

PM 04 19713-217

9/28/98

SS-49209 Page 177



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

SEP 28 1998

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Ms. Luz G. Chan
Registration Manager
Drexel Chemical Company
P.O. Box 13327
Memphis, TN 38113-0327

Dear Ms. Chan:

Subject: Deletion of Unsupported Malathion Uses
Malathion 5 EC
EPA Reg. No. 19713-217
CSF Submitted November 17, 1997
Label Submitted January 26, 1998
Federal Register Notice of March 18, 1991

We have reviewed the finished labeling transmitted as a notification on January 26, 1998 and the results of that review are described below. It is our understanding, as stated in your letter of January 26, 1998, that the subject label replaces the November 17, 1997 revised finished label which was submitted in response to our deficiency letter of June 2, 1997.

Please note that revised labeling submitted for the purpose of addressing deficiencies set forth in a previous letter should not be submitted as a finished labeling nor as a notification.

The label 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. Under the directions for use on squash, correct the pre-harvest interval from 3 days to 7 days as it appears on the registered label and on the proposed label submitted April 28, 1995 for the subject product.
2. Under the directions for use on small grains, correct the pre-harvest interval statement to read as stated below so that it agrees with that appearing on the label submitted April 28, 1995 for the product.

"Do not apply within 7 days of harvest or forage use."

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 label constitutes acceptance of this condition.

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

The basic Confidential Statement of Formula (CSF) dated November 17, 1997 is acceptable and has been placed in our records for the subject product.

The alternate CSF dated November 17, 1997, however is not acceptable because the label registered for the source product cited on the alternate CSF does not allow for formulation into products for use on all of the sites appearing on the subject product label. The sites not appearing on the registered source label are: lentils, mustard, okra and nectarines.

You are advised that the alternate formulation submitted with your Notification of February 12, 1998, is also not acceptable. If you wish to pursue registration of the February 12, 1998 alternate formulation, you must address any generic data requirements that may have been imposed on the product under FIFRA 3(c)(2)B) and FIFRA section 4 because you would no longer be eligible for the formulator's exemption.

Your Formulator Exemption Statement, EPA Form 8570-27 submitted with your notification of February 12, 1998 is not acceptable since the product cited in item four of the Statement does not meet the formulator's exemption criteria. You are reminded that to qualify for the formulator's exemption, your source product must be a registered product and must be purchased by Drexel from another producer.

Sincerely,

Marilyn A. Mautz
Biologist
Insecticide-Rodenticide Branch
Registration Division (7504C)

347

ACCEPTED
with COMMENTS
in EPA Letter Dated:

SEP 28 1998



Drexel

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
19713-217

Malathion 5 EC

Insecticide / Miticide

ACTIVE INGREDIENT:

| | |
|---|---------------|
| Malathion [0,0-dimethyl phosphorodithioate of diethyl mercaptosuccinate] | 57.0% |
| OTHER INGREDIENTS: | 43.0% |
| TOTAL: | 100.0% |

This product contains 5 pounds of malathion per gallon at 68°F.

KEEP OUT OF REACH OF CHILDREN

WARNING / AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail).

See Statement of Practical Treatment Below
SHAKE WELL BEFORE USING

EPA Reg. No. 19713-217
EPA Est. No. 19713-GA-1

Net Contents: _____

PRACTICAL TREATMENT (FIRST AID)

IF SWALLOWED: Do not induce vomiting. Get medical attention.
IN CASE OF CONTACT: Immediately flush eyes and skin with plenty of water for at least 15 minutes. Call a physician. Wash clothing before reