

21197  
2149-287

# DIZON 4E INSECTICIDE

FOR USE BY PEST CONTROL OPERATORS ONLY

<b>ACTIVE INGREDIENTS:</b>	
O, O-diethyl O-(2-isopropyl 4 methyl-6 pyrimidinyl) phosphorothioate	47.5%
Xylene	26.2%
<b>INERT INGREDIENTS:</b>	
	26.3%
<b>TOTAL</b>	<b>100.0%</b>

DIZON 4E contains 4 lbs. of O,O-diethyl O-(2-isopropyl-4-methyl-6-pyrimidinyl) phosphorothioate per gallon.

NET CONTENTS

EPA REG. NO. 2749-287

## WARNING: KEEP OUT OF REACH OF CHILDREN.

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 HUMANS, HOUSEHOLD PETS, LIVESTOCK, OR WILDLIFE. DO NOT PERMIT CHILDREN OR PETS TO GO ON TO SPRAYED GRASS UNTIL SPRAY HAS COMPLETELY DRIED.

THIS PRODUCT IS TOXIC TO FISH AND WILD LIFE. BIRDS FEEDING ON TREATED AREAS MAY BE KILLED. KEEP OUT OF LAKES, STREAMS OR PONDS. DO NOT APPLY WHEN WEATHER CONDITIONS FAVOR DRIFT FROM AREAS TREATED. DO NOT CONTAMINATE WATER BY CLEANING OF EQUIPMENT, OR DISPOSAL OF WASTES. APPLY THIS PRODUCT ONLY AS SPECIFIED ON THIS LABEL. DO NOT APPLY WHERE RUNOFF IS LIKELY TO OCCUR.

THIS PRODUCT IS HIGHLY TOXIC TO BEES EXPOSED TO DIRECT TREATMENT OR RESIDUES. PROTECTIVE INFORMATION MAY BE OBTAINED FROM YOUR COOPERATIVE AGRICULTURAL EXTENSION SERVICE. DO NOT USE OR STORE NEAR AT OR OPEN FLAME.

...NIMUM FLASH POINT 105° F.

DO NOT REUSE EMPTY CONTAINER. DESTROY IT BY PERFORATING OR CRUSHING. BURY OR DISCARD IN A SAFE PLACE.

### GENERAL INFORMATION:

DIZON 4E IS AN EMULSIFIABLE SOLUTION. IT IS INTENDED FOR USE BY PEST CONTROL OPERATORS AFTER DILUTION WITH WATER FOR THE CONTROL OF THOSE INSECTS LISTED BELOW.

DIZON 4E IS NOT INTENDED FOR USE IN PREPARING OIL BASE SPRAYS. PEST CONTROL OPERATORS WHO PREFER OIL BASE SPRAYS SHOULD USE DIZON 4S.

NOTE: THE SOLVENT USED IN THIS FORMULATION IS A PETROLEUM DISTILLATE WHICH MAY STAIN CERTAIN PLASTIC, RUBBER AND ASPHALT MATERIALS SUCH AS TILES AND FLOOR COVERINGS. DO NOT TREAT SUCH MATERIALS. CARE SHOULD ALSO BE TAKEN TO AVOID SPOTTING OF WALLPAPER AND FABRICS. WHEN USED IN 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.

DO NOT USE IN EDIBLE PRODUCTS AREAS OF FOOD PROCESSING PLANTS, RESTAURANTS OR OTHER AREAS WHERE FOOD IS COMMERCIALY PREPARED OR PROCESSED. DO NOT USE IN SERVING AREAS WHILE FOOD IS EXPOSED.

### DIRECTIONS FOR USE:

Household Insects - Dilute DIZON 4E with water to make a ½% or 1% DIZON spray and apply as indicated below:

Gals. of Finished Spray	Amount DIZON 4E to use for	
	½% Spray	1% Spray
1	1.25 fl. oz.*	2.5 fl. oz.
2	2.5 fl. oz.	5.0 fl. oz.
3	3.75 fl. oz.	7.5 fl. oz.
10	12.5 fl. oz.	25.0 fl. oz.
25	32.0 fl. oz. (2.0 pts.)	64.0 fl. oz. (4.0 pts.)

\*2½ tablespoons = 1.25 fl. oz.

**Cockroaches (Waterbugs), Ants and Silverfish:** Make spot applications of ½% DIZON as a coarse spray or apply with a paint brush to baseboards, areas around water pipes, cracks and crevices, surfaces behind and beneath cabinets, refrigerators, sinks, stoves and similar areas where these insects hide.

For heavy cockroach infestations, make the first application at a strength of 1% DIZON, followed by monthly applications of ½% DIZON.

**Carpet Beetles:** Apply a ½% DIZON 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 ½% DIZON spray around windows, doors, and along baseboards. Make spot applications to other areas over which these pests may crawl.

