



CYTHON[®] 5 EC

ACTIVE INGREDIENT:

Malathion (O,O-dimethyl phosphorodithioate of diethyl mercaptosuccinate)	56.4%
INERT INGREDIENTS*	43.6%
TOTAL	100.0%

* Contains xylene range aromatics

KEEP OUT OF REACH OF CHILDREN CAUTION

See Below For Additional Precautionary Statements

EPA REG. NO. 34704-457

EPA EST. NO. _____

NET CONTENTS _____ GALLONS

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* CYTHON is a Registered T.M. of American Cyanamid Co.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if swallowed. Avoid breathing of spray mist. Avoid contact with skin. Wash thoroughly after handling. Do not contaminate food or feed products. Keep container closed and away from heat, sparks and open flame.

Use only with adequate ventilation. After using this product indoors, ventilate thoroughly before occupying enclosed spaces. Do not allow contact with treated surface until sprays have dried.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish, aquatic invertebrates, and aquatic life stages of amphibians. Do not apply directly to water except as specified on this label. Do not contaminate water when disposing of equipment washwaters.

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds: if bees are visiting the treatment area.

PHYSICAL OR CHEMICAL HAZARDS

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

DIRECTIONS FOR USE

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

REENTRY STATEMENT

Do not enter treated areas without protective clothing until sprays have dried. Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information. Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. Oral warnings must be given if there is reason to believe that written warnings

cannot be understood by workers. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Written or oral warnings must include the following information:

CAUTION

(Insert area or field description) treated with Malathion on (insert date of application.)

In case of accidental exposure: Call a doctor (physician), clinic or hospital immediately. Explain that the victim has been exposed to Malathion and describe his condition. For further information see the "STATEMENT OF PRACTICAL TREATMENT" portion of the pesticide label.

Do not enter treated areas without protective clothing until sprays have dried.

STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food or feed by storage or disposal. Do not store under conditions which might adversely affect the container or its ability to function properly.

STORAGE: Do not store below temperature of 0°F. If frozen, warm to 40°F. and dissolve before using by rolling or shaking the container. Keep container tightly closed when not in use. Reduce stacking height where local conditions can affect package strength. Personnel should use clothing and equipment consistent with good pesticide handling.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixtures, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Plastic: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. Metal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved of by state and local authorities.

DIRECTIONS FOR DILUTION

Dilute Application: Ground Application: Row Crops: Apply specified rate in 20 to 60 gallons of water per acre.

Concentrate Application: Row Crops: Apply specified rate in not less than 5 gallons of water per acre **Orchard Application:** Apply equivalent rate per acre in 20 to 100 gallons of water. Special concentrate equipment is necessary for these uses.

Air Application: Apply specified rate in 5 to 20 gallons of water per acre for field and vegetable crops. Orchard rates should not be applied in less than 10 gallons of water per acre. Use an equivalent per acre rate on orchards.

CHEMIGATION:

Refer to supplemental labeling entitled "APPLICATION THROUGH IRRIGATION SYSTEMS—CHEMIGATION" for use directions for chemigation. Do not apply this product through any irrigation systems unless the supplemental labeling on chemigation is followed.

APPLICATIONS

Maximum permissible rate per acre, expressed as CYTHON 5 EC, is given in parenthesis (), after each crop claim.

Alfalfa, Clover: Alfalfa Weevil Larvae, Aphids, Grasshoppers, Leafhoppers, Lygus Bugs, Spider Mites, Spittlebugs, Spotted Alfalfa Aphids, Clover Leaf Weevils, Vetch Bruchids. Apply 1 1/2 to 2 pts. per acre. **Armyworms.** Apply 2 pts. per acre. Do not apply to crops in bloom because of the danger to the bees. No time limitations.

Almonds: Aphids, Red Spiders. Apply 1 to 2 pts. per 100 gals. of water. **Peach Twig Borer.** Apply 1 to 1 1/2 pts. per 100 gals. of water. No time limitations. (24 pts.)

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Not Reviewed. Registrant claims to be in accordance with Reregistration of Pesticide Product Guidance for Phase 2 Response, Page 2.12, Active to Inert Change in Status.

