

BONIDE[®]

CYGNON^{*}
Systemic Insecticide

CONTROLS INSECTS AND MITES ON ORNAMENTAL PLANTS. CONTROLS HOUSEFLIES

MITE LEAF MINER SCALE

* Trademark American Cyanamid Co.

EPA Est. No. 4-NY-1 EPA Reg. No. 4-256

ACTIVE INGREDIENT:	By Weight
Dimethoate (O,O-dimethyl S-[N-methyl-carbamoylmethyl] phosphorodithioate)...	23.4%
INERT INGREDIENTS:	76.6%
Total	100.0%

1 gallon contains 2 pounds of dimethoate.

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KEEP OUT OF REACH OF CHILDREN
WARNING
 See Side Panel for Further Warnings.

NET CONTENTS:

ACCEPTED
SEP 24 1993
 Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 4-256

BONIDE CYGON SYSTEMIC INSECTICIDE, EPA Reg. No. 4-256PRECAUTIONARY STATEMENTSHAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

May be fatal if swallowed. Avoid Inhalation. Avoid contact with skin, eyes, and clothing. Wash thoroughly after handling. Avoid contamination of feed and foodstuffs.

STATEMENT OF PRACTICAL TREATMENT

If swallowed: Administer milk or water freely and induce vomiting by giving one dose ($\frac{1}{2}$ oz. or 15 ml.) of syrup of ipec. If vomiting does not occur within 30 minutes, administer second dose. If syrup of ipecac is not available, induce vomiting by sticking finger down throat. Repeat until vomit fluid is clear. Professional medical assistance should be secured immediately. Do not give anything by mouth to a unconscious or convulsive person.

If on skin: Remove contaminated clothing and wash skin immediately with soap and warm water.

If eyes are contaminated: Wash with flowing water for at least 15 minutes. If poisoning occurs, obtain prompt medical aid.

NOTE TO PHYSICIAN: This product may cause cholinesterase inhibition. Atopine is antidotal.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to wildlife and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water by cleaning equipment or disposal of wastes.

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

PHYSICAL OR CHEMICAL HAZARDS

DO NOT USE, POUR, SPILL OR STORE NEAR HEAT OR OPEN FLAME.

DIRECTIONS FOR USE

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

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STORAGE AND DISPOSAL

1. Prohibitions - Do not store below freezing temperatures. Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.
2. Pesticide Disposal - Pesticide, spray, mixture, or rinsate that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticides or buried in a safe place away from water supplies.
2. Container Disposal - Triple rinse (or equivalent) and offer for recycling, reconditioning, or disposal in approved landfill or bury in a safe place.
4. General - Consult Federal, state or local disposal authorities for approved alternative procedures.

REQUIRED CLOTHING AND EQUIPMENT FOR APPLICATION

All applicators, including homeowners, flaggers and all personnel involved with the mixing, loading, and transferring operations must wear the protective clothing and equipment enumerated below:

- a. Impermeable gloves (for example, rubber or plastic covered reinforced gloves.)
- b. Boots or boot covers.
- c. Long-sleeved shirt and long pants.
- d. Wide-brimmed hat.
- e. Respirators must be worn by flaggers and mixer loaders.

This product is intended for ground application only.

OUTDOOR ORNAMENTAL PLANTS

CYGON is generally effective in controlling aphids, thrips, leaf miners, scales, leafhoppers and mites. Make adequate spray when pests appear or when damage is first observed. Do not overdose or overspray. For proper timing of treatments for the control of specific pests on ornamental plants, consult your state agricultural experiment station or state agricultural extension service.

Do not use on ornamental plants not listed. Do not use on any ornamental stock plants grown as a source of propagation material, such as cuttings, layers, root stocks or scions for grafting or budding. Do not use in spray mixtures containing oil. Do not use on plants growing in greenhouses.

The listed uses below are foliar sprays unless otherwise indicated.

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ORNAMENTAL PLANTS OUTDOOR PLANTS ONLY	PEST CONTROLLED	TEA-SPOONFUL PER 1/2 GAL. WATER	TABLE-SPOONFUL PER 3 GALS. WATER
Azaleas	Lace Bugs Leaf Miners Mites Tea Scale White Flies	1	2
Camellias	Aphids Camellia Scale Tea Scale	Foliar Spray: Apply 2 sprays 6 weeks apart the first year followed by annual application soon after first growth begins in the Spring.	
Roses	Leafhoppers Thrips Aphids Mites	Soil Drench: Apply Cygon as a soil drench around the base of plants in early spring at the rate of 4 tablespoonsful per 1 gallon of water up to 6 feet tall. Increase this rate proportionately for larger plants.	
Birch	Aphids Leaf Miners	1/2	1
Boxwood	Leaf Miners Mealy Bugs Mites	1	2
Gladolus	Aphids Thrips	1	2
Hemlock	Mites Scale	1	2
Euonymus	Aphids Scale	1	2
Pine Juniper	Mites Aphids Bagworms European Pine Shoot Moth Nantucket Pine Tip Moth Zimmerman Pine Moth Midges	2	4

