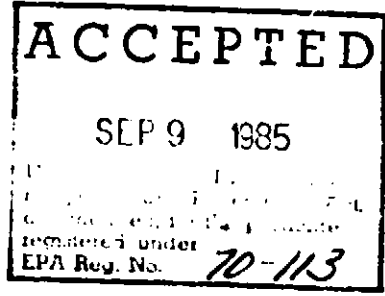


P11116

70-113

1 of 7



K I L L - K O  
CYGON(R)\* 2-E

Systemic Insecticide

CONTROLS: Houseflies and Insects and Mites on Ornamentals,  
Vegetables, Fruits and Nuts as Listed.

ACTIVE INGREDIENTS:

Dimethoate (O,O-Dimethyl S-[methylcarbamoylmethyl]  
phosphorodithioate)..... 23.4%

INERT INGREDIENTS:..... 76.6%  
TOTAL 100.0%

(One Gallon contains 2 pounds of Dimethoate) .  
(R)\* Trademark of American Cyanamid Company

W A R N I N G (14 pt.)

KEEP OUT OF REACH OF CHILDREN (10 pt.)

See Side Panel For Additional Precautionary Statements

EPA Reg. No. 70-113  
EPA Est. No. 70-KY-1

NET CONTENTS

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Manufactured by

RIGO COMPANY

BUCKNER, KENTUCKY 40010

### PRECAUTIONARY STATEMENTS

#### Hazards to Humans and Domestic Animals

**WARNING:** Harmful or fatal if swallowed. Do not breathe vapors or spray mist. Do not get in eyes, on skin, or on clothing. Concentrated material causes eye irritation. Use only with adequate ventilation. Wash thoroughly after handling. Wash contaminated clothing before re-use.

**NOTE TO PHYSICIAN:** This product may cause cholinesterase inhibition. Atropine by injection is antidotal. Pralidoxime chloride (2-PAM, PROTOPAM chloride) may be effective as an adjunct to atropine. Use according to label directions.

Do not contaminate water by cleaning of equipment, or disposal of wastes. 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.

#### Statement of Practical Treatment

**If Swallowed:** Do not induce vomiting. Call a physician immediately.

**If On Skin:** In case of contact, remove contaminated clothing and immediately wash skin with soap and water.

**If In Eyes:** Flush eyes with plenty of water for 15 minutes. Call a physician.

#### Environmental Hazards

This product is toxic to fish, birds and other wildlife. Keep out of lakes, streams or ponds. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated.

#### Physical or Chemical Hazards

Do not use or store near heat or open flame.

#### Required Clothing and Equipment for Applications

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. Pilots are exempt from this requirement. The protective clothing and equipment to be worn is as follows:

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

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KILL-KO CYGON 2-E Systemic Insecticide  
Page 3

#### DIRECTIONS FOR USE

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

#### DISPOSAL

Do not reuse empty container. Wrap container and put in trash collection.

**AERIAL APPLICATION:** AUTOMATIC FLAGGING DEVICES SHOULD BE USED WHENEVER FEASIBLE. IF HUMAN FLAGGERS ARE EMPLOYED THEY MUST WEAR THE PROTECTIVE CLOTHING AND RESPIRATOR SPECIFIED ON THIS LABEL.

**MIXING:** CYGON 2-E forms an emulsion when diluted with water and is suitable for use in all pressure-type sprayers. To mix with water, pour the required amount of CYGON 2-E into full amount of water and then agitate.

For hose-end sprayers, measure the required amount of CYGON 2-E into the sprayer jar for each gallon of final spray. Add water to the indicated level in the jar to give the desired number of gallons of final spray. Follow the recommendations of the manufacturer of your particular hose-end sprayer.

NOTE: 2 teaspoon per one gallon of water equals 1 pint per 100 gallons of water.

#### OUTDOOR ORNAMENTAL PLANTS

KILL-KO CYGON 2-E is generally effective in controlling aphids, thrips, leafminers, scale, leafhoppers, mites and certain other insect pests as listed. For proper timing of treatments for the control of specified pests, consult your state agricultural extension service. Make adequate sprays when pests appear or when damage is first observed. Do not overdose or overspray. Do not use on ornamentals not listed. Do not use on any ornamental stock plants grown as a source of propagation material such as cuttings, layers, root stock or scions for grafting or budding. Do not use in spray mixtures containing oil. Do not use on plants growing in greenhouses. The uses below are for foliar sprays unless otherwise indicated.

**AZALEAS:** (Outdoor Plants) To control lace bugs, leafminers, mites, tea scale and whiteflies, apply 2 teaspoons per gallon of water.

**CAMELIAS:** To control aphids, camellia scale, mites and tea scale, apply 2 teaspoons per gallon of water. **FOLIAR SPRAY:** Apply 2 sprays 6 weeks apart the first year followed by annual application soon after growth begins in the spring. **SOIL DRENCH:** Apply as soil drench around the base of plants in early spring at the rate of 4 tablespoons per gallon of water per plant up to 6 feet tall. Increase this rate proportionately for larger plants.