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- Apples:** *Red Banded Leafroller, Woolly Apple Aphid, Green Apple Aphid, Rosy Apple Aphid, Forbes Scale, Bud Moth, Spider Mite, Mealy Bug.* Apply 1 to 1 1/2 pts. per 100 gals. of water. Do not apply within 3 days of harvest. May cause injury to McIntosh and Cortland varieties if applied within 4 weeks of harvest. (24 pts.)
- Apples (dormant and delayed dormant spray):** *Woolly Apple Aphid, Green Apple Aphid, Rosy Apple Aphid, Mites, Red Banded Leafroller.* Apply 1 pt. plus 1 gal. of Super 94 Oil per 100 gals. of water. Make full coverage sprays only. (24 pts.)
- Apricots:** *Aphids, Codling Moth, Orange Tortrix, Soft Brown Scale, Terrapin Scale.* Apply 1 1/2 to 2 pts. per 100 gals. of water. Do not apply within 7 days of harvest. For Codling Moth, apply at petal fall every 10 to 14 days thereafter until control is achieved. (16 pts.)
- Asparagus:** *Asparagus Aphid, Asparagus Beetle, Thrips.* Apply 2 pts. per acre. Do not apply within 1 day of harvest.
- Avocados:** *Greenhouse Thrips, Latania Scales, Omniverous Loopers, Orange Tortrix, Soft Brown Scale.* Apply 1 1/2 pts. per 100 gals. of water. Do not apply within 7 days of harvest (14 1/2 pts.)
- Barley:** *Aphids, Grasshoppers, Greenbugs.* Apply 1 1/2 pts. per acre. *Armyworms.* Apply 2 pts. per acre. *Cereal Leaf Beetles.* Apply 1 to 1 1/2 pts. per acre. Do not apply within 7 days of harvest.
- Beans (Lima, Green, Snap, Navy, Red Kidney, Wax, Cowpeas, Black-Eyed Peas, Dry Beans):** (California & Northwestern U.S.): *Aphids, Cucumber Beetles.* Apply 2 pts. per acre. *Japanese Beetles, Lygus Bugs.* Apply 1 1/2 to 2 pts. per acre. Air application for *Lygus Bugs.* Apply 1 1/2 pts. per 10 gals. of water. *Mexican Bean Beetles.* Apply 1 1/2 pts. per acre. *Mites.* Apply 1 to 1 1/2 pts. per acre. Do not apply within 1 day of harvest.
- Beets:** *Aphids.* Apply 1 1/2 to 2 pts. per acre. Do not apply within 7 days of harvest if tops are to be used as feed.
- Blackberries, Boysenberries, Dewberries, Loganberries, Raspberries:** *Aphids, Rose Scales.* Apply 3 pts. per acre. *Japanese Beetles, Leafhoppers, Mites, Thrips.* Apply 1 1/2 pts. per acre. Do not apply within 1 day of harvest.
- Blueberries:** *Japanese Beetle.* Apply 1 1/2 pts. per acre. Do not apply within 1 day of harvest.
- Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Kale, Mustard Greens:** *Aphids.* Apply 1 1/2 to 2 pts. per acre. *Cabbage Loopers, Imported Cabbageworms.* Apply 2 pts. per acre. Do not apply within 3 days of harvest on broccoli, 7 days on brussels sprouts, cabbage, cauliflower, kale, or mustard greens.
- Carrots:** *Aphids.* Apply 1 1/2 to 2 pts. per acre. Do not apply within 7 days of harvest.
- Celery:** *Leafhoppers, Aphids, Spider Mites.* Apply 1 1/2 pts. per acre. Do not apply within 7 days of harvest.
- Cherries:** *Black Cherry Aphids, Fruit Tree Leafrollers.* Apply 1 1/2 pts. per 100 gals. of water. *Bud Moths, Cherry Fruit Flies, Japanese Beetles.* Apply 1 pt. per 100 gals. of water. Do not apply within 3 days of harvest. May injure foliage of some varieties. (12 1/2 pts.)
- Citrus (Grapefruit, Kumquats, Lemons, Limes, Oranges, Tangerines, Tangolals):** *Black Scale, California Red Scale, Citricola Scale, Purple Scale, Soft Scale, Yellow Scale.* Apply 1 1/2 pts. per 100 gals. of water. *Florida Red and Purple Scales.* Apply 2 pts. per 100 gals. of water. *Thrips.* Apply 1 1/2 pts. per 200 gals. of water. Do not apply during full bloom. Do not apply within 7 days of harvest. (40 pts.)