**Pantry Pests - exposed stages (Saw-toothed Grain Beetle, Flour Beetle, Rice Weevil, Cigarette Beetle, Drug-store Beetle, Indian Meal Moth):** Apply a ½% 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 ½% DIZON spray to infested areas around baseboards, window and door frames, wall cracks, sleeping quarters of household pets, and localized areas of floors and floor coverings. Fresh bedding should be placed in animal quarters following treatment. Do not treat animals with this formulation.

**Ornamental Insects:** To control the listed insects on ornamentals such as 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.

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

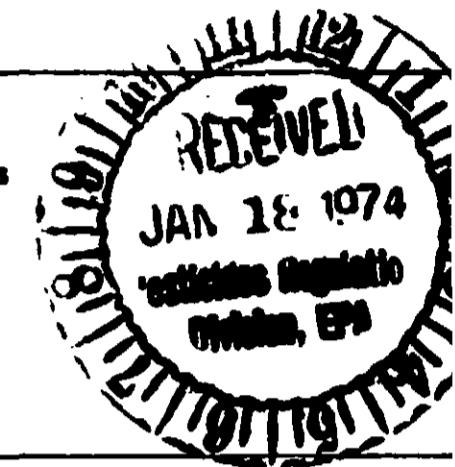
**Mimosa Webworms:** Mix ½ fl. oz. (1 tablespoon) in 3 gals. of water (or 1 pt. in 100 gals. water) and apply as a thorough foliar spray when adults first appear. Make a second and third application at 4-5 week intervals.

### RATE OF APPLICATION

Insects	Amount DIZON 4E to use	
	per 3 gal. water	per 100 gal. water
Aphids Bagworms Carnation Bud Mites Clover Mites Cyclamen Mites Dipterous Leaf Miners European Red Mites Flea Beetles Holly Bud Moths Leafhoppers	½ fl. oz.*	1 pts.

### Insects:

Privet Mites  
Scale Crawlers:  
Cottony-Cushion  
Lecanium  
→ Pine Needle  
San Jose  
Soft Scales  
Thrips  
Two-Spotted Mites  
Webworms  
Whiteflies  
Apple-and-Thorn  
Skeletonizers  
Cotoneaster Webworms  
Fall Webworms  
Hemlock Chermes  
Oak Loopers  
Oblique-Banded  
Leaf Rollers  
Pear Slugs  
Tent Caterpillars



\*1 fl. oz. = 2 tbsp.

**Lawn Insects:** To control insects listed below, apply Clover Mites, Crickets, Earwigs, Millipedes, Sowbugs found near the house and may enter the house, spray house foundation wall to a height of 2 - 3 ft. Repeat at 2 week intervals.

### Boxelder Bugs:

Spray bugs outside the home with 1½ - 2½ f. oz. (2½ - 3½ cups) spray thoroughly around foundation, windows, doors, and wherever the insects hide.

Insects	Rate/per 1000 sq. ft.	
	DIZON 4E	Water
Lawn Chinch Bugs	2-3 fl. oz. or 3-6 fl. oz.	25 gal.
Ants, Armyworms Clover Mites Collembola (Springtails), Crickets Cutworms, Digger Wasps, Earwigs, Flies, Law Billbugs, sod Webworms (Lawn Moths), Sowbugs	4 fl. oz.	3 gal.
Brown Dog Ticks, Bermuda Mites, Chiggers, Leafhoppers, Ticks	1½ fl. oz.	3 gal.
Millipedes	8 fl. oz.	3 gal.
Rhodes-Grass Scales	5 fl. oz.	25 gal.

NOTICE TO BUYER: SELLER makes no warranty on this product. BUYER assumes all risk of use or handling.



Manufactured for  
**ACETO**  
AGRICULTURAL  
176 02 NORTHERN

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**DIZON 4E  
INSECTICIDE  
FOR CONTROL OPERATORS ONLY**

2-isopropyl-4-methyl-6-pyrimidinyl phosphorothioate	47.5%
	26.2%
	26.3%
<b>TOTAL</b>	<b>100.0%</b>

**KEEP OUT OF REACH OF CHILDREN.**

**DO NOT GET ABSORBED THROUGH THE SKIN. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. AVOID CONTAMINATION OF FOOD AND FEEDING ANIMALS. DO NOT USE ON HUMANS, CHILDREN OR LIVESTOCK. DO NOT PERMIT CHILDREN OR OTHERS TO TOUCH UNTIL SPRAY HAS COMPLETELY DRIED. DO NOT ALLOW WILD LIFE, BIRDS FEEDING ON TREATED AREAS, LAKES, STREAMS OR PONDS. DO NOT ALLOW SPRAY DRIFT FROM AREAS TREATED. DO NOT REMOVE OR DISPOSE OF EQUIPMENT, OR DISPOSAL OF EQUIPMENT AS SPECIFIED ON THIS LABEL. DO NOT USE ON ANIMALS.**

**DO NOT GET EXPOSED TO DIRECT TREATMENT OR CONTACT. MAY BE OBTAINED FROM YOUR COOPERATIVE SERVICE. DO NOT USE OR STORE NEAR CHILDREN.**