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Carnations	Aphids Thrips Mites	1 2	2	Soil Drench: Apply Cygon 2-E as a soil drench around the base of plants in early spring at the rate of 4 tablespoonfuls per 1 gallon of water per plant up to 6 feet tall. Increase this rate proportionately for larger plants.
Cyperus	Bactra Moth Larvae	1 2	2	Apply as a drenching spray.
Day Lilies	Aphids Thrips	2	4	
Arborvitae	Aphids Bagworms Mites	2	4	
Cedar	Mites	2	4	
Gardenias	Tea Scale White Flies	1	2	
Gerberas	Thrips	1	2	
Iris	Aphids Iris Borer Thrips	1 2	2	For borer control spray when new leaves are 5-6 inches tall.
Taxus	Fletcher Scale Mealy Bugs Mites	2	4	BEST AVAILABLE CORN
Oak	Golden Oak Scale	2	4	
Poinsettias Outdoor Plants	Mites White Flies Mealy Bugs Aphids	1	2	
Ficus nitida Outdoor Plants	Thrips	1	2	Do not use on potted plants.
Holly (English American) not Burford variety	Leaf Miners Mites Soft Scale	1 2	2	For leaf miners apply in spring when leaf miner flies first appear or in early summer for the control of larvae in infested leaves.

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The use of the within contained material for systemically protecting living plants is covered by Patent No. 3,210,242. The selling price includes a royalty for the right of any purchaser of said material to practice the methods claimed in said patent. A non-transferable license under said patent may be obtained from American Cyanamid Company on current royalty terms whatever the source of material use.

HOUSEFLY CONTROL

Residual Wall Sprays:

For the control of houseflies, including resistant strains, in dairy barns, hog pens, calf barns, poultry houses and other farm buildings, apply a 1% residual spray to the ceilings, walls, stanchions, etc. Prepare the spray by mixing 1 pint of CYGON 2-E in 3 gallons of water. Thoroughly wet all fly-resting areas to the point of run-off. One gallon of spray will cover 500 to 1,000 square feet of surface. Repeat applications should be made when necessary.

Remove all animals from buildings when applying residual wall sprays.

Spot Sprays:

For localized housefly control, apply a spray containing $\frac{1}{2}$ pint of CYGON 2-E in 5 quarts of water with a knapsack or similar type sprayer to areas frequented by flies, such as doorways, around windows, etc.

Repeat applications should be made when necessary. Good sanitation is a necessary part of any effective fly control program.

Maggot Sprays:

For the control of housefly maggots, mix $\frac{1}{2}$ pint of CYGON 2-E in 5 quarts of water and apply as a coarse spray or with a sprinkling can to fly-breeding areas, such as poultry droppings in caged-layer houses, garbage dumps and manure piles.

Repeat application as additional manure or garbage is added.

General Outside Use:

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For the control of houseflies around homes and recreation areas, garbage cans, animal quarters, food-processing plants, warehouses, loading docks and refuse areas, thoroughly spray exposed surfaces, such as wall, fences, garbage and refuse containers with 1 pint of CYGON 2-E in 3 gallons of water.

Repeat applications should be made when necessary.

CYGON 2-E IS ACCEPTABLE FOR USE AS A RESIDUAL-TYPE INSECTICIDE IN AND AROUND FEDERALLY INSPECTED MEAT-PACKING PLANTS EXCEPT WHERE MEAT FOOD PRODUCTS ARE PROCESSED OR HANDLED.

Do not use in the edible products area of food processing plants, restaurants or other areas where food is commercially processed. Do not use in service areas where food is exposed. DO NOT CONTAMINATE FEED AND FOODSTUFFS, DRINKING FOUNTAINS, LITTER AND FEED TROUGHS. DO NOT USE IN MILK-PROCESSING ROOMS, INCLUDING MILK HOUSES AND MILK STORAGE ROOMS. DO NOT USE IN HOMES.

Buyer's Guarantee Limited to Label Claims and Refund of Purchase Price.

Sold by BONIDE PRODUCTS, INC.

Yorkville, NY 13495