- Clover:** *Aphids, Grasshoppers, Leafhoppers, Mites.* Apply 1 1/2 to 2 pts. per acre. *Clover Leaf Weevils.* Apply 1 1/2 pts. per acre.
- Collards:** *Aphids.* Apply 1 1/2 to 2 pts. per acre. *Caterpillars.* Apply 2 pts. per acre. *Harlequin Cabbage Bugs.* Apply 1 pt. per acre. Do not apply within 7 days of harvest.
- Corn (Field, Sweet, Pop):** *Aphids, Corn Rootworm Adults, Grasshoppers, Sap Beetles, Thrips.* Apply 1 1/2 pts. per acre. *Armyworms, Cereal Leaf Beetles.* Apply 1 1/2 to 2 pts. per acre. Do not apply within 5 days of harvest for grain or forage use. Caution: Injury may occur in the whorl and silk stages.
- Cotton:** *Aphids, Boll Weevils, Cotton Leaf Perforators, Cotton Leafworms, Leafhoppers, Lygus Bugs (plant bugs), Mites, Thrips, White Flies.* Apply 1 to 2 qts. per acre. *Fall Armyworm, Garden Webworms, Grasshoppers.* Apply 1 1/2 to 3 pts. per acre. No time limitations.
- Cowpeas:** *Grasshoppers.* Apply 1 1/2 to 2 pts. per acre. No time limitation.
- Cucumbers, Melons, Pumpkins, Squash:** *Aphids, Pickleworms, Spider Mites, Thrips.* Apply 1 1/2 pts. per acre. *Cucumber Beetle, Squash Vine Borer.* Apply 3 pts. per acre. Do not apply within 1 day of harvest on cucumbers, melons, or squash, 3 days on pumpkins. Do not apply unless plants are dry.
- Dandelions:** *Aphids.* Apply 1 1/2 to 2 pts. per acre. Do not apply within 7 days of harvest.
- Eggplant:** *Aphids, Spider Mites.* Apply 1 pt. per acre. *Lace Bug.* Apply 3 pts. per acre. Do not apply within 3 days of harvest.
- Endive (Escarole):** *Aphids, Mites.* Apply 1 1/2 to 2 pts. per acre. Do not apply within 7 days of harvest.
- Figs:** *Dried Fruit Beetles, Vinegar Flies.* Apply 2 qts. plus 1 to 2 gals. unsulfurized molasses per 100 gals. of water. Do not apply within 3 days of harvest. (4 pts.)
- Filberts:** *Apple Mealy Bug, Eye-Spotted Bud Moth, Filbert Aphid, Scale (Crawler Stage), Tingids.* Apply 1 pt. per 100 gals. of water. No time limitation. (4 1/2 pts.)
- Garlic:** *Aphids, Thrips.* Apply 1 1/2 to 2 pts. per acre. Do not apply within 3 days of harvest.
- Grain Berghum:** *Aphids (Greenbugs).* Apply 1 1/2 pts. per acre. Do not apply within 7 days of harvest.
- Grapes:** *European Fruit Lecanium, Leafhoppers, Mealy Bugs, Spider Mites, Terrapin Scale.* Apply 1 1/2 pts. per acre. *Overwintering Grape Phylloxera.* Apply 2 to 3 pts. per acre. Do not apply within 3 days of harvest. Note: May injure Ribier, Italia, Cardinal and Almeria varieties if applied after clusters appear.
- Grass, Grass Hay:** *Aphids, Leafhoppers, Grasshoppers.* Apply 1 1/2 to 2 pts. per acre. *Armyworms.* Apply 2 pts. per acre. No time limitation.
- Hops:** *Aphids, Mites.* Apply 1 pt. per acre. Do not apply within 7 days of harvest.
- Horseradish:** *Aphids.* Apply 1 1/2 to 2 pts. per acre. Do not apply within 7 days of harvest.
- Kohlrabi:** *Aphids.* Apply 1 to 2 pts. per acre. Do not apply within 7 days of harvest.
- Leeks:** *Aphids.* Apply 1 to 2 pts. per acre. *Onion Maggot Flies.* Apply 2 1/2 pts. per acre. *Thrips.* Apply 3 pts. per acre. Do not apply within 3 days of harvest.
- Lentils:** *Cowpea and Pea Aphids.* Apply 1 1/2 pts. per acre. Do not apply within 3 days of harvest.
- Leopedeza:** *Grasshoppers.* Apply 1 1/2 to 2 pts. per acre. No time limitation.
- Lettuce:** *Aphids, Leafhoppers.* Apply 2 pts. per acre. *Cabbage Looper.* Apply 3 pts. per acre. Do not apply on head lettuce within 7 days of harvest. 14 days on leaf lettuce.
