatment. For frit flies, mow grass and water well before treatment but delay application until grass is dry. Do not water again until necessary.
Brown Dog Ticks, Bermuda Mites, Chiggers, Fleas, Leafhoppers	1 1/4 fl. oz.	3 gals.	Do not apply to animals. For brown dog ticks spray grass and under shrubbery, particularly near house.
Millipedes	8 fl. oz.	3 gals.	
Rhodesgrass Scales	5 fl. oz.	25 gals.	Apply when crawlers first emerge.

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

Lawns

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.

FOREST INSECTS

Pine (Seed Orchards, Plantations, Forests)

Arkansas Sawfly (Loblolly Sawfly): Apply 1/2 pt. per acre over the tree canopy. Application should be made at or near the completion of egg hatch. Aerial applications should be made with a minimum of 2 gals. of spray per acre, in swaths not more than 90 ft. wide. Repeat application as needed.

Pine (Seed Orchards)
Pine (Plantations)
Pine (Forests)



USE DIRECTIONS

DIAZINON[®] AG-4 INSECTICIDE

See Container Label
For Precautions.

CG-7-74-A

EPA Reg. No. 148-1137



**THOMPSON HAYWARD
CHEMICAL COMPANY**

P.O. BOX 2383, KANSAS CITY, KA

GENERAL INFORMATION

DIAZINON AG-4 is an emulsifiable solution which when diluted with water according to the directions below is intended for the control of insect pests of agricultural crops. Do not use in barns or dwellings. Do not use on livestock.

In the directions for use given below, best control is obtained when application is made at first sign of insects. Application should be repeated as necessary to maintain control.

NOTE: The California Department of Agriculture has set a 5-day re-entry for Diazinon on citrus, grapes, peaches and nectarines. Five days should lapse between the time of application and the time a worker may enter the field to engage in any activity requiring substantial contact with treated foliage. When a mixture of two or more organic phosphate pesticides are applied in combination, the interval shall be prolonged by adding to the longest applicable interval an additional 50% of that interval.

Fruit and Nut Crops

NOTE: Unless otherwise stated, the rates listed below should be applied as a dilute full cover spray.

Almonds

Mites, Twig Borers: Apply 1-1½ pts. per 100 gals. of water.

Parlatoria Scales, San Jose Scales: Mix 1-1½ pts. Diazinon plus 2-3 gals. dormant oil per 100 gals. of water and apply as a dormant spray.

Almond hulls may be used for feed for livestock.

Apricots

Aphids, Brown Mites (Clover Mites), two-

Spotted Spider Mites, Olive Scale Crawlers, San Jose Scale Crawlers: Mix 1 pt. per 100 gals. of light medium horticultural oil per 100 gals. of water. Apply when scale crawlers are present. Apricot 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 Maggots, Aphids, Thrips, Two-Spotted Mites: Mix 1 pt. per 100 gals. of water. Apply up to 200 gals. of spray per acre. Do not apply within 7 days of harvest.

Caneberries

Blackberries, Boysenberries, Dewberries, Loganberries, Raspberries.

Leafhoppers, Thrips, Aphids, Two-Spotted Mites, Raspberry Sawflies: Apply 2 pts. per acre in a minimum of 100 gals. of water.

Raspberry Fruitworms: Apply at the above rates when blossom buds separate and repeat application immediately before blossoms open.

Dryberry Mites: Apply 1-2 qts. per acre in a minimum of 100 gals. of water. Apply as a dormant spray in early spring, when canes are still on the ground and buds are closed. Make a second application when the buds are well developed, but still closed.

Do not apply within 7 days of harvest.

Raspberry Crown Borers (Raspberry Root Borers): Apply 2 qts. per acre in a minimum of 100 gals. of water as a drench to the crown area and to the lower canes. Apply either in the spring before berries begin to form, or in the fall after harvest.

Cherries

Eye-Spotted Bud Moths, Fruit-Tree Leaf Rollers: Mix 1 pt. per 100 gals. of water. Apply in cover sprays as necessary, beginning with petal fall.

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.

Cherry Fruit Flies: Mix ½-1 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.

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 ½-1 pt. per 100 gals. of water. Apply as a supplemental spray after harvest.

Citrus Fruits

Grapefruit, Lemons, Limes, Oranges, Tangelos, Tangerines, Citrus Citron, Kumquats, and hybrids of these.

Citrus Aphids, Fruit-Tree Leaf Rollers, Cottony-Cushton Scale Crawlers, and Soft Scale Crawlers: Apply ½-1 pt. per 100 gals. of water (maximum 1,000 gals. per acre) as a thorough cover spray when aphids and crawler stages of scale insects first appear.

Fruit-Tree Leaf Rollers: Use ½-1 pt. per 100 gals. of spray (maximum 1,000 gals. per acre) when an average of 50 percent of eggs in egg masses have hatched in the spring.

Citrus Thrips: Apply 1 pt. in 100 gals. of water (maximum 1,000 gals. per acre) when thrips first appear.

