



**FOR USE BY NURSERY PROFESSIONALS ONLY  
NOT FOR HOMEOWNER USE**  
**Controls Insects, Mites, on Ornamental Plants as Listed**

**ACTIVE INGREDIENT:**

*Dimethoate [O,O-dimethyl S-(N-methylcarbamoyl methyl) phosphorodithioate]	23.4%
INERT INGREDIENTS**	76.6%
TOTAL	100.0%

\*CYGON Trademark of American Cyanamid Company; EPA Reg. No. 769-948  
\*\*Contains xylene range aromatic solvent EPA Est. No. 44616-MO-1  
1 Gallon Contains 2 pounds of Dimethoate

Net Contents: One Gallon

**KEEP OUT OF REACH OF CHILDREN  
WARNING/AVISCO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

**FIRST AID**

**If swallowed:**

- Call a poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow
- Do not induce vomiting unless told to do so by the poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

**If on skin or clothing:**

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15 – 20 minutes.
- Call a poison control center or doctor for treatment advice.

**If in eyes:**

- Hold eye open and rinse slowly and gently with water for 15 – 20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Call a poison control center or doctor for treatment advice.

**If inhaled:**

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.
- Call a poison control center or doctor for further treatment advice.

**Note To Physician:** Dimethoate may cause cholinesterase inhibition. Atropine is antidotal. 2 PAM may be effective adjunct to atropine. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**WARNING:** Harmful or fatal if swallowed or absorbed through the skin. May cause irritation of eyes, nose, skin and throat. Avoid contact with eyes and skin. Avoid breathing vapor or spray mist. Use only with adequate ventilation. Do not contaminate food or food products, 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. Concentrated material causes eye irritation.

**PERSONAL PROTECTION EQUIPMENT**

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category B and F on an EPA chemical resistance category selection chart. **Applicators and other handlers must wear:** long-sleeved shirt and long pants; chemical-resistant gloves such as barrier laminate, butyl or nitrile rubber, or viton; chemical-resistant footwear plus socks; protective eyewear; and chemical resistant headgear for overhead exposure; chemical-resistant apron when cleaning equipment, mixing or loading; and a Dust/Mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C). Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**Cygon 2E\***  
**Systemic  
Insecticide**

**USER SAFETY RECOMMENDATIONS**

**Users should:** Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to wildlife and aquatic invertebrates. For terrestrial uses, do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters. This pesticide is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product to allow it to drift to blooming crops or weeds, if bees are visiting the treatment areas.

**PHYSICAL AND CHEMICAL HAZARDS**

Combustible. Do not use, pour, or store near heat or open flame.  
**DO NOT ALLOW TO FREEZE.**

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation. Do not apply this product through any type of irrigation system.

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), notification to workers, and restricted-entry intervals. The requirements in the box only apply to uses of this product that are covered by the Worker Protection Standard. Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 48 hours. PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water, is: coveralls over long-sleeved shirt and long pants; chemical-resistant gloves such as barrier laminate, butyl or nitrile rubber, or viton; chemical-resistant footwear plus socks; protective eyewear; and chemical-resistant headgear for overhead exposure.

**OUTDOOR ORNAMENTAL PLANTS GROWN IN NURSERIES**

Cygon 2E is generally effective in controlling Aphids, Thrips, Leaf Miners, Scale, Leafhoppers and Mites. Make adequate sprays when pests appear or when damage is first observed. Do not over-dose or over-spray. For proper timing of treatment 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 following uses are foliage sprays unless otherwise indicated.**

**Azaleas to control Lace Bugs, Leafminers, Mites, Tea Scales, White Flies:** Mix 2 tbsp. in 3 gallons of water or 1 tsp. in 1/2 gallon of water. Injury may occur on certain varieties if applied in spray mixtures containing oil.

**Camellias to control Aphids, Camellia Scale, Tea Scale:** Mix 1 tbsp. in 3 gallons of water or 1/2 tsp. in 1/2 gallon of water. **Foliar Spray:** Apply 2 sprays 6 weeks apart the first year followed by annual applications soon after first growth begins in the spring. **Soil Drench:** Apply as a soil drench around the base of plants in early spring at the rate of 4 tbsp. per gallon of water per plant up to 6 feet tall. Increase this rate proportionately for larger plants. Injury may occur on certain varieties if applied in spray mixtures containing oil.

