

PM-12. 239-2423
12/31/89

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ORTHO Lawn Insect Spray
EPA Reg. No. 239-2423

COPY A

94.7%

COPY B

*Contains Petroleum Distillate

CONFIDENTIAL
PROPERTY OF
CHEVRON CHEMICAL COMPANY
UNTIL ACCEPTED BY EPA

CAUTION: Harmful if swallowed or absorbed through the skin. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep children and pets off treated areas until spray has dried.

STATEMENT OF PRACTICAL TREATMENT: IF SWALLOWED give a large amount of water to drink and make person vomit. Call a doctor immediately. **IF ON SKIN** wash skin with soap and water. **IF IN EYES** wash eyes with plenty of water. If irritation continues, see a doctor. **Note to Physicians:** Emergency Information — call (415) 233-3737. Chlorpyrifos is a cholinesterase inhibitor. Atropine is antidotal. Z-PAM is also antidotal and may be used in conjunction with atropine but should not be used alone.

ENVIRONMENTAL HAZARDS: This product is toxic to fish, birds, and other wildlife. Keep out of any body of water. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water when disposing of equipment/washwaters.

This product is highly toxic to bees exposed to direct treatment or residues on plants. Protective information may be obtained from your Cooperative Agricultural Extension Service.

PHYSICAL OR CHEMICAL HAZARDS: Do not use or store near heat or open flame. Handle concentrate in a ventilated area.

DIRECTIONS FOR USE

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

READ ENTIRE LABEL AND PAMPHLET. USE STRICTLY IN ACCORDANCE WITH LABEL AND PAMPHLET PRECAUTIONARY STATEMENTS AND DIRECTIONS.

DIRECTIONS

Place required amount of ORTHO Lawn Insect Spray in ORTHO Lawn Sprayer jar (see chart). Fill jar with water, mix, attach to sprayer and apply as recommended. Use at once. For best results the lawn should be moist at time of application and care should be taken to obtain complete and uniform coverage of pest infested areas. Spray when pests first appear. Re-treat when needed.

NOTE: Mosquitoes coming to rest on areas treated for the control of lawn and home invading pests will be killed for varying periods of time after treatment, depending on exposure of treated areas to weathering conditions.

[READY-SPRAY™ APPLICATOR ONLY]

For best results, lightly sprinkle the lawn with water before applying product. Be sure to spray infested areas evenly. Incomplete coverage can reduce control. Spray when pests first appear. Re-treat when needed.

NOTE: Do not use on vegetable or food crops. Do not use on azaleas, camellias, poinsettias, rose bushes or variegated ivy because of possible injury to these plants.

[READY-SPRAY™ APPLICATOR ONLY]

HOW TO USE

Connect attached spray nozzle to garden hose. Turn water control "ON/OFF" valve on top of spray nozzle to "OFF" position. Turn on water at faucet. Extend hose to farthest area to be treated and work back towards faucet so that you do not walk over treated areas.

Using a coin or key, rotate the small product control valve located near front of nozzle forward to the "OPEN" position.

To **BEGIN** spraying, point spray nozzle towards lawn and turn water control valve to "ON" position. The sprayer automatically mixes the product into the spray stream. Walk at a steady pace while spraying, using an even sweeping motion, slightly overlapping treated areas. Refer to measuring scale on side of container to guide coverage. Example: when bottle is half empty, you should have covered an area of 5,333 sq. ft. (53' x 100'). To **STOP** spraying, turn water control "ON/OFF" valve on spray nozzle to "OFF" position. Rotate small product control valve back to closed position. Turn off water at faucet. To relieve pressure, turn water control valve to the "ON" position before removing nozzle from hose, being careful to point nozzle away from you.

