

20-APR-2000

((BOX))

SYSTEMIC INSECTICIDE

WILSON

CYGON 2E

DOMESTIC

100 mL

GUARANTEE: Dimethoate 240 g/L

REGISTRATION NO. 9801 P.C.P. ACT

CONTROLS BIRCH LEAF MINER,
INSECTS ON ROSES, FLOWERS,
FRUITS, EVERGREENS & TREES

READ THE LABEL AND ENCLOSED
PAMPHLET BEFORE USING

SHIP AND STORE BETWEEN 5 C AND 30 C

DANGER

POISON

NU-GRO IP INC.
10 CRAIG STREET
BRANTFORD, ONT.
N3R 7J1

INSECTICIDE

KEEP OUT OF REACH OF CHILDREN

REFER TO AND RETAIN ENCLOSED PAMPHLET FOR DIRECTIONS FOR USE.

SOIL DRENCH TREATMENT:

For leafminer control on Birch, refer to enclosed pamphlet for complete instructions for soil drench treatment.

SPRAY TREATMENT: FOR FLOWERING PLANTS, SHRUBS AND TREES, VEGETABLE GARDENS, AND FRUIT TREES

CYGON 2E is an excellent systemic insecticide for the control of aphids, leafhoppers, leafminers, and certain other insects. Refer to enclosed pamphlet for rates and ornamental species that may be

sprayed with CYGON 2E.

PAINT-ON TREATMENT:

For control of aphids and leafminers on Birch: leafminers on Lilac, aphids, leafminers, mites and thrips on Rose: refer to the complete use instructions on the enclosed pamphlet for paint-on treatment.

RESIDUAL SPRAYS FOR HOUSEFLIES:

For housefly control for up to 6 weeks, refer to the enclosed pamphlet for complete use instructions for residual wall sprays, spot sprays and general outdoor use.

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN. KEEP CHILDREN AND PETS AWAY FROM AREA DURING APPLICATIONS AND UNTIL DRY. Hazardous if swallowed, inhaled, or absorbed through the skin. Use only in adequately ventilated areas. Avoid breathing vapour or spray mist. Avoid contact with skin, eyes or clothing. Wash after use and before eating, drinking or smoking. Avoid contamination of food, feed and drinking water. Keep away from heat, sparks and open flame. Do not expose to direct sunlight. Ship and store between 5 C and 30 C. Highly toxic to birds, bees and other wildlife. To avoid killing bees, spray plants in bloom only in the late evening or early morning while bees are not foraging.

FIRST AID:

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

If on skin, wash thoroughly with soap & water. If in eyes, flush eyes with water for 15 minutes; then seek medical attention. Product contains petroleum distillates. If swallowed, DO NOT induce vomiting medical attention. Never give anything by mouth to an unconscious person. 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 hour as required until pupils dilate. Pralidoxime chloride (2-PAM: PROTOPAM chloride) may be effective as an adjunct to atropine. Use according to label directions.

DECONTAMINATION: If accidentally spilled, scrub area immediately with strong laundry soap or use household lye. Detergents are not satisfactory for this purpose. Repeated scrubblings are necessary on plain wood surfaces.

DISPOSAL: Do not reuse empty container. Wrap empty container and discard in household garbage.

www.wilson.nu-gro.com

CYGON is a trademark of Cheminova Inc.

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((LABEL))

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((PAMPHLET))

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FLOWERING PLANTS, ORNAMENTAL SHRUBS AND TREES:

CYGON 2E is generally effective in controlling aphids, leafhoppers, leaf miners, mites, scales and thrips. Plant species on which CYGON 2E may be used, and the insects controlled, are listed in this pamphlet. Do not use on plants which are not listed or on newly transplanted nursery stock.

FOLIAR APPLICATIONS

Proper timing of treatments is necessary for adequate insect control. Follow the recommendations in the accompanying table. When a recommendation is not given, in general the spray should be delayed until the pests appear or damage to plants is observed. Local extension authorities may be consulted concerning timing of treatments.

While Wilson CYGON 2E may not always cause injury to species not listed, injury may occur to individual plants or in local areas. When in doubt about plant safety it is advisable to spray a single branch or dip several leaves in the spray solution. A waiting period of three or four days will usually indicate if plant damage will result. Do not spray the following species unless individual plants have been tested for safety.

