

PM-14

Reg # 5905-196

13



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

NOV 06 1995

5448071

335
17

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Ms. Judy Oldham
Manger, Registration Services
Helena Chemical Co.
6075 Poplar Avenue, Suite 500
Memphis, TN 38119

Dear Ms. Oldham:

Subject: Deletion of Malathion Uses
Cythion the Premium Grade Malathion
EPA Registration No. 5905-196
Agency Malathion Letter of June 15, 1992
Your Application of July 31, 1992, As Amended
July 27, 1993
Federal Register Notice of September 30, 1994

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, As Amended (FIFRA), is acceptable, provided that you:

Submit one copy of your final printed label incorporating the following corrections before you release the product for shipment.

1. In accordance with PR Notice 93-3, the environmental hazard statement, "Do not apply directly to water or wetlands (i.e., swamps, bogs, marshes, and potholes)." must be updated to read as stated below.

"For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark."

2. Malathion products labeled for use on the agricultural crops, beans, peas, lentils, cotton, and grain sorghum require a restriction prohibiting the grazing/feeding of the treated crop foliage (bean and pea vines/forage and straw/hay, sorghum forage, fodder/stover and hay, lentil forage and hay, and cotton forage) by livestock.

This restriction is being required in lieu of providing the appropriate supporting residue chemistry studies under 171-4 (Magnitude of the Residue in Plants) as required under the Malathion Reregistration Standard, February 1988.



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

3. Under the heading, "celery", change the claim for use on "anise" to read "sweet anise".

4. Under the heading, "grain crops", delete the statement, "Postharvest storage treatment only." The use of malathion as an emulsifiable concentrate formulation on stored grains is not being supported.

5. In the directions for treatment of the empty grain storage facilities, under the heading, "grains-residual spray-before storing", specify the grains to be stored there; i.e. corn, barley, oats, rye and wheat.

6. Under the heading, "flies", the directions for use in the control of fly maggots in manure ("manure or poultry droppings") appears to conflict with the instructions not to use inside buildings. It also appears to conflict with the listing of unsupported indoor uses appearing as attachment II to the Agency's June 15, 1992 letter. That listing includes manure piles, poultry houses and animal premises.

Therefore, the directions for use of the product in manure or poultry droppings must either be deleted from the label or clarified to avoid the inadvertent use of the product on the unsupported sites.

Please refer to the enclosed copy of the above referenced attachment.

7. Under the directions for eggplant, delete the inappropriate reference, "on green onions" in the sentence, "Do not apply within 3 days on green onions."

8. The crop listing, "Barn grass, canary grass, fescue, _____" appears twice on page 5 of the label. Delete the second listing.

9. Delete the added claim for use on "ornamental lawns and turf". Your label contains no directions for use on these sites.

10. The statement, "Application of this product to any body of water is prohibited." conflicts with the mosquito larvae control directions for use in specified aquatic areas. The statement must either be deleted or revised so as not to conflict with the specified aquatic use.

11. This labeling does not bear the required Worker Protection statements as outlined in PR Notices 93-7 and 93-1. We note that you have submitted labels in accordance with the instructions in those Notices and that the labels were accepted by the Agency. The new protective language in those submissions must be incorporated into the final printed labeling before you release the product for shipment.

If this condition is not complied with, the registration

will be subject to cancellation in accordance with FIFRA sec.
6(e). Your release for shipment of the product bearing the
amended labeling constitutes acceptance of this condition.

A stamped copy of the label is enclosed for your records.

Sincerely yours,

Robert A. Forrest
Product Manager (14)
Insecticide-Rodenticide Branch
Registration Division (7504C)

39-13
7

BEST AVAILABLE COPY

CYTHON®
THE PREMIUM GRADE MALATHION

ACCEPTED
with COMMENTS
in EPA Letter Dated

NOV 0 5 1995

ACTIVE INGREDIENT:
Malathion*: O,O-dimethyl phosphorodithioate of
diethyl mercaptosuccinate..... 56.44%
INERT INGREDIENTS**..... 43.56%
TOTAL..... 100.00%

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.