- Lupines:** *Grasshoppers.* Apply 1 1/2 to 2 pts. per acre. No time limitation.
- Macadamia Nuts:** *Green Stink Bug.* Apply 1 1/2 pts. per 100 gals. of water. No time limitation. (24 pts.)
- Mushrooms:** *Mites, Phorid and Sclerid Flies.* Apply 2 1/2 pts. per 130 gals. of water per acre or 2 tablespoons per 3 gals. of water per 100 sq. ft. of bed. Do not apply within 1 day of harvest.
- Nectarines:** *Mites.* Apply 1 to 2 pts. per 100 gals. of water. *Plum Curculio.* Apply 2 pts. per 100 gals. of water. Do not apply within 7 days of harvest. Full coverage spray. For *Plum Curculio*, apply at petal fall and every 10 to 14 days thereafter until control is achieved. (16 pts.)
- Oats:** *Armyworms.* Apply 2 pts. per acre. *Cereal Leaf Beetle.* Apply 1 to 1 1/2 pts. per acre. *English Grain Aphid, Grasshoppers, Greenbugs.* Apply 1 1/2 pts. per acre. Do not apply within 7 days of harvest.
- Okra:** *Aphids.* Apply 1 1/2 pts. per acre. *Japanese Beetle.* Apply 2 pts. per acre. Do not apply within 1 day of harvest.
- Onions (Including Green Onions):** *Onion Maggots.* Apply 2 1/2 pts. per acre. *Thrips.* Apply 1 1/2 pts. per acre. Do not apply within 3 days of harvest.
- Papayas:** *Aphids, Mealy Bugs.* Apply 1 1/2 to 2 pts. per acre. No time limitation.
- Parsley:** *Aphids.* Apply 1 1/2 to 2 pts. per acre. Do not apply within 21 days of harvest.
- Paranipe:** *Aphids.* Apply 1 1/2 to 2 pts. per acre. Do not apply within 7 days of harvest.
- Peaches:** *Green Peach Aphid, Black Cherry Aphid, Black Peach Aphid, Rusty Plum Aphid, Japanese Beetle.* Apply 1 pt. per 100 gals. of water. *Cottony Peach Scale, Oriental Fruit Moth, Plum Curculio, Terrapin Scale.* Apply 2 pts. per 100 gals. of water. Do not apply within 7 days of harvest. Full coverage spray. For *Oriental Fruit Moth and Plum Curculio*, apply at petal fall and every 10 to 14 days thereafter until control is achieved. (14 1/2 pts.)
- Peanuts:** *Leafhoppers, Thrips.* Apply 1 1/2 pts. per acre. No time limitation.
- Pears:** *Codling Moth, Fruit Tree Leafroller, Plum Curculio, Red-Banded Leafroller.* Apply 2 pts. per 100 gals. of water. *Mealy Bugs, Mites, Pear Psylla.* Apply 1 to 2 pts. per 100 gals. of water. Do not apply within 1 day of harvest. For *Codling Moth and Plum Curculio*, apply at petal fall and every 10 to 14 days thereafter until control is achieved. (24 pts.)
- Peas:** *Aphids.* Apply 1 1/2 pts. per acre. *Pea Weevil.* Apply 1 1/2 to 2 pts. per acre. Do not apply within 7 days of harvest if vines are used as animal feed and 3 days if vines are not used as animal feed.
- Pecans:** *Aphids, Mites.* Apply 1 to 2 pts. per 100 gals. of water. No time limitation. (20 pts.)
- Peppers:** *Aphids.* Apply 1 pt. per acre. *Maggots.* Apply 2 1/2 pts. per acre. Do not apply within 3 days of harvest.
- Pineapple:** *Mealy Bugs.* Apply 1 gal. per acre. Do not apply within 7 days of harvest.
- Plums:** *Mealy Plum Aphid.* Apply 1 pt. per 100 gals. of water. Do not apply within 3 days of harvest. (16 pts.)
- Potatoes:** *Aphids, Leafhoppers, Mealy Bugs.* Apply 1 pt. per acre. *False Chinch Bugs.* Apply 1 1/2 pts. per acre. No time limitation.
- Prunes:** *Bud Moth, Mealy Plum Aphid.* Apply 1 pt. per 100 gals. of water. Do not apply within 3 days of harvest. Full coverage spray. (16 pts.)
- Quince:** *Codling Moth, Oriental Fruit Moth, Plum Curculio.* Apply 2 pts. per 100 gals. of water. Apply at petal fall and every 10 to 14 days thereafter until control is achieved. *Forbes Scale.* Apply 1 pt. per 100 gals. of water.