**Carnations to control Aphids, Thrips, Mites:** Mix 1 tbsp. in 3 gallons of water or 1/2 tsp. in 1/2 gallon of water. **Soil Drench:** Apply as a soil drench at the rate of 4 fl. oz./500 sq. ft. of bed or bench; (5 qts. Per 1/2 acre) in sufficient water for even distribution. Water in thoroughly after application.

**Cyperus to control Bactra Moth Larvae:** Mix 1 tbsp. in 3 gallons of water or 1/2 tsp. in 1/2 gallon of water.

**Day Lilies to control Aphids, Thrips:** Mix 1 tbsp. in 3 gallons of water or 1/2 tsp. in 1/2 gallon of water. Do not use on Easter Lilies since injury may occur.

**Roses (Outdoor Plants) to control Aphids, Leafhoppers, Mites, Thrips:** Mix 1 tbsp. in 3 gallons of water or 1/2 tsp. in 1/2 gallon of water. Apply as drenching spray.

**Arborvitae to control Aphids, Bagworms, Mites:** Mix 2 tbsp. in 3 gallons of water or 1 tsp. in 1/2 gallon of water.

**Birch to control Aphids, Leafminers:** Mix 1 tbsp. in 3 gallons of water or 1/2 tsp. in 1/2 gallon of water. For Leafminers, apply when leaves are expanded (about mid May) and repeat in early July.

**Boxwood to control Leafminers, Mealy Bugs, Mites:** Mix 2 tbsp. in 3 gallons of water or 1 tsp. in 1/2 gallon of water. For Leafminers apply in spring when Leafminers flies first appear or in early summer for control of larvae in the infested leaves.

**Cedar to control Mites:** Mix 4 tbsp. in 3 gallons of water or 2 tsp. in 1/2 gallon of water.

**Euonymous to control Aphids, Scale:** Mix 2 tbsp. in 3 gallons of water or 1 tsp. in 1/2 gallon of water.

**Gardenias to control Tea Scale, White Flies:** Mix 2 tbsp. in 3 gallons of water or 1 tsp. in 1/2 gallon of water.

**Gerberas to control Thrips:** Mix 2 tbsp. in 3 gallons of water or 1 tsp. in 1/2 gallon of water.

**Gladiolus to control Aphids, Thrips:** Mix 2 tbsp. in 3 gallons of water or 1 tsp. in 1/2 gallon of water.

**Iris to control Aphids, Iris Borer, Thrips:** Mix 4 tbsp. in 3 gallons of water or 2 tsp. in 1/2 gallon of water. For Borer control, spray when new.

**Poinsettias (Outdoors) to control Mites, White Flies, Mealy Bugs, Aphids:** Mix 2 tbsp. in 3 gallons of water or 1 tsp. in 1/2 gallon of water.

**Do not use on potted plants.**

**Ficus Nitida (Outdoors) to control Thrips:** Mix 2 tbsp. in 3 gallons of water or 1 tsp. in 1/2 gallon of water.

**Hemlock to control Mites, Scales:** Mix 2 tbsp. in 3 gallons of water or 1 tsp. in 1/2 gallon of water.

**Juniper to control Aphids, Bagworms, Midges, Mites:** Mix 4 tbsp. in 3 gallons of water or 2 tsp. in 1/2 gallon of water.

**Oak to control Golden Oak Scale:** Mix 4 tbsp. in 3 gallons of water or 2 tsp. in 1/2 gallon of water.

**Pine to control Aphids, Bagworms, European Pine Shoot Moth, Nantucket Pine Tip Moth, Zimmerman Pine Moth:** Mix 4 tbsp. in 3 gallons of water or 2 tsp. in 1/2 gallon of water.

**Taxus to control Fletcher Scale, Mealy Bugs, Mites:** Mix 4 tbsp. in 3 gallons of water or 2 tsp. in 1/2 gallon of water.

#### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

**STORAGE:** Store in tightly closed original container in a locked area out of reach of children.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact you State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA regional office for guidance.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other approved State and local procedures.



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