5905-196

ONE GALLON OF CYTHON CONTAINS 5 POUNDS OF MALATHION
Registered Trademark of Cheminova, Inc.

KEEP OUT OF REACH OF CHILDREN
CAUTION - PRECAUCION

PRECAUCION AL USARIO: Si usted no lee ingles, no use este producto hasta que le etiqueta
haya sido explicado ampliamente.

SEE INSIDE BOOKLET FOR ADDITIONAL PRECAUTIONS AND DIRECTIONS FOR USE.

EPA REG. NO. 5905-196
EPA EST. NO.

NET CONTENTS;

Manufactured by
HELENA CHEMICAL COMPANY
MEMPHIS, TN. 38119

5913
02

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

CAUTION

May be harmful if swallowed. Do not take internally. Avoid contact with eyes, skin and clothing. Avoid breathing vapors, dust, or spray mist. Wash thoroughly after handling. Wash contaminated clothing before reuse. Flush contaminated eyes with plenty of water and get medical attention if irritation persists. Keep children and pets off treated areas until this material is washed into the soil and grass is dry.

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Control Center. Drink one or two glasses of water and induce vomiting by touching the back of throat. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person.

IF INHALED: Remove victim to fresh air. Apply artificial respiration if indicated.

IF IN EYES: Flush eyes for at least 15 minutes with water. Call physician immediately.

IF ON SKIN: Immediately wash with plenty of soap and water while removing contaminated clothing and shoes. Get medical attention.

Note to Physicians: This product is a cholinesterase inhibitor. Atropine is antidotal. 2-PAM may be effective as an adjunct to atropine.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish, aquatic invertebrates, and aquatic life stages of amphibians. Do not apply directly to water or wetlands (i.e., swamps, bogs, marshes, and potholes). Drift and runoff may be hazardous to aquatic organisms in area near the application site. 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.

DIRECTIONS FOR USE

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

CHEMIGATION PROHIBITION

Do not apply this product through any type of irrigation system.

RE-ENTRY STATEMENT

DOES NOT APPLY TO MOSQUITO CONTROL APPLICATION IN POPULATED AND

6 9 13
3

RURAL AREAS.

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.

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

Protective clothing means, at least, a hat or other suitable head covering, a long-sleeved shirt and long-legged trousers or a coverall type garment (all of closely woven fabric covering the body, including the arms and legs), shoes and socks.

Because certain states may require more restrictive re-entry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

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. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information. **CAUTION!** Area treated with Malathion on (date of application). Do not enter without appropriate protective clothing until sprays have dried. See Statement of Practical Treatment and Precautionary Statements for actions to be taken in case of accidental exposure.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

STORAGE: Store in a dry place.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved disposal facility.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

GENERAL INFORMATION

BEANS (Lima, Green, Snap, Navy, Red Kidney, Wax, Cowpeas, Blackeyed Peas): Mexican Bean Beetle - 1-1/2 pts. Spider Mites - 1-1/2 pts. Japanese Beetle* - 1-1/2 - 2 pts. Aphids, Cucumber Beetle, Potato leafhoppers, Lygus bugs - 2 pts. *Make 2 or more applications as needed. Do not apply within 1 day of harvest.

DRY BEANS (California and Northwestern U.S.): Lygus Bugs - 1-1/2 - 2 pts. Do not apply

within 1 day of harvest.

COLE CROPS AND LEAFY VEGETABLES: Broccoli, Turnips (do not apply within 3 days of harvest), Brussels Sprouts, Cabbage, Collards, Dandelions, Kale, Kohlrabi, Mustard Greens, Swiss Chard, Watercress (do not apply within 7 days of harvest), Parsley (do not apply within 21 days of harvest) - Harlequin, Cabbage Bug (on Collards only) - 1 pt. Imported Cabbage Worm, Cabbage Looper, and Diamondback Moth.* - *For control of cabbage loopers, worms, and diamondback moths, Cythion should be used in combination with other recommended insecticides.