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Mites: Apply 1 to 2 pts. per 100 gals. of water. Do not apply within 3 days of harvest. (24 pts.)

Rutabagas: Aphids. Apply 1 1/2 to 2 pts. per acre. Do not apply within 7 days of harvest.

Rice (grain form): Rice Leafminer. Apply 2 1/2 pts. per acre. Rice Stink Bug. Apply 1 to 1 1/2 pts. per acre. Do not apply within 7 days of harvest.

Rutabagas: Aphids. Apply 1 1/2 pts. per acre.

Rye: Armyworms. Apply 2 pts. per acre. English Grain Aphid, Grasshoppers, Greenbugs. Apply 1 1/2 pts. per acre. Do not apply within 7 days of harvest.

Safflower: Aphids, Grasshoppers, Lygus Bugs, Thrips. Apply 1 1/2 to 2 pts. per acre. Do not apply within 3 days of harvest.

Safety: Aphids. Apply 1 1/2 to 2 pts. per acre. Do not apply within 7 days of harvest.

Shellots: Aphids, Thrips. Apply 1 1/2 to 2 pts. per acre. Do not apply within 3 days of harvest.

Soybeans: Green Cloverworm, Mexican Bean Beetle. Apply 3 pts. per acre. Do not apply within 7 days of harvest.

Spinach: Aphids. Apply 2 pts. per acre. Do not apply within 7 days of harvest.

Strawberries: Aphids, Spider Mites, Strawberry Root Weevil. Apply 1 1/2 pts. per acre. Field Crickets, Lygus Bugs, Spittlebug, Thrips. Apply 1 1/2 to 3 pts. per acre. Potato Leafhopper, Strawberry Leafroller, White Flies. Apply 1 1/2 to 2 1/2 pts. per acre. Do not apply within 3 days of harvest.

Sugar Beets: Aphids. Apply 1 1/2 to 3 pts. per acre. Grasshoppers. Apply 3 pts. per acre. Do not apply within 7 days of harvest if tops are to be used as food or feed. Do not apply within 3 days of harvest if tops are not to be used as feed or food.

Sweet Potatoes: Leafhoppers. Apply 1 1/2 to 2 pts. per acre. Morning Glory Leafminers. Apply 2 1/2 to 3 pts. per acre. Do not apply within 3 days of harvest.

Swiss Chard: Aphids. Apply 1 1/2 to 2 pts. per acre. Do not apply within 7 days of harvest.

Tobacco: Aphids. Apply 1 1/2 to 2 1/2 pts. per acre. Use maximum dosage in plant beds. No time limitation.

Tomatoes: Aphids. Apply 1 pt. per acre. Armyworms (California). Apply 2 1/4 qts. per acre. Drosophila. Apply 2 1/2 pts. per acre. Fruitworms (California). Apply 2 1/4 qts. per acre. Spider Mites. Apply 1 1/2 pts. per acre. Do not apply within 5 days of harvest. (California only—do not apply within 3 days of harvest.)

Turnips: Aphids, Cabbage Loopers, Imported Cabbageworms. Apply 1 to 2 pts. per acre. Do not apply within 3 days of harvest.

Vetch: Omnivorous Leaf Tier, Pea Aphid, Vetch Bruchid. Apply 1 1/2 to 2 pts. per acre. No time limitation.

Watercress: Aphids. Apply 1 1/2 to 2 pts. per acre. Do not apply within 7 days of harvest.

Wheat: Armyworms. Apply 2 pts. per acre. Cereal Leaf Beetles, English Grain Aphids. Apply 1 to 1 1/2 pts. per acre. Grasshoppers, Greenbugs. Apply 1 1/2 pts. per acre. Do not apply within 7 days of harvest.

STORED GRAINS

Before new grain goes into storage, a spray made by mixing 1 gal. of this concentrate in 25 gals. of water (1 pt. in 3 1/2 gals.) should be applied to walls, floors, and ceilings of grain bins, elevators and other storage areas including farm storage. Spray also grain handling equipment and truck beds. Spray all surfaces to the point of run-off, making sure the spray is driven into joints, corners, cracks, and crevices where insects may be concealed.

For protection of stored grain (wheat, oats, rice, corn, rye, barley, and grain sorghum) against infestation by many of the common insects which attack grain in storage, such as rice weevil, granary weevil, grain borers, cadella, saw-toothed grain beetle, confused flour beetle, red flour beetle, and Angoumois grain moth use 1 pt. of the concentrate in 2 to 5 gals. of water to each 1,000 bushels. Apply the spray uniformly as the grain is being loaded or turned into final storage. Standard spray applications, which can be calibrated to deliver a known volume, are suitable for the applications.

For small amounts of grain in farm storage, where special spray equipment may not be available, any low-pressure sprayer (holding one gallon or more) can be used. The spray should be applied to the grain stream as the grain is being elevated into storage. The first step is to determine, by means of spraying out a tank full of water, the rate at which the sprayer is discharging (e.g. fluid ounces per minute). Then regulate the flow of grain to get the proper amount of spray uniformly on the grain. For example, if the sprayer is calibrated to deliver 4 fluid ounces (1/4 pt.) per minute, then when using a mixture of 1 pt. of concentrate in 5 gals. of water the flow of grain should be 6 1/2 bushels per minute.

NOTICE

Manufacturer and Seller warrant that this product conforms to the chemical description on the label thereof and is reasonably fit for the purposes stated on such label only when used in accordance with the directions under normal use conditions. It is impossible to eliminate all risks inher-

ently associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Manufacturer and Seller. In no case shall Manufacturer and Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the buyer. Manufacturer and Seller make no warranties of Merchantability or fitness for a particular purpose nor any other express or implied warranty except as stated above.

FORMULATED FOR
PLATTE CHEMICAL COMPANY, INC.
150 SO. MAIN STREET FREMONT, NEBRASKA 68025

SUPPLEMENTAL LABELING ^{1/4}
APPLICATION THROUGH IRRIGATION SYSTEMS—CHEMIGATION



CYTHON[®]

5 EC

EPA REG. NO. 34704-457

Apply this product only through sprinkler, including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move; irrigation system(s). Do not apply this product through any other type of irrigation system.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from nonuniform distribution of treated water.

If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

CHEMIGATION SYSTEMS CONNECTED TO PUBLIC WATER SYSTEMS

Note: Platte Chemical Company does not encourage connecting chemigation systems to public water supplies. The following information is provided for users who have diligently considered all other application and water supply options before electing to make such a connection.

Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.

Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift beyond the area intended for treatment.

SPRINKLER CHEMIGATION

The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift beyond the area intended for treatment.

Mix in clean supply tank the recommended amount of this product for acreage to be covered, and needed quantity of water.

This product should not be tank-mixed with other pesticides, surfactants or fertilizers unless prior use has shown the combination noninjurious under your conditions of use.

Follow precautionary statements and directions for all tank-mix products.

On all crops, use sufficient gallonage of water to obtain thorough and uniform coverage, but not cause runoff or excessive leaching. This will vary depending on equipment, pest problem and stage of crop growth. Application of more or less than optimal quantity of water may result in decreased chemical performance, crop injury or illegal pesticide residues.

Meter this product into the irrigation water uniformly during the period of operation.

Do not overlap application. Follow recommended label rates, application timing, and other directions and precautions for crop being treated.

Continuous mild agitation of pesticide mixture may be needed to assure a uniform application, particularly if the supply tank requires a number of hours to empty.

ALL APPLICABLE RESTRICTIONS, PRECAUTIONS, AND DIRECTIONS ON THE EPA REGISTERED PRODUCT LABEL MUST BE FOLLOWED.

FORMULATED FOR
PLATTE CHEMICAL COMPANY, INC.

150 SO. MAIN STREET FREMONT, NEBRASKA 68025

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