**CARNATIONS:** To control aphids, thrips and mites, apply 2 teaspoons per gallon of water as foliar spray. **SOIL DRENCH:** Apply as a soil drench at the rate of 4 fluid ounces per 500 square feet of bed or bench in sufficient water for even distribution. Water in thoroughly after application.

**CYPRESS:** To control aphids and thrips, apply 4 teaspoons per gallon of water.

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2110 70-113 457

**KILL-KO CYGON 2-E Systemic Insecticide**

Page 4

**ROSES:** (Outdoor Plants) To control aphids, leafhoppers, mites and thrips, apply 2 teaspoons per gallon of water.

**ARBORVITAE:** To control aphids, bagworms, and mites, apply 4 teaspoons per gallon of water.

**BIRCH:** To control aphids and leafminers, apply 1 teaspoon per gallon of water. For leafminers, apply when leaves are expanded (about mid-May) and repeat in early July.

**PAINT METHOD:** To control leafminers, undiluted KILL-KO CYGON 2-E may be painted on the bark of the tree. The chemical is then absorbed into the 'system' of the tree and is carried by the sap to the leaves. Paint a band of undiluted CYGON 2-E around the trunk below the lowest branches: the width of this band must be equal to the thickness of the trunk at the location (Maximum 6"). Make the first treatment when the buds break. Weather conditions are important for correct timing of treatment. If weather is warm and buds break fast, apply when green tips are visible; in cold weather it is better to wait until the leaves have almost completely unfolded. Make a second treatment 6 weeks after the first. Do not make more than two treatments per season. Newly planted trees and those with trunks less than 1 inch thick may be injured. Do not use on the trunk of any other trees or severe injury may result.

**BOXWOOD:** To control leafminers, mealy bugs and mites, apply 2 teaspoons per gallon of water. For leafminers, apply in spring when leafminer flies first appear or in early summer for control of larvae in the infested leaves.

**CEDAR:** To control bagworms and mites, apply 4 teaspoons per gallon of water.

**EUONYMUS:** To control aphids and scale, apply 5 teaspoons per gallon of water.

**GARDENIAS:** To control tea scale and whiteflies, apply 2 teaspoons per gallon of water.

**GERBERAS:** To control thrips, apply 2 teaspoons per gallon of water.

**GLADIOLUS:** To control aphids and thrips, apply 2 teaspoons per gallon of water.

**IRIS:** To control aphids, iris borer and thrips, apply 2 teaspoons per gallon of water. For borer control, spray when new leaves are 5-6 inches tall.

**POINSETTIAS:** (Outdoor Plants) To control mites, whiteflies, mealy bugs and aphids, apply 2 teaspoons per gallon of water.

**FICUS NITIDA:** (Outdoor Plants) To control thrips, apply 2 teaspoons per gallon of water. Do not use on potted plants.

**HOLLY:** (English, American - do not use on Burford variety): To control leafminers, mites and soft scale, apply 2 teaspoons per gallon of water. For leafminers, apply in spring when leafminer flies first appear or in early summer for the control of larvae in infested leaves.

**HEMLOCK:** To control mites and scale, apply 2 teaspoons per gallon of water.

**JUNIPER:** To control aphids, bagworms, midges and mites, apply 4 teaspoons per gallon of water.

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KILL-KO CYGON 2-E Systemic Insecticide

Page 5

OAK: To control golden oak scale, apply 4 teaspoons per gallon of water.

PINE: To control aphids, bagworms, European pine shoot moth, Nantucket pine tip moth, Zimmerman pine moth, apply 4 teaspoons per gallon of water.

TAXUS: To control Fletcher scale, mealy bugs and mites, apply 4 teaspoons per gallon of water.

VEGETABLES

In the garden apply KILL-KO CYGON 2-E as a foliage spray when insects or their damage is first noticed and repeat as necessary for control. Follow the recommended application timing and intervals for the vegetables listed. Do not apply to any crop not listed on the label. Rates are expressed in teaspoons per gallon of water. Consult the chart below for the amount of diluted spray to apply for specific row spacing. All rates are based on a broadcast rate of 150 gallons per acre. During early stages of growth, proportionately less spray will be required. Always spray for thorough coverage. Follow the time interval between last application and harvest indicated by the number in ( ) following each vegetable. A (0) indicates product can be used through day of harvest. Do not graze treated areas or feed treated plant parts or ensilage to livestock.

Amount of diluted spray per 100 ft. of row when spacing is:

12 inches	24 inches	36 inches	48 inches
1/3 gallon	2/3 gallon	1 gallon	1 1/3 gallon

BEANS (Dry, Green, Lima, Snap) (0): To control Aphids, leafhoppers, leafminers, lygus bugs, and mites, apply 2/3 to 1 1/3 teaspoons per gallon of water (1 to 2 pints per acre).