American Elm	Mop-head Elm
Norway Maple	Mock Orange
Morraine Locust	Sunburst Locust

There has been no report of damage by CYGON 2E to any of the common evergreen species grown in Canada provided recommended rates have been followed.

SOIL APPLICATION FOR BIRCH LEAFMINERS

Soil Drench: For full-season control, CYGON 2E may be used as a soil drench once in early May when the leaves start to open. Apply CYGON 2E 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 2E. Therefore, apply no more than the recommended dosage.

Note: Newly-transplanted birch trees may be injured. Use CYGON 2E with care the year transplanting. On certain clay soils, a white chlorosis may appear between the veins of the leaves after treatment. This is temporary and soon disappears.

PAINT-ON TREATMENT

Birch Trees to control Birch Leaf miners - Paint undiluted CYGON 2E, using the applicator, in a band on the bark of the tree. The chemical is absorbed into the plant and carried to the leaves. The band should be around the trunk below the lowest branch. The band location should be changed with each application. 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.

Lilacs to control leaf miners - Apply undiluted CYGON 2E in a band 6-7 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.

Roses (outdoor plants) to control aphids, leafhoppers, mites and thrips - Paint a 2.5 cm band of undiluted CYGON 2E using the applicator, 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 the application as necessary.

Note re: Paint-On Treatments:

See the foliar application section for insect control on birch, lilac or rose with foliar sprays. Do not paint undiluted CYGON 2E to plant species other than the three listed as severe injury can result.

RESIDUAL SPRAYS FOR HOUSEFLIES:

CYGON 2E controls houseflies for up to 6 weeks. Use a spray solution containing 50 mL (10 teaspoonfuls) of CYGON 2E per litre of water. Repeat applications should be made when necessary. Good sanitation

is an essential part of any effective fly control program.

Use to control houseflies outside homes, and in recreation areas, garbage cans, animal quarters, and refuse areas. Spray exposed surfaces such as walls, fences, refuse containers and garbage cans. 5-6 litres of spray will cover 100 square metres of surface.

Remove animals while spraying their quarters. Do not allow humans or animals to contact sprayed surfaces until dry. Do not contaminate drinking water, feed or litter. Do not use inside homes. Do not use as space spray.

For additional product information or in case of emergency, spills or fire, call toll-free 1-800-268-2806.

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ORNAMENTAL SHRUBS AND TREES

Use adequate spray for good coverage. Do not spray when the temperature is excessively high. Do not use on newly transplanted nursery stock. Unless otherwise specified, apply sprays when insects appear and repeat as necessary.

ORNAMENTAL SHRUBS AND TREES	INSECTS CONTROLLED	mL CYGON 2E PER LITRE OF WATER (5 mL = 1 teaspoonful)
Arborvitae	Aphids, bagworms, mites	4
Birch	Aphids, leaf miners	1 For leaf miners 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.
Boxwood	Mites, leaf miners, mealy bugs	2 For leaf miners, apply in spring when leaf miner flies first appear and repeat in early summer for control of larvae in the infested leaves.
Cedar	Mites, leaf miners	4 For leaf miners, apply in early May or late August.

Holly (English and American)	Mites, soft scale, leaf miners	2 For leaf miners, apply in spring when leaf miner flies first appear repeat in early summer for the control of larvae in the infested leaves.
Hemlock	Mites, scale, spruce needle miner	2 Make application as soon as larvae hatch.
Juniper	Aphids, bagworms, midges, mites	4
Lilac (Syringa spp.)	Leaf miners	2 Apply two sprays 6 weeks apart. Applications should be made as soon as any signs of the leaf miner appear, or first application should be started in early June.
Oak	Golden oak scale	4
Pine (mungho, red, Scots)	Red and black-headed pine sawfly larvae	2
	Aphids, bagworms, European pine shoot moth, Nantucket pine tip moth, Zimmerman pine moth	4 For European pine shoot moths apply early in the spring and again in mid-June, thoroughly wetting branch tips.
Sitka Spruce	Sitka-spruce weevil	45 Spray the terminal growth to the point of run-off at the time of egg laying (usually during the first half of May).
Spruce and Balsam Fir	Spruce Budworm	2-3 Apply when new growth starts, thoroughly wetting all branches.
Taxus (Yew)	Mites, Fletcher scale, mealy bugs	4 For Fletcher scale, spray at the end of June and again 10 days later when the crawlers are moving.