CELERY (Anise* and Fresh Leaves and Stalks only): Aphids, Spider Mites - 1-1/2 pts. *Not for use on seed and oil crop. Do not apply within 7 days of harvest.

LETTUCE: Aphids, Leafhoppers, Spider Mites - 2 pts. Cabbage Looper - 3 pts. Do not apply to leaf lettuce within 14 days of harvest; do not apply to head lettuce within 7 days of harvest.

SPINACH: Aphids - 2 pts. Do not apply within 7 days of harvest.

CORN (Sweet): Japanese Beetle - 2 pts. Do not apply within 5 days of harvest. Injury may occur in the whorl or to the silks.

CORN (Grain or Forage): Aphids, Corn Earworm, Corn Rootworm Adults, Grasshoppers, Sap Beetle, Thrips - 1-1/2 pts. For control of corn earworm and sap beetles, begin treatments when 10% of the ears show silk. Repeat applications at 3-5 day intervals until 4-5 applications have been made. Do not apply within 5 days of harvest or forage use. Armyworms - 1-1/2 - 2 pts. Injury may occur in the whorl and silk stages with CYTHION.

CUCURBITS: Cucumbers: Aphids, Spider Mites, Pickleworm - 1-1/2 pts. Cucumber Beetle, Leaf miner - 2 pts. Squash vine borer - 3 pts.
Do not apply unless plants are dry. Apply uniformly over soil around base of plants. Do not apply within 1 day of harvest.

ENDIVE: Cowpea Aphid, Pea Aphid - 1-1/2 - 2 pints. Do not apply within 7 days of harvest.

SQUASH: Alfalfa Loopers,* - *For control of loopers, CYTHION should be used in combination with other recommended insecticides. Aphids, Spider Mites - 1-1/2 pts. Pickleworm - 2 pts. Squash Vine Borers, Cucumber Beetles - 3 pts. Do not apply unless plants are dry. Do not apply within 1 day of harvest.

EGGPLANT: Aphids, Spider Mites - 1 pt. Lace Bug - 3 pts. Apply uniformly over soil around base of plant. Do not apply within 3 days on green onions.

FIELD CROPS

COTTON: Brown Cotton Leafworm, Cotton Aphid, Cotton Leafworm, Cotton Leafperforator, Desert Spider Mite, Leafhoppers, Lygus Bugs, Thrips, Whiteflies - 1/2 - 2 pts. Boll Weevil - 2 - 4 pts. Cotton Fleahoppers - 1 - 1-1/2 pts. May be applied on the day of harvest.

Consult local agricultural authorities for exact time of application. **Fall Armyworms, Garden Webworms, Grasshoppers** - 1-1/2 - 3 pts. May be applied on the day of harvest. **Lygus Bugs, Thrips** - 1 - 4 pts.

MINT: Aphids, Spider Mites, Leafhopper, Adult Flea Beetles, Caterpillars - 1-1/2 pts. Do not apply within 7 days of harvest.

RICE: Rice Leaf Miner - 2-1/2 pts. Make first application shortly after the first rice blades appear on the surface of the water and repeat if necessary. Do not apply within 7 days of harvest. **Rice Stink Bug** - 1 - 1-1/2 pts. Do not apply within 7 days of harvest.

TOMATOES (outdoor): Spider Mites - 1-1/2 pints. Do not apply within 1 day of harvest. **Aphids** - 1 pint. Do not apply within 1 days of harvest. **Drosophila** - 2-1/2 pints. Do not apply within 1 day of harvest. **Armyworm, Fruit worms (California only)** - 2-3/4 quarts. Do not apply within 3 days of harvest.

VETCH: Pea Aphid, Vetch Bruchid - 1-1/2 - 2 pts. Do not apply within 7 days of harvest or pasturing.

ALFALFA: Aphids, Potato Leafhopper, Spider Mites, Alfalfa Weevil Larvae, Spittlebug, Grasshoppers, Lygus Bug, Spotted Alfalfa Aphid, Stink Bugs - 1-1/2 - 2 pts. **Clover Leaf Weevil** - 1-1/2 pts. **Pea Aphid** - 1 pt. **Armyworms** - 2 pts. **Vetch Bruchid** - 2 - 2-1/2 pts. Apply to alfalfa in bloom only in the evening or early morning when bees are not working in the field or are not hanging on outside of hives. May be applied on the day of harvest.

CLOVER: Alfalfa Weevil Larvae, Aphids, Spider Mites, Lygus Bugs, Grasshoppers, Potato Leafhoppers, Spittlebugs - 1-1/2 - 2 pts. **Clover Leaf Weevil** - 1-1/2 pts. **Armyworms** - 2 pts. Do not apply to clover in bloom. May be applied on day of harvest.

SORGHUM: Greenbugs - 1-1/2 pts. Do not apply within 7 days of harvest or forage use.

GRASS CROPS

Grass & Grass Hay: Grasshoppers, Aphids, Leafhoppers - 1-1/2 - 2 pts. or 1-1/2 pts. in 1 gal. diesel fuel oil*. **Armyworms** - 2 pts. OR 1-1/2 pts. in 1 gal. diesel fuel oil*. *Apply by aircraft or turbine-blower sprayer.

Pasture & Range Grass: Grasshoppers, Aphids, Leafhoppers - 1-1/2 - 2 pts. OR 1-1/2 pts. in 1 gal. diesel fuel oil.* *Apply by aircraft or turbine-blower sprayer.

Barn Grass, Canary Grass, Fescue, Orchard Grass, Red Top, Timothy, Yellow Foxtail: Cereal Leaf Beetle - 1 - 1-1/2 pts. May be applied on the day of harvest or grazing.

Barn Grass, Canary Grass, Fescue, Orchard Grass, Red Top, Timothy, Yellow Foxtail: Cereal Leaf Beetle - 1 - 1-1/2 pts.

NON-AGRICULTURAL LANDS (Wasteland, Roadside, Soil Bank, Land not to be grazed): Grasshoppers - 1-1/2 - 3 pts. OR 1-1/2 - 3 pts. in 1 gal. diesel fuel oil.* *Apply by aircraft or turbine blower sprayer. Repeat applications may be needed after hatching and before movements to

crops to take place.

GRAIN CROPS

Barley, Corn, Wheat: Cereal Leaf Beetle - 1-1/2 pts. Postharvest storage treatment only.

Barley, Rye, Wheat, Oats: English Grain Aphid, Greenbugs, Grasshoppers* - 1-1/2 pts.

*makes full coverage to hatching areas when nymphs are young. **Armyworms** - 2 pts. Postharvest storage treatment only.

GRAINS - RESIDUAL SPRAY - BEFORE STORING: (For walls, floors, and machinery in grain elevators, in treating truck beds, boxcars, and ships holds before loading grain): Use 1 gallon per 25 gallons of water. Make thorough application. Before applying spray, clean elevators, boxcars, truck beds, etc. thoroughly. Remove and burn all sweepings and debris.

GARLIC LEEKS, SHALLOTS: Aphids, Thrips - 1-1/2 - 2 pts. Apply uniformly over soil around base of plant. Do not apply within 3 days of harvest.

LENTILS: Cowpea Aphid, Pea Aphid - 1-1/2 pints. Do not apply within 3 days of harvest.

MUSHROOMS: Mites - 2-1/2 pts. per 130 gal. OR 1 tbs. per 100 sq. ft. of bed. **Phorid and Sciariid Flies** - 2-1/2 pts. per 130 gals. or 1 tbs. per 100 sq. ft. of bed. Make thorough application as soon as possible after picking, repeat applications as necessary, usually twice a week. Do not apply within 1 day of harvest.

ONION: Thrips - 1-1/2 pts. **Onion Maggots** - 2-1/2 pts. Do not apply within 3 days on Green Onions.