BROCCOLI (7), CABBAGE (3), CAULIFLOWER (7): To control aphids, apply 2/3 to 1 1/3 teaspoons per gallon of water (1 to 2 pints per acre)

COLLARDS (14), ENDIVE (Escarole) (14), KALE (14), LETTUCE (Head 7, Leaf 14), MUSTARD GREENS (14), SPINACH (14), SWISS CHARD (14), and TURNIPS (14): To control aphids, leafhoppers and leafminers, apply 2/3 teaspoons per gallon of water (1 pint per acre).

MELONS (3): To control aphids, leafhoppers, leafminers, and thrips, apply 1 1/3 teaspoons per gallon of water (1 quart per acre).

PEAS (0): To control aphids, apply 1/2 teaspoon per gallon of water (10 oz. per acre).

PEPPERS (0): To control aphids, leafminers, pepper maggots, apply 2/3 to 1 1/3 teaspoon per gallon of water (1 to 2 pints per acre).

POTATOES: (0), TOMATOES (7): To control aphids, grasshoppers, leafhoppers and leafminers, apply 2/3 to 1 1/3 teaspoon per gallon of water (1 to 2 pints per acre).

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**KILL-KO CYGON 2-E Systemic Insecticide**

Page 6

**FRUITS AND NUTS**

**FRUITS:**

**APPLES (28):** To control apple maggot<sup>+</sup> and codling moth<sup>+</sup>\* apply 2 teaspoons per gallon of water (2 pt./100 gals. water). Do not apply during the bloom period. Apply at petal-fall and every 10 to 14 days thereafter until control is achieved. <sup>+</sup>Under heavy infestations, some sting injury may occur. \*Midwest and eastern states only.

**APPLES (28), PEARS (28):** To control aphids, leafhoppers and mites (except rust mites) apply 1 to 2 teaspoons per gallon of water (1 to 2 pt./100 gals. water). Do not apply during the bloom period.

**GRAPEFRUIT, LEMONS, ORGANGE, TANGERINES:** To control aphids, apply 1 to 2 teaspoons per gallon of water (1 to 2 pt./100 gals. water) as an outside coverage spray. Do not apply within 15 days of harvest. To control mites (except rust mites) apply 1 to 2 teaspoons per gallon of water (1 to 2 pt./100 gals. water) as a thorough distribution coverage spray. Do not apply within 15 days of harvest. To control scales (except black or snow) apply 2 to 3 teaspoons per gallon of water (2 to 3 pt./100 gals. water) as a thorough coverage spray. Do not apply within 45 days of harvest. To control thrips apply 1 to 2 teaspoons per gallon of water (1 to 2 pt./100 gals. of water) as a mist spray. Do not apply within 15 days of harvest. To control whiteflies apply 2 teaspoons per gallon of water (2 pt./100 gals. water) as a thorough distribution coverage spray. Do not apply within 15 days of harvest. Do not apply durin bloom period. Do not use on citrus seedlings. Make no more than 2 applications to mature fruit. Do not enter treated groves within 4 days of last application.

**NUTS:**

**PECANS (21):** To control aphids, mites and leafhoppers apply  $\frac{1}{2}$  teaspoon per 1000 sq.ft. (1  $\frac{1}{3}$  pt./acre). Do not graze livestock in treated groves.

**HOUSEFLIES**

**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 5 ounces of CYGON 2-E in 1 gallon water. Thoroughly wet all fly-resting areas to the point of run off. One gallon of spray will cover 500 to 1,000 sq.ft. of surface. CYGON 2-E controls flies up to 8 weeks or longer. Repeat applications should be made when necessary. Remove all animals and poultry from buildings prior to spraying.

**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 EDIBLE PRODUCT AREAS OF FOOD PROCESSING PLANTS, RESTAURANTS OR OTHER AREAS WHERE FOOD IS COMMERCIALY PREPARED OR PROCESSED. DO NOT USE IN SERVICE AREA WHILE 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.**

Part 10 70-113 127

**KILL-KO CYGON 2-E Systemic Insecticide**

Page 7

**SPOT SPRAYS:** For localized housefly controls, apply a spray containing 2½ Tablespoons of CYGON 2-E in 1 quart of water with a knapsack or similar type sprayer to areas frequented by flies, such as doorways, around windows. Repeat applications should be made when necessary. Good sanitation is a necessary part of any effective fly control program.

**GENERAL OUTSIDE USE:** 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 walls, fences, garbage and refuse containers with 3 tablespoons of CYGON 2-E in 1 quart of water. Repeat applications should be made when necessary.

**MAGGOT SPRAYS:** For the control of housefly maggots, mix ½ pint 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.

**FOR ADDITIONAL DIRECTIONS FOR USE, SEE ATTACHED BROCHURE.**

**NOTICE:** Seller makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instructions.

6/85