**DESTROY IT BY PERFORATING OR CRUSHING.**

**FOR HOME USE ONLY. IT IS INTENDED FOR USE BY PEST CONTROL OPERATORS WITH WATER FOR THE CONTROL OF INSECTS.**

**DO NOT MIX WITH OIL BASE SPRAYS. PEST CONTROL OPERATORS SHOULD USE DIZON 4S.**

**PREPARATION IS A PETROLEUM DISTILLATE EMULSION. DO NOT USE ON ASPHALT MATERIALS SUCH AS ROADS, DRIVEWAYS, DRIVEWAYS, DRIVEWAYS. DO NOT TREAT SUCH MATERIALS. CARE SHOULD BE TAKEN TO AVOID DEPOSITS OF SPRAY ON SURFACES. SURFACES SHOULD BE DRY. DO NOT CONTAMINATE SURFACES. DO NOT CONTAMINATE UTENSILS.**

**DO NOT USE IN EDIBLE PRODUCTS AREAS OF FOOD PROCESSING PLANTS, RESTAURANTS OR OTHER AREAS WHERE FOOD IS COMMERCIALY PREPARED OR PROCESSED. DO NOT USE IN SERVING AREAS WHILE FOOD IS EXPOSED.**

**DIRECTIONS FOR USE:**

Household Insects - Dilute DIZON 4E with water to make a 1/2% or 1% DIZON spray and apply as indicated below:

Gals. of Finished Spray	Amount DIZON 4E to use for	
	1/2% Spray	1% Spray
1	1.25 fl. oz.*	2.5 fl. oz.
2	2.5 fl. oz.	5.0 fl. oz.
3	3.75 fl. oz.	7.5 fl. oz.
10	12.5 fl. oz.	25.0 fl. oz. (1.6 pts.)
25	32.0 fl. oz. (2.0 pts.)	64.0 fl. oz. (4.0 pts.)

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

**Cockroaches (Waterbugs), Ants and Silverfish:** Make spot applications of 1/2% DIZON as a coarse spray or apply with a paint brush to baseboards, areas around water pipes, cracks and crevices, surfaces behind and beneath cabinets, refrigerators, sinks, stoves and similar areas where these insects hide.

For heavy cockroach infestations, make the first application at a strength of 1% DIZON, followed by monthly applications of 1/2% DIZON.

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

**Pantry Pests - exposed stages (Saw-toothed Grain Beetle, Flour Beetle, Rice Weevil, Cigarette Beetle, Drug-store 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% DIZON spray to infested areas around baseboards, window and door frames, wall cracks, sleeping quarters of household pets, and localized areas of floors and floor coverings. Fresh bedding should be placed in animal quarters following treatment. Do not treat animals with this formulation.

**Ornamental Insects:** To control the listed insects on ornamentals such as 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.

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. (1 tablespoon) in 3 gals. of water (or 1 pt. in 100 gals. water) and apply as a thorough foliar spray when adults first appear. Make a second and third application at 4-5 week intervals.

**RATE OF APPLICATION**

Insects	Amount DIZON 4E to use	
	per 3 gal. water	per 100 gal. water
Aphids Bagworms Carnation Bud Mites Clover Mites Cyclamen Mites Dipterous Leaf Miners European Red Mites Flea Beetles Holly Bud Moths Leafhoppers	1/2 fl. oz.*	1 pts.

Insects	Amount DIZON 4E to use	
	per 3 gal. water	per 100 gal. water
Privet Mites Scale Crawlers: Cottony-Cushion Lecanium Pine Needle San Jose Soft Scales Thrips Two-Spotted Mites Webworms Whiteflies	1/2 fl. oz.*	1 pt.
Apple-and-Thorn Skeletonizers Cotoneaster Webworms Fall Webworms Hemlock Chermes Oak Looper Oblique-Banded Leaf Rollers Pear Slugs Tent Caterpillars	1 1/2 fl. oz.	3 pts.



\*1 fl. oz. = 2 tbsp.

16 fl. oz. = 1 pt.

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

**Boxelder Bugs:**

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

Insects	Rate/per 1000 sq. ft.		Remarks
	DIZON 4E	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, Law Billbugs, sod Webworms (Lawn Moths), Sowbugs	4 fl. oz.	3 gals.	Spot spray ant hills and wasp ground nest 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, Leafhoppers, Ticks	1 1/2 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.	
Rhodes-Grass Scales	5 fl. oz.	25 gals.	Apply when crawlers first emerge.

**NOTICE TO BUYER:** SELLER makes no warranty of any kind, express or implied, concerning the use of this product. BUYER assumes all risk of use or handling whether in accordance with directions or not.



Manufactured for  
**ACETO CHEMICAL CO., INC.**  
AGRICULTURAL CHEMICALS DIVISION  
126 02 NORTHERN BOULEVARD, FLUSHING, N Y 11368