Pests	Amount Lawn Insect Spray to Use	Comments
LAWN PESTS		
Armyworm*	2 cups (4 fl. oz.) in 15 gals. water to treat 500 sq. ft.	Mow lawn and water well 1 to 2 days before treatment. Heavy watering or irrigation should be withheld for 2 to 3 days following treatment. Spray when pests first appear. Treat entire lawn. Do not attempt to control lawn pests by spot spraying. Repeat treatment may be necessary at 4 to 6 week intervals. Sprays are most effective if applied during 2-hour period prior to darkness when lawn insects become active.
Lawn Moth Larvae	2 cups (4 fl. oz.) in 15 gals. water to treat 500 sq. ft.	
Sod Webworms	2 cups (4 fl. oz.) in 15 gals. water to treat 500 sq. ft.	
Japanese Beetle Larvae*	2 cups (4 fl. oz.) in 15 gals. water to treat 500 sq. ft.	
Crickets	2 cups (4 fl. oz.) in 15 gals. water to treat 500 sq. ft.	
Grasshoppers	2 cups (4 fl. oz.) in 15 gals. water to treat 500 sq. ft.	
Chiggers	2 cups (4 fl. oz.) in 15 gals. water to treat 500 sq. ft.	
Clover Mites	2 cups (4 fl. oz.) in 15 gals. water to treat 500 sq. ft.	
Earwigs	2 cups (4 fl. oz.) in 15 gals. water to treat 500 sq. ft.	
Fleas	2 cups (4 fl. oz.) in 15 gals. water to treat 500 sq. ft.	
*Including Japanese Lawns		
WHITE GRUBS IN LAWN		
Certain White Grubs (Larvae of European Chaffer and Japanese Beetle)	2 cups (4 fl. oz.) in 15 gals. water to treat 500 sq. ft. Four Table Spoonfuls in 1 gal. covers 62 sq. ft. One or in 30 gals. covers 1,000 sq. ft.	Treat entire lawn. Do not attempt to control lawn pests by spot spraying. Water lawn thoroughly following application to wash the insecticide into the soil. For best results treat when grubs are young and actively feeding near the soil surface, usually during late July and August. Consult your local Agricultural Extension Service specialists for proper time to treat in your area.

How to Use

HOME INVADING PESTS (OUTSIDE DWELLINGS)

Ants	1/2 cup (4 fl. oz.) in 15 gals. water to treat 500 sq. ft.	To help prevent infestation of soil 6 to 10 feet wide around building, also the building to 3 feet when pests are active. Do not treat pets with this product.
Ticks	1/2 cup (4 fl. oz.) in 15 gals. water to treat 500 sq. ft.	
Earwigs	1/2 cup (4 fl. oz.) in 15 gals. water to treat 500 sq. ft.	
Crickets	1/2 cup (4 fl. oz.) in 15 gals. water to treat 500 sq. ft.	
Sowbugs (Pillbugs)	1/2 cup (4 fl. oz.) in 15 gals. water to treat 500 sq. ft.	
Millipedes	1/2 cup (4 fl. oz.) in 15 gals. water to treat 500 sq. ft.	
Fleas	1/2 cup (4 fl. oz.) in 15 gals. water to treat 500 sq. ft.	

IMPORTED FIRE ANT MOUNDS

Imported Fire Ant	2 1/2 fl. oz. in 1 gal. water to treat each mound	Apply 1 gal. of solution to each mound using a sprinkling can. Thoroughly treat a 4-foot diameter circle. Best results apply in cool weather or late afternoon. Treat new mounds.
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HOME INVADING PESTS: ANTS, MILLIPEDES, FLEAS, TICKS, EARWIGS, CRICKETS, SO

Building Perimeter Treatment (Outdoors): To help prevent infestations of buildings, mix 1/2 cup (4 fl. oz.) in 15 gals. water using a hose-end sprayer such as an ORTHO Lawn Sprayer to treat 500 sq. ft. treatment 6 to 10 ft. wide around and adjacent to the building (see chart below). Also treat to a height of 2 to 3 ft. when pests are active and may find entrance. Spray directly on areas where ants enter premise. Thoroughly treat garbage can storage areas, outdoor pet receptacles, and pet "bathroom" areas.