PEAS: Alfalfa Loopers, Celery Loopers - For control of loopers, **CYTHION** should be used in combination with other recommended insecticides. Do not apply within 3 day of harvest.

OKRA: Aphids - 1-1/2 pts. **Japanese Beetle** - 2 pts. Do not apply within 1 day of harvest.

PEPPERS: Aphids - 1 pt. **Pepper Maggots** - 2-1/2 pts. Do not apply within 3 days of harvest.

POTATOES: Aphids, Grasshoppers, Leafhoppers - 2 pt. **False Chinch Bugs** - 1-1/2 pts. **Mealybugs** - 2 - 2-1/2 pts. May be applied on the day of harvest.

ROOT CROPS

BEETS* (Table & Garden): Aphids - 1-1/2 - 2 pts. *If tops are to be used as feed. Do not apply within 7 days of harvest.

HORSERADISH, PARSNIPS: Aphids - 1-1/2 - 2 pts. Apply uniformly over soil around base of plants.

RADISHES, SALSIFY: Aphids - 1-1/2 - 2 pts. Do not apply within 7 days of harvest.

10 9 13
4

RUTABAGAS: Aphids - 1-1/2 pts. Do not apply within 3 days of harvest.

SWEET POTATOES: Leafhoppers - 1-1/2 - 2 pts. Morning-glory Leafminers - 1-1/2 - 3 pts. Do not apply within 3 days of harvest.

TREE & FRUIT CROPS

APRICOTS: Codling Moth, Orange Tortrix, Terrapin Scale, Soft Brown Scale, Aphids - 1-1/2 - 2 pts. Do not apply within 7 days of harvest.

AVOCADOS: Latania Scale, Greenhouse Thrips, Omnivorous Looper, Orange Tortrix, Soft Brown Scale - 1-1/2 pts. Do not apply within 7 days of harvest.

CHERRIES: Black Cherry Aphid, Fruit Tree Leaf Roller - 1-1/2 pts. Cherry Fruit Fly, Bud Moth - 1 pt. Injury may occur on certain varieties of sweet cherries particularly in the northwest. Do not apply within 3 days of harvest. May injure foliage on some varieties.

CITRUS - (CONSULT LOCAL SPRAY SCHEDULES FOR RECOMMENDED VOLUMES OF SPRAY PER ACRE.) Grapefruit, Lemons, Limes, Oranges, Tangerines, Tangelos, Kumquats: California Red Scale, Yellow Scale, Purple Scale, Black Scale (single and off brooded), Soft Scale, Citricola Scale - 1 - 1-1/2 pts. Do not apply within 7 days of harvest.

FIGS: Dried Fruit Beetles, Vinegar Beetles - 2 qts. plus 1-2 gals. unsulfurized molasses per acre. Do not apply within 3 days of harvest.

NOTE: Rates per acre in sufficient water for thorough coverage. Injury may occur on Grapes of Ribier, Italia, Cardinal, and Almeria varieties when sprays containing CYTHION are applied after the clusters appear.

NURSERY STOCK, GRAPES VINES: Overwintering Grape Phylloxera*, *For the control of over-wintering grape phylloxera on nursery stock grape vines, remove excess soil from the roots and dip in a solution made up of 1 to 1-1/2 pints of CYTHION emulsifiable liquid in 50 gallons of water. Submerge the entire root system in the solution for 5 minutes. Keep the solution agitated at all times. Fifty gallons of solution will treat approximately 500 nursery stock grape vines. Do not apply within 3 days of harvest. Emulsion may cause injury to foliage on some varieties.

GRAPES: Leafhoppers, Spider Mites - 1-1/2 pts. Do not apply within 3 days of harvest. European Fruit Lecanium - 1-1/2 pts. Make full coverage applications when newly hatched nymphs are migrating over vines, usually shortly after bloom. Do not apply within 3 days of harvest. The rates for use on grapes are based on a standard of 200 gallons per acre dilute spray. Injury may occur on grapes of Almeria, Cardinal, Italia and Ribier varieties when sprays containing CYTHION are applied after clusters appear.

NECTARINES: Plum Curculio - 2 pts. Mites - 1 - 2 pts. Application of this mixture should be made only in the petal fall period. Do not apply within 7 days of harvest.

PEACHES: Oriental Fruit Moth, Plum Curculio, Terrapin Scale, Cottony Peach Scale - 2 pts.

11 9 13
78

Green Peach Aphid, Black Cherry Aphid, Black Peach Aphid, Rusty Plum Aphid, Japanese Beetle - 1 pt. Do not apply within 7 days of harvest.

BLACKBERRIES, BOYSENBERRIES, DEWBERRIES, LOGANBERRIES, RASPBERRIES: Mites, Thrips, Leafhoppers, Japanese Beetle - 1-1/2 pt. Aphids, Rose Scale - 3 pts. Do not apply within 1 day of harvest.

RASPBERRIES: Sap Beetle - 1-1/2 - 2 pts. Do not apply within 1 day of harvest.

BLUEBERRIES: Blueberry Maggot.*

*Blueberry Maggots in the Northeast: 1 pt. of CYTHON Emulsifiable Liquid plus 1-1/2 qts. of Staley's Sauce Base # 7 in 100 gals. of water per acre and apply by ground or air equipment. Preharvest interval - 8 hours.

BLUEBERRIES: Japanese Beetle - 1-1/2 pts.

STRAWBERRIES: Aphids, Spider Mites, Strawberry Root Weevil - 1-1/2 pts. Lygus Bugs, Spittlebugs, Field Crickets, Thrips - 1-1/2 - 3 pts. Potato Leafhopper, Strawberry Leafroller, Whiteflies - 1-1/2 - 2-1/2 pts. Do not apply within 3 days of harvest.

PECANS: Spider Mites, Aphids, Pecan Nut Casebearer, Pecan Phylloxeras, Pecan Bud Moth - 1 - 2 pts.

ORNAMENTALS*

Ornamental Flowering Plants, Ornamental Lawns and Turf, Ornamental Nursery Stock, Ornamental Woody Plants, Pine Seed Orchards, Uncultivated Non-Agricultural Areas, Christmas Tree Plantations: Oyster Shell Scale, Lace Bug - 1 pt. Euonymus Scale - 1 - 1-1/2 pts. Aphids, Mealy Bugs, Spider Mites, Whitefly, Fourline Leaf Bug, Japanese Beetle Adult, Potato Leafhopper, Tarnished Plant Bug, Thrips, Rose Leafhopper, European Pine, Shoot Moth,

Scurfy Scale - 1-1/2 pts. *Apply sufficient amount for good coverage. Birch Leaf Miner, Boxweed Leaf Miner, Bagworms, Tent Caterpillars. Azalea Scale, Oak Kermes*, Pine Leaf Scale, Magnolia Scale - 2 pts. Apply when scale crawlers have settled on foliage. Fletcher Scale*, Florida Red Scale* - 2 pts. *Apply when scale crawlers have settled on foliage.

Black Scale Crawlers, Monterey Pine Scale, Soft Scale - 2-1/2 pts. Pine Needle Scale - 4 pts. Wax Scale - 2 qts.* *Apply in the spring when crawlers are active. Repeat 1 or 2 full coverage applications at 10 days intervals. NOTE: Apply sufficient amount for good coverage.

GREENHOUSE (around greenhouses and gardens): Millipedes, Springtails, Sowbugs. Mix 1 teaspoonful of CYTHON in 1 gal. of water and apply to 150 square feet of soil surface or where insects congregate. Repeat at 7 to 10 day intervals as needed.

SLASH PINE- Ornamental Nursery Stock, Pine Seed Orchards, Christmas Tree Plantations For control of slash pine flower thrips, apply CYTHON, THE PREMIUM GRADE MALATHION as follows:

Ground Application - Mix 1-1/4 gallons of CYTHON per 100 gallons of water; apply at a mini-

imum rate of 3/4 gallon per tree on the smallest flowering trees. Mist blowers or airblast sprays may be used.

Aerial Application - Mix 2-1/2 quarts of CYTHION in at least 5 gallons of water; apply at a minimum rate of 5 gallons per acre.

Make two applications, the first when female flowers are twig bud stage, the second one week prior to maximum flower receptivity to pollen.

Do not allow workers to reenter fields to engage in any activity requiring substantial contact with treated foliage for one day (24 hours) following application. Do not harvest trees within 24 hours of application.

MOSQUITOES

OUTDOOR ADULT MOSQUITO CONTROL: For control of mosquitoes outdoors, use a 2% to 5% Malathion area or fog spray. For a 2% spray dilute 1 part of CYTHION with 28 parts of water; for 5% dilute 1 to 11. Repeat as necessary.

Treat shrubbery and vegetation where mosquitoes may rest. Shrubby and vegetation around stagnant pools, marshy areas, ponds, and shore lines may be treated. Application of this product to any body of water is prohibited.

MOSQUITO LARVAE CONTROL: For control of mosquito larvae in standing water intermittently flooded areas, stagnant water, and temporary rain pools, apply 13 ounces of CYTHION per acre. Mix in sufficient water or oil to obtain even coverage when applied by air or ground equipment. NOTE: BROADCAST USE ONLY OVER INTERMITTANTLY FLOODED AREAS. APPLICATION MAY NOT BE MADE AROUND BODIES OF WATER WHERE FISH OR SHELLFISH ARE GROWN AND/OR HARVESTED COMMERCIALY. CONTAMINATION OF SHALLOW, FISH-BEARING WATERS MAY KILL FISH.

FLIES

For the control of flies around buildings which house domestic animals, around yards and around homes, apply a spray containing 2 gallons of CYTHION in 100 gallons of water. Apply the spray at the rate of one gallon per 1,000 square feet on painted surfaces, and two gallons per 1,000 square feet on unpainted surfaces where flies alight or congregate, such as outside walls, stanchions, windows outside dairy barns, fences, around garbage cans, etc. Repeat applications as necessary. For a bait spray, use 2 gallons of CYTHION with two gallons of unsulfurized molasses or corn syrup, or 20 pounds of sugar per 100 gallons of water. Use 3 gallons of this product with 40 pounds of sugar per 100 gallons if the fly population is severe. Repeat applications as necessary. Do not use inside buildings.

To control fly maggots in manure, use 2 gallons of CYTHION with 2 gallons of unsulfurized molasses or corn syrup or 20 pounds of sugar per 100 gallons of water. Apply as a drench spray over the surface of manure or poultry droppings. Repeat applications as necessary.

**CONDITIONS OF SALE - LIMITED WARRANTY
AND LIMITATIONS OF LIABILITY AND REMEDIES**

The directions on this label are believed to be reliable and should be followed carefully. Insufficient control of pests and/or injury to the crop to which the product is applied may result from the occurrence of extraordinary or unusual weather conditions, the failure to follow the label directions, or good application practices, all of which are beyond the control of Helena Chemical Company (the "Company") or seller. In addition, failure to follow label directions may cause injury to crops, animals, man or the environment. The Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose referred to in the directions for use subject to the factors noted above which are beyond the control of the Company. The Company makes no other warranties or representations of any kind, express or implied, concerning the product, including no implied warranty of merchantability or fitness for any particular purpose, and no such warranty shall be implied by law.

The exclusive remedy against the Company for any cause of action relating to the handling or use of this product is a claim for damage and in no event shall damages or any other recovery of any kind against the Company exceed the price of the product which causes the alleged loss, damage, injury, or other claim. The Company shall not be liable and any and all claims against the Company are waived for special, indirect, incidental, or consequential damages or expense of any nature, including, but not limited to, loss of profits or income.

The Company and the seller offer this product and the buyer and user accept it, subject to the foregoing conditions of sale and limitation of warranty, liability and remedies.