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 foliar sprays unless otherwise indicated and must not be used on plants growing indoors.

FLOWERING PLANTS (Outdoor plants only)	INSECTS CONTROLLED	mL CYGON 2E PER LITRE OF WATER (5 ml=1 teaspoonful)
Azaleas	Lace bugs, leaf miners, mites, white flies	2
Camellias	Aphids, mites, camellia scale	2 Foliar spray: Apply 2 sprays 6 weeks apart from the first year followed by annual applications soon after first growth begins in the spring. Soil drench: Apply CYGON 2E as a soil drench around the base of the 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 square metres of bed or bench in sufficient water for even distribution. Water in thoroughly after application.
Day Lilies	Aphids, thrips	4
Euonymus	Aphids, scale	4
Gardenias	White flies, scale	2
Gerberas	Thrips	2
Gladiolus	Aphids, thrips	2
Iris	Aphids, Iris borer, 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).
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VEGETABLE GARDENS AND FRUIT:

VEGETABLES - 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. Do not apply more than 2 applications per season.

Use Wilson CYGON 2E at the rate of 5 to 10 millilitres (mL) (1 to 2 teaspoonfuls) per 5 litres (L) of water on beans, broccoli, Brussels sprouts, cabbage, cauliflower, pepper, potato and tomato: 5 mL (1 teaspoonful) per 5 L of water on beet greens, kale, lettuce, spinach, Swiss chard, and turnip greens: 2.5 mL (½ teaspoonful) per 5 L of water on peas. Apply sufficient spray to ensure coverage - approximately 10 litres per 100 square metres.

VEGETABLE CROP	INSECTS CONTROLLED	LAST SPRAY BEFORE HARVEST
Beans	Aphids, bean beetles, leafhoppers, leaf miners, lygus bugs, mites, tarnished plant bugs	7 days
Beet greens	Aphids, leafhoppers, grasshoppers	12 days
Broccoli	Aphids, grasshoppers	4 days
Brussels sprouts	Aphids, grasshoppers	21 days
Cabbage	Aphids, grasshoppers	4 days
Cauliflower	Aphids, grasshoppers	4 days
Kale	Aphids, leafhoppers, grasshoppers	7 days
Lettuce	Aphids, leafhoppers, grasshoppers	7 days
Peas	Aphids, leafhoppers, grasshoppers	3 days
Peppers	Aphids, leafhoppers, grasshoppers	3 days

Potatoes	Aphids, leafhoppers, grasshoppers	7 days
Spinach	Aphids, leafhoppers, grasshoppers	7 days
Swiss chard	Aphids, leafhoppers, grasshoppers	7 days
Tomatoes	Aphids, leafhoppers, grasshoppers	7 days
Turnip greens	Aphids, leafhoppers, grasshoppers	7 days

FRUIT - Unless otherwise specified, apply sprays when insects appear and repeat as necessary. Apply sufficient spray to ensure coverage.

FRUIT CROP	INSECTS CONTROLLED	TIMING OF SPRAY	RATE OF CYGON 2E mL per litre of water (5 mL = 1 level teaspoonful)
Apples, pears	Aphids, apple maggot, pear psylla, Mites Tarnished plant bug	For apple maggot, spray when adult flies first appear (usually July 10 to 15) and repeat after 10 to 14 days. For tarnished plant bug control on apple apply at pink and first cover, on pear apply before bloom.	2 to 2.5
			2 to 3.5 1.25
DO NOT SPRAY APPLES OR PEARS WITHIN 14 DAYS OF HARVEST. Maximum 2 applications per season.			
Cherries	Black cherry fruit fly western cherry fruit fly	Apply no later than 6 days after first adult fly has been trapped. Apply once only. Do not spray within 21 days of harvest.	1 to 1.25

Peaches (non-bearing)	Tarnished plant bug	Apply at pink stage and again at shuck fall. Maximum 2 applications per season.	1
	Aphids, mites		1.5 to 3.5
Strawberries	Tarnished plant bug Aphids, mites	On strawberries to be harvested apply first spray when blooms appear and a second 10 to 12 days later. Maximum 2 applications per season. Spray as necessary on non-bearing strawberries.	2.5 1.25 to 2.25 (10 litres of spray should treat approx. 100 square metres)

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