[READY-SPRAY™ APPLICATOR ONLY]

HOME INVADING PESTS (BUILDING PERIMETER TREATMENT-OUTDOORS): ANTS, TICKS, EARWIGS, CRICKETS, SOWBUGS, (PILLBUGS)

To help prevent infestation of buildings, apply at the rate of 4 fl. oz. to treat 500 sq. ft. of building. Treat a band of soil 6 to 10 feet wide around and adjacent to the building, also to a height of 2 to 3 feet when pests are active and may find entrance.

IF BAND WIDTH IS

6 ft.	15 Gals. Diluted Spray With Water	83 ft.
8 ft.		62 ft.
10 ft.		50 ft.

If used in tank type sprayer, mix 1 Tbs. (1 1/2 fl. oz.) in one gal. water to treat a 60 sq. ft. area and 10 ft. long.

NOTE: DO NOT USE INDOORS.

FLEA AND TICK CONTROL—(OUTDOORS)

In warm summer months fleas and ticks frequently become established in lawns and pet areas. To control these harmful pests, it is necessary to follow a regular spray program beginning when pests first appear in late spring (May/June) and continuing until late fall (October). Fall temperatures below 50° F help to reduce the severity of these pests. Eliminating home and mowing lawns frequently reduces hiding places.

LAWN TREATMENT: To kill fleas and ticks in lawns, use this product in a hose-end sprayer. Divide the lawn into 500 sq. ft. areas (20' x 25'). Place 3 fl. oz. of the concentrate and fill with water to the 15 gal. mark. Mix well. Attach the sprayer to the jar and use all over a 500 sq. ft. area. For best results, mow and water lawn a day or two before spraying, and lawn for 2 days after treatment. Spray lawn using a slow, even sweeping motion—be sure to cover entire lawn surface. Do not attempt to control these pests in lawns by spot treating. Also spray shady shrubs and trees where pets frequently rest, but avoid soaking young or flowering plants.

[READY-SPRAY™ APPLICATOR ONLY]

TO KILL FLEAS AND TICKS IN LAWNS Use this product only with the attached hose-end sprayer. Divide the lawn into 500 sq. ft. areas (20' x 25'). For each 500 sq. ft. area, apply 3 fl. oz. of READY-SPRAY™. For best results, mow and thoroughly water lawn a day or two before spraying. Spray in a sweeping motion—be sure to cover entire lawn surface. Do not attempt to control these pests in lawns by spot treating. Immediately after treatment, sprinkle lawn lightly for a few minutes to move grass. Do not water again for 2 days. Also spray shady spots under ornamentals, shrubs, and trees where pets frequently rest, but do not soak young or flowering plants. Wash off plant foliage with water.

NOTE: Keep pets and children out of treated areas until after the spray has dried. **Do not use product** Dogs, cats, their kennel or bedding area should also be treated with a registered Pet Flea & Tick Spray Formula II. In addition, if fleas or ticks are indoors on carpets or product such as FLEA B-GON Flea & Tick Killer or ORTHO Home Pest Insect Control. In three sites—outdoors, indoors and also the pet be treated with appropriate labeled product for control. If any one of these areas is missed, it can serve as a source of reinfestation.

STORAGE AND DISPOSAL

STORAGE: Keep pesticide in original container. Do not put concentrate or dilute into food or drink. Contamination of feed and foodstuffs. Store in a cool dry place, preferably in a locked storage area.

DISPOSAL PRODUCT: Partially filled bottle may be disposed of by securely wrapping original container in newspaper and discard in trash. **CONTAINER:** Do not reuse empty bottle. Wash thoroughly.

NOTICE: Buyer assumes all responsibility for safety and use not in accordance with directions.

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Ortho Consumer Products Division
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