

RECOMMENDED APPLICATIONS											
CROP	DISEASE	RATE OF BAYLETON 25% Wettable Powder	REMARKS (Also Refer to Directions for Use)								
Cucurbits [Balsam pear (bitter melon), Chinese waxgourd (Chinese preserving melon), citron melon, cucumber, gherkin, gourds, edible melons including hybrids (including cantaloupe, casaba, crenshaw, honeydew melons, honey balls, mango melon muskmelon Persian melon), pumpkin squash, summer squash, winter watermelon, including hybrids]	Powdery mildew (<i>Erysiphe cichoracearum</i>)*	<u>Grams/5 Gal³</u> 5.6 to 11.4 (4 1/2 level teaspoonfuls to 3 level tablespoonfuls)	Apply specified dosage per 5 gallons of water and apply as a dilute spray application to the point of drip. Begin the spray applications when disease symptoms first appear. Repeat at 14-day intervals to maintain control if new disease symptoms appear. Under severe disease conditions use the 11.4 gram rate. APPLICATION SCHEDULE* <table border="1"> <thead> <tr> <th>Rate(gm)</th> <th>Maximum # of Applications</th> </tr> </thead> <tbody> <tr> <td>5.6</td> <td>8</td> </tr> <tr> <td>8.4</td> <td>5</td> </tr> <tr> <td>11.2</td> <td>4</td> </tr> </tbody> </table> <p>*A maximum of 45.6 grams (1.6 oz) of BAYLETON 25% Wettable Powder may be applied per season.</p> <p>Applications may be made up to one day of harvest.</p> <p>** BAYLETON 25% Wettable Powder will not give commercially acceptable control of <i>Sphaerotheca fuliginea</i>.</p>	Rate(gm)	Maximum # of Applications	5.6	8	8.4	5	11.2	4
Rate(gm)	Maximum # of Applications										
5.6	8										
8.4	5										
11.2	4										

³ Rates of BAYLETON 25% Wettable Powder are based on a standard of 100 gallons of dilute spray solution per acre.

Amount of BAYLETON 25% Wettable Powder to Use in Volume of Water				
Gallons of Water				
50	25	10	5	1
.5 oz	7 gm	2.8 gm	1.4 gm	.3 gm
1 oz	.5 oz	5.7 gm	2.8 gm	.6 gm
2 oz	1 oz	11.3 gm	5.6 gm	1.1 gm
3 oz	1.5 oz	17.0 gm	8.4 gm	1.7 gm
4 oz	2 oz	.8 oz	11.2 gm	2.3 gm
8 oz	4 oz	1.6 oz	.8 oz	4.5 gm

1/4 level teaspoonful equals 0.3 grams
 1/2 level teaspoonful equals 0.6 grams
 1 level teaspoonful equals 1.3 grams
 1 level tablespoonful equals 4 grams
 3 level teaspoonfuls equals 1 level tablespoonful
 28.35 grams equals 1 oz

DIRECTIONS FOR USE (Continued)

COMPATIBILITY: BAYLETON is compatible with many registered insecticides and fungicides. To determine the compatibility of BAYLETON with specific products, the following procedure should be conducted. Pour the recommended proportions of the products into a suitable container of water, mix thoroughly and allow to stand at least 5 minutes. If the combination remains mixed or can be re-mixed readily, the mixture is considered physically compatible.

SPRAY ADDITIVES: Use of various spray additives such as spreaders, extenders, trace elements or fertilizers should be evaluated prior to use. The label directions given here are based on data obtained with no additives; use of any product with BAYLETON may affect the result. Contact local university extension personnel prior to use of spray mix additives.

RESTRICTIONS: Edible portions of treated trees, other than apples and pears, such as nuts and syrup, should not be used for feed or food.

ROTATIONAL CROPS

Sweet corn, beans, peas and cucurbits may be planted 35 days after the last application of BAYLETON. Root crops may be planted 120 days after the last application. Any

crop may be planted 12 months or later after the last application of BAYLETON without any restrictions.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Household: Do not reuse empty container. Securely wrap original container in several layers of newspaper and put in trash collection.

Pesticide Disposal (Except Household): Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal (Except Household): Completely empty carton into application equipment. Then dispose of empty carton in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

Handle and open container in a manner as to prevent spillage. If the container is leaking or material spilled for any reason or cause, carefully sweep material into a pile. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Material that cannot be used as directed should be disposed of as directed above. In spill or leak incidents, keep unauthorized people away. You may contact the Miles Emergency Response Team for decontamination procedures or any other assistance that may be necessary. The Miles Kansas City Emergency Response Telephone No. is 816-242-2582, or contact Chemtrec at 800-424-9300.

Miles Inc.
Specialty Products
Box 4913, Kansas City, Mo 64120-0013



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

APR 10 1994

Adm
COPY FOR YOUR
INFORMATION

JOANNE STRIEBICH
WILBUR ELLIS COMPANY
BOX 16458
FRESNO, CA. 93755

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

SUBJECT: Label Amendment Submission of 10/29/93 in Response to PR Notice 93-7
EPA Reg. No. 70-113
KILL-KO CYGON 2-E SYSTEMIC INSECTICIDE

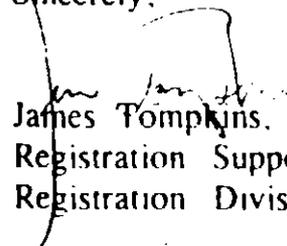
Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, successfully **REMOVES THE PRODUCT FROM THE SCOPE** of PR Notice 93-7 once the comments (if any) on the attached sheet are addressed. Other than the alterations (if any) listed on the attached sheet, no further alterations to the labeling are necessary to reflect the requirements of the Worker Protection Standard.

Since your amendment proposes to delete uses directly and/or to delete uses implicitly through the use of exclusionary statements, the Agency will publish in the Federal Register a notice of receipt of your amendment to delete uses, as required by section 6(f)(1) of FIFRA. The Agency will defer action for 90 days from the date of the Federal Register notice to give affected minor users an opportunity to try to persuade you to retain the uses(s). When the comment period has expired, the Agency will approve the amendment unless you have withdrawn it, and stamp the amended labeling "accepted." Your stamped-accepted labeling will then be sent to you.

As described in Supplement A of PR Notice 93-11 (self-verification option), you may sell and distribute product bearing the submitted labeling before you receive a copy of your stamped-accepted labeling. Note that your registration is not amended until the comment period required by section 6(f)(1) of FIFRA has expired and the Agency has approved the amendment. Therefore, you may withdraw your proposed amendment at any time during the comment period and until you receive your stamped-accepted labeling.

Sincerely,


James Tompkins, Deputy Chief
Registration Support Branch
Registration Division (7505W)



Recycled/Recyclable
Printed with Soy/Canola Ink on paper that
contains at least 50% recycled fiber

Joanne Striebich
WILBUR ELLIS COMPANY

Comments for: EPA REG. NO. 70-113
KILL-KO CYGON 2-E SYSTEMIC INSECTICIDE

The following specific comments pertain to your WPS labeling submission concerning the product cited above:

Add the exclusionary statement "Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. For use on plants intended for aesthetic purposes or climatic modification and being grown in interior plantscapes, ornamental gardens or parks, or on golf courses or lawns or grounds" to your label.

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, milk 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 treated areas.

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 air personnel, engaged with the mixing, loading, and backloading operations, must wear the protective clothing and equipment enumerated below. Pests 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.

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

STORAGE AND DISPOSAL
 Store in original container in a cool, dry location away from heat, flame, direct or indirect sunlight. Do not reuse empty container. Wrap container and put in trash collection.
NET CONTENTS ONE PINT
 Manufactured by Rigo Co., Buckner, KY 40010



CYGON 2-E



ACTIVE INGREDIENTS: Dimethoate (0.0625% of S- (methylcarbamoyl methyl) phosphorodithioate) 23.4% **INERT INGREDIENTS** 76.6% **TOTAL 100.0%**
 16 1/2 gallon contains 2 pounds of Dimethoate

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

WARNING: KEEP OUT OF REACH OF CHILDREN
 See Back Panel For Additional Precautionary Statements

ACCEPTED
 with COMMENTS
 In EPA Letter Dated

APR 25 1974
 Under the Federal Insecticide,
 Fungicide and Rodenticide Act
 as amended, for the pesticide
 registered under EPA Reg. No.
70-113

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SYSTEMIC INSECTICIDE

For use on listed vegetables,
fruits, nuts, flowers,
ornamentals, and trees.

SEE CONTAINER LABEL FOR
INGREDIENTS STATEMENT AND
COMPLETE PRECAUTIONARY
STATEMENTS, INCLUDING
STATEMENT OF PRACTICAL
TREATMENT

Directions for Use

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

READ ENTIRE LABEL

DIRECTIONS FOR USE

~~AERIAL APPLICATION, AUTOMATIC FLAGGING DEVICES SHOULD BE USED WHENEVER FEASIBLE. IF POWER FLOWERS 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 teaspoons per gallon of water equals 1 pint per 100 gallons of water.~~

OUTDOOR ORNAMENTAL PLANTS

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 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, leaf scale and whiteflies, apply 2 teaspoons per gallon of water.

Camelias: To control aphids, camellia scale, mites and leaf 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.

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

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Arbervitae: To control aphids, bagworms, and mites, apply 4 teaspoons per gallon of water
Bark: 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 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

Beechwood: 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

Evergreens: 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

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

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

Pine: To control aphids, bagworms, European pine

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shoot moth, Nantucket pine tip moth, Zimmerman pine moth, apply 4 teaspoons per gallon of water
Taxes: To control Fletcher scale, mealy bugs and mites, apply 4 teaspoons per gallon of water.

VEGETABLES

In the garden apply 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 1/2 gallon

Beans (Dry, Green, Lima, Snap) (0): To control aphids, leafhoppers, leafminers, lygus bugs, and mites, apply 1/2 to 1 1/2 teaspoons per gallon

of water (1 to 2 pints per acre)

Broccoli (7), Cabbage (7), Cauliflower (7) To control aphids, apply 1/2 to 1 1/2 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 1/2 teaspoons per gallon of water (1 to 2 pints per acre).

Meatless (3) To control aphids, leafhoppers, leafminers, and thrips, apply 1 1/2 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).

Restriction: Make only one application per season
Peppers (0) To control aphids, leafminers, pepper maggots, apply 1/2 to 1 1/2 teaspoons per gallon of water (1 to 2 pints per acre).

Potatoes (0), Tomatoes (7) To control aphids, grasshoppers, leafhoppers and leafminers, apply 1/2 to 1 1/2 teaspoons per gallon of water (1 to 2 pints per acre).

FRUITS AND NUTS

FRUITS: Restriction: Do not allow livestock to graze in treated orchard

Apples (28) To control apple maggot * and codling moth * * apply 2 teaspoons per gallon of water (2 pints per acre). Do not apply during the bloom period. Apply at petal-fall and every 10 to 14 days thereafter until control is achieved.

1 gallon per 290 sq. ft.

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¹ Under heavy infestations, some sting injury may occur. Midwest and eastern states only. Apples (28), Pears (28). To control aphids, leathoppers 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, Orange, 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 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 during 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 leathoppers apply 1/2 teaspoon per 1000 sq ft

(1 1/2 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.

Spot sprays: For localized housefly control, apply a spray containing 2 1/2 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 1/2 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.

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.

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