Citrus Snow Scales: Apply 1-2 pts. per 100 gals. of water (maximum 1,000 gals. per acre) as a post-bloom spray and again as a summer spray. For heavy snow scale infestations use the higher dosage rate. Thorough coverage tree trunks, limbs, and twigs is essential.

Do not apply during bloom. Do not apply citrus within 21 days of harvest. Shrimp or crab may be killed at application rates recommended on this label. Do not apply where these are important resources.

Cranberries

Black Headed Fireworms (Sparganothis fureana): Apply 2 qts. in 400 gals. of water per acre.

Cranberry Fruitworms: Apply 3 qts. in 400 gals. of water per acre. Do not apply within 7 days of harvest.

Figs

Vinegar Flies (Drosophila spp.), Dried Fruit Beetles: Apply 1 pt. per 100 gals. of water. Do not apply within 5 days of harvest.

Filberts

Filbert Leaf Rollers, Aphids: Apply 1-2 qts. in 250-400 gals. of water per acre, as a thorough cover spray.

Grapes

Pacific Spider Mites, Leafhoppers, Grape Berry Moths, Grape Leaf Folded: Apply 1-2 pts. per acre in a minimum of 100 gals. of water as a thorough cover spray. Do not apply within 18 days of harvest.

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Use 1/2-1 pt. per 100
1,000 gals. per acre)
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Citrus Thrips: Apply 1 pt. in 100 gals. of water (maximum 1,000 gals. per acre) when thrips first appear.

Citrus Snow Scales: Apply 1-2 pts. per 100 gals. of water (maximum 1,000 gals. per acre) as a post-bloom spray and again as a summer spray. For heavy snow 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. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where these are important resources.

Cranberries

Black Headed Fireworms (*Sparganothis sulfureana*): Apply 2 qts. in 400 gals. of water per acre.

Cranberry Fruitworms: Apply 3 qts. in 400 gals. of water per acre.
Do not apply within 7 days of harvest.

Figs

Vinegar Flies (*Drosophila* spp.), Dried Fruit Beetles: Apply 1 pt. per 100 gals. of water. Do not apply within 5 days of harvest.

Filberts

Filbert Leaf Rollers, Aphids: Apply 1-2 qts. in 250-400 gals. of water per acre, as a thorough cover spray.

Grapes

Pacific Spider Mites, Leathoppers, Grape Berry Moths, Grape Leaf Folders: Apply 1-2 pts. per acre in a minimum of 100 gals. of water as a thorough cover spray. Do not apply within 18 days of harvest.

Drosophila spp.: Apply 12-18 fl. oz. per acre in a minimum of 100 gals. of water as a thorough cover spray, or apply when insects first appear. Make additional applications at weekly intervals as necessary.

Do not apply within 7 days of harvest.

Olives

Olive Scales: Mix 3/4-1 pt. plus 1 1/2 gals. of light medium summer 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 75 days of harvest.

Peaches and Nectarines

Aphids, Brown Mites (Clover 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 1/2 pt. plus 1 1/2 gals. light medium horticultural oil per 100 gals. of water. Apply when scale crawlers are present.

Oriental Fruit Moths: Mix 1 pt. per 100 gals. of water and apply at 100% petal fall. Make 2 additional applications at 10-15 day intervals. Time the last application to peak adult oriental fruit moth flight, if possible.

Peach Twig Borers: Mix 1 pt. per 100 gals. of water and apply to peaches in May and June.

Leafhoppers (Peaches only): 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 (Peaches only): As a post-harvest spray apply 1 1/2-2 pts. per 100 gals. of water timed to coincide with peak

crawler and immature scale activity. Under conditions of heavy infestations 2 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 Case-bearers, Walnut Caterpillars: Apply 1-3 qts. per acre as a foliage spray in a minimum of 100 gals. of water. Do not apply after husks crack.

Pineapples

Scales: Apply 5 qts. of DIAZINON AG-4 plus 2 gals. of light or medium horticultural oil in 500 gals. of water per acre to the vegetative slips on the plants following harvest of pineapple.

Mealybugs: Apply 2 qts. per acre in a minimum of 100 gals. of water. May be applied on day of harvest. Pineapple forage and refuse may be fed to livestock 7 days following last application.

Plums and Prunes

Brown Mites (Clover Mites), European Red Mites: Apply 1 pt. per 100 gals. of water.

Leaf Curl Plum Aphids, Mealy Plum Aphids, Thistle Aphids: Apply 1/2-1 pt. per 100 gals. of water. Do not apply within 10 days of harvest.

Strawberries

Aphids, Two-Spotted Spider Mites: Apply 1 pt. per 100 gals. of water per acre.

Cyclamen Mites: Apply 1 qt. per 100 gals. of water per acre, directing spray to plant crowns. Plants should be sufficiently agitated to assure thorough coverage of the foliage. Make additional applications, if necessary, after harvest.