

## ORNAMENTAL SHRUBS AND TREES (continued)

Ornamental Shrubs and Trees	Insects Controlled	Rate (mL) of CYGON 240 per Litre of Water (5 mL = 1 teaspoon)
Pine (mugho, red, scots)	Red & black-headed pine sawfly larvae	2
	Aphids, bagworms, European pine shoot moths, Nantucket pine tip moths, Zimmerman pine moths	4 For European pine shoot moths apply in the spring and again in mid-June, thoroughly wetting branch tips.
Sitka spruce	Sitka spruce weevils	45 Spray the terminal growth to the point of runoff at the time of egg laying (usually during the first half of May).
Spruce & balsam fir	Spruce budworms	2 - 3 Apply when new growth starts, thoroughly wetting all branches.
Taxus (yew)	Mites, Fletcher scales, mealy bugs	4 For fletcher scales, spray at the end of June and again 10 days later when the crawlers are moving.
Oak	Golden oak scales	4

\*Note on Paint-On Treatments: DO NOT paint undiluted CYGON 240 to plant species other than the three listed (birch trees, lilacs, and roses) as severe injury can result. Paint undiluted CYGON 240 in a band on the bark of the tree or to each stem. The chemical is absorbed into the plant and carried to the leaves. The band location should be changed with each application.

## VEGETABLE GARDENS

Spray when insects are first noticed and repeat as necessary. Do not feed treated crop to livestock. Do not spray when temperature is excessively high as injury to plants may occur. Observe limitations concerning safe interval between treatment time and harvest.

## Rate and PreHarvest Interval (Number of Days Between Last Spray and Harvest)

Vegetable Crop	Insects Controlled	Rate (mL) CYGON 240 per Litre of Water**	Last Spray Before Harvest (days)
Beans	Aphids, bean beetles, leafhoppers, leafminers, lygus bugs, mites, tarnished plant bugs, grasshoppers	1 to 2	7
Beet greens	Aphids, leafhoppers, grasshoppers	1	12
Broccoli	Aphids, grasshoppers	1 to 2	4
Brussels sprouts	Aphids, grasshoppers	1 to 2	21
Cabbage	Aphids, grasshoppers	1 to 2	4
Cauliflower	Aphids, grasshoppers	1 to 2	4
Kale	Aphids, leafhoppers, grasshoppers	1	7
Lettuce	Aphids, leafhoppers, grasshoppers	1	7
Peas	Aphids, grasshoppers	0.5 to 0.75	3
Peppers	Aphids, maggots, grasshoppers	1 to 2	3

(continued)

## VEGETABLE GARDENS (continued)

Vegetable Crop	Insects Controlled	Rate (mL) CYGON 240 per Litre of Water**	Last Spray Before Harvest (days)
Potatoes	Aphids, leafhoppers, grasshoppers	1 to 2	7
Spinach	Aphids, leafhoppers, grasshoppers	1	7
Swiss chard	Aphids, leafhoppers, grasshoppers	1	7
Tomatoes	Aphids, leafhoppers, grasshoppers	1 to 2	7
Turnip greens	Aphids, leafhoppers, grasshoppers	1	7

\*\*Note: Apply sufficient spray to ensure coverage (approximately 10 L per 100 m<sup>2</sup>).

## FRUIT

Unless otherwise specified, apply spray when insects appear and repeat as necessary.

Fruit Crop	Insects Controlled	Timing of Spray	Rate (mL) of CYGON 240 per Litre of Water*
Apples Pears	Aphids, apple maggots, pear psylla	For apple maggots, spray when adult flies first appear (usually July 10 to 15) and repeat after 10 to 14 days.	2 to 2.5
	Mites		2 to 3.5
	Tarnished plant bugs	On apples apply at pink and first cover. On pears apply before bloom.	1.25
DO NOT SPRAY APPLES OR PEARS WITHIN 14 DAYS OF HARVEST			
Sweet cherries	Black and western cherry fruitfly maggots	Apply no later than 6 days after the first adult fly has been trapped. Apply once only. Do not spray within 21 days of harvest.	1 to 1.25
Sour cherries	Black and western cherry fruitfly maggots	Apply no later than 6 days after the first adult fly has been trapped and repeat in 14 days, if required. Do not spray within 21 days of harvest.	
Peaches (non-bearing)	Tarnished plant bugs	Spray when insects first appear and repeat as necessary using sufficient water for good coverage. Some defoliation may occur under cold wet soil and/or slow drying conditions during and following application. Least injury occurs when sprays are applied in the morning while temperatures are moderate and drying conditions are fairly good.	1
	Aphids, mites		1.5 to 3.5
Strawberries	Tarnished plant bugs	On strawberries to be harvested, apply first spray when blooms appear and second 10 to 12 days later. Do not spray within 7 days of harvest.	2.5
	Aphids, mites	Spray as necessary on non-bearing strawberries.	1.25 to 2.25

\*Note: Apply sufficient spray to ensure coverage (approximately 10 L per 100 m<sup>2</sup>).

D I M E T H O A T E

CYGON™ 240

SYSTEMIC INSECTICIDE - DOMESTIC

DANGER



POISON

WARNING: EYE IRRITANT  
KEEP OUT OF REACH OF CHILDREN

- A Systemic Insecticide for the Control of Insects on Listed Flowering Plants, Ornamental Shrubs and Trees, and Insects on Listed Vegetable and Fruit Crops
- A Contact Insecticide for the Control of Houseflies Outdoors

**GUARANTEE: dimethoate . . . . 240 g/L**  
**READ THE LABEL BEFORE USING**  
**SEE INSIDE FOR ADDITIONAL INFORMATION**  
**SHIP and STORE BETWEEN 4°C and 30°C**  
 REGISTRATION NUMBER 8567 PEST CONTROL PRODUCTS ACT

NET CONTENTS

Manufactured for:  
 Cheminova Canada Inc.  
 5915 Airport Rd., Suite 316  
 Mississauga, Ont. L4V 1T1

Registrant:  
 Cheminova Inc.  
 1700 Rt. 23  
 Wayne, NJ 07470 U.S.A.

**EMERGENCY PHONE NUMBER:**  
 In case of medical emergency involving this product, call toll free, day or night, 800-228-5635, Ext. 153

0/A31/0

™Trademark of Cheminova Agro A/S

**PRECAUTIONS:****KEEP OUT OF REACH OF CHILDREN**

May be harmful or fatal if swallowed, inhaled or absorbed through the skin. Concentrate material may cause irritation to the respiratory tract, skin or eyes. Avoid breathing vapours or spray mist. Use outdoors only, in adequately ventilated areas. Do not get in eyes; avoid contact with skin or clothing. Wash thoroughly after using and before eating, drinking or smoking. Do not apply directly to animals.

**WILDLIFE STATEMENT:**

Highly toxic to birds, bees, and other wildlife. Do not treat plants when bees are foraging. Do not apply to crops, such as alfalfa when in full bloom.

**FIRST AID:**

CALL A PHYSICIAN OR POISON CONTROL CENTER AT ONCE IN ALL CASES OF SUSPECTED POISONING.

**IF ON SKIN:** Wash thoroughly with soap and water.

**IF IN EYES:** Flush eyes with plenty of water for 15 minutes; seek medical attention.

**IF SWALLOWED:** Do not induce vomiting. Contains petroleum distillates. Call a physician immediately. Do not induce vomiting or give anything by mouth to an unconscious person.

**IF INHALED:** Remove victim from the site of exposure. Seek medical attention if symptoms persist.

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

**TOXICOLOGICAL INFORMATION:**

Symptoms of poisoning include nausea, vomiting, pinpoint pupils, excessive salivation, muscle twitching, convulsions and coma. This product, upon repeated or prolonged use, may cause cholinesterase inhibition.

**ATROPINE IS ANTIDOTAL:**

Give 1 or 2 mg of atropine sulphate intramuscularly or intravenously immediately and every 15 to 30 minutes until full atropinization has been attained.

Pralidoxime chloride (2-PAM; PROTOPAM chloride) may be effective as an adjunct to atropine. Use according to label directions.

**DECONTAMINATION:**

If accidental spillage of CYGON 240 should occur, scrub contaminated area immediately with a strong laundry soap solution or use household lye. Detergents are not satisfactory for this purpose. Repeated scrubblings are necessary on plain wood surfaces.

**DISPOSAL PROCEDURE (Re-fillable container):**

For disposal, this container may be returned to the point of purchase (distributor/dealer). It must be refilled by the distributor/dealer with the same product. Do not reuse this container for any other purpose.

For information on the disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

**DISPOSAL PROCEDURE (Disposable container):**

Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.

Follow provincial instructions for any required additional cleaning of the container prior to its disposal.

Make the empty container unsuitable for further use.

Dispose of container in accordance with provincial requirements.

For information on the disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

**STORAGE PRECAUTIONS:**

Do not use, pour, spill or store near heat or open flame.

Keep out of direct sunlight.

Ship and store between 4°C and 30°C.

**NOTICE TO BUYER:**

Seller's guarantee shall be limited to the terms set out on the label and subject thereto the buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition.

**NOTICE TO USER:**

This control product is to be used only in accordance with the directions on this label. It is an offense under the Pest Control Products Act to use a control product under unsafe conditions.

**DIRECTIONS FOR USE****OUTDOOR HOUSEFLY CONTROL**

CYGON 240 controls houseflies for up to 6 weeks. Use a spray solution containing 50 mL of CYGON 240 per litre of water. Repeat applications should be made when necessary. Good sanitation is an essential part of any effective fly control program. DO NOT use in homes.

Use to control houseflies outside homes, in recreation areas, garbage cans, and refuse areas. Spray exposed surfaces, such as walls, fences, refuse containers and garbage cans using 5 - 10 L of mixture to cover 100 m<sup>2</sup> of surface.

**FLOWERING PLANTS**

Use adequate spray for good coverage of plants, but do not overdose or overspray. To avoid injury to plants, do not spray when the temperature is excessively high. The uses listed below are for foliar sprays unless otherwise indicated and must not be used on plants growing indoors.

Flowering Plants	Insects Controlled	Rate (mL) of CYGON 240 per Litre of Water ( 5 mL = 1 teaspoon)
Azaleas	Lace bugs, leafminers, mites, white flies	2
Camellias	Aphids, mites, camellia scales	2 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 CYGON 240 as a soil drench around the base of plants in early spring at the rate of 12 mL per litre of water per plant up to 2 m tall. Increase this rate proportionately for larger plants.
Carnations	Aphids, thrips, mites	2 Soil Drench: Apply as a soil drench at the rate of 250 mL per 100 m <sup>2</sup> of bed or bench in sufficient water for even distribution. Water in thoroughly after application.
Day Lillies	Aphids, thrips	4
Euonymus	Aphids, scales	4
Gardenias	White flies, scales	2
Gerberas	Thrips	2
Gladioli	Aphids, thrips	2
Irises	Aphids, iris borers, thrips	4 For borer control, spray when new leaves are 12 to 15 cm tall.
Poinsettias	Aphids, white flies, mites, mealy bugs	2
Roses	Aphids, leafhoppers, mites, thrips	2 Apply as required (approximately every 4 weeks during growing season). Paint-on Treatment*: Paint a 2.5 cm band of undiluted CYGON 240 to the bases of the rose stems. Paint only old wood as new growth may be injured. For best insect control apply the first treatment when leaf buds start to swell in the spring and repeat application as necessary.

**ORNAMENTAL SHRUBS AND TREES**

Use adequate spray for good coverage. Do not spray when the temperature is excessively high. Do not apply to newly transplanted nursery stock. There has been no report of damage by CYGON 240 to any common evergreen species grown in Canada provided recommended rates have been followed.

Ornamental Shrubs and Trees	Insects Controlled	Rate (mL) of CYGON 240 per Litre of Water (5 mL = 1 teaspoon)
Arborvite	Aphids, bagworms, mites	4
Birch	Aphids, leafminers	1 Foliar Spray: For leafminers apply when leaves have just fully expanded (about mid-May). Repeat the last week in June. Application should be made before or at least as soon as first damage appears. Soil Drench: For full-season control, CYGON 240 may be used as a soil drench once in early May when the leaves start to open. Apply CYGON 240 undiluted at a rate of 22 mL per cm of stem basal diameter (cumulative total of all stems) evenly into small shallow holes made with a sharp instrument at the dripline of the tree or clump. Close the holes with earth. Drench thoroughly with water immediately so as to saturate the root system. One soil drench treatment in May should give control of birch leafminers for the complete season. DO NOT make more than one soil drench treatment per season. Soil drenches may not be effective on newly-transplanted birches where the root system is not well established. Some hybrid varieties, e.g. cutleaf and silver birch, may be damaged by excessive amounts of CYGON 240. Therefore, apply no more than the recommended dosage. Paint-on Treatment*: To control birch leafminers. Paint undiluted CYGON 240 in a band on the bark of the tree. The band should be around the trunk below the lowest branch. Do not treat birch trees with trunks less than 2.5 cm in diameter. For larger trees, the width of the band should be equal to the thickness of the trunk at that location, up to a maximum of 15 cm. The first application should be made in May when leaf bud tips appear green. A second application should be made in late June in early season areas or early July in cooler areas. DO NOT make more than two treatments per season. Newly transplanted birch trees may be injured. Use CYGON 240 with care the year of transplanting. On certain clay soils, a white chlorosis may appear between the veins of the leaves after treatment. This is temporary and soon disappears.
Boxwood	Mites, leafminers, mealybugs	2 For leafminers, apply in spring when leafminer flies first appear and repeat in early summer for control of larvae in the infested leaves.
Cedar	Mites, leafminers	4 For leafminers, spray in early May or late August.
Holly (English & American)	Mites, soft scales, leafminers	2 For leafminers, apply in spring when leafminer flies first appear and repeat in early summer for the control of larvae in the infested leaves.
Hemlock	Mites, scales, spruce needle miners	2 Make application as soon as larvae hatch.
Juniper	Aphids, bagworms, midges, mites	4
Lilac ( <i>Syringa spp.</i> )	Leafminers	2 Apply two sprays 6 weeks apart. Applications should be made as soon as any signs of the leafminer appear, or first application should be started in early June. Paint-on Treatment*: Apply undiluted CYGON 240 in a band 7 - 8 cm wide, approximately 30 cm above the ground, to each stem. The first application should be made when the first leaves appear. A second application should be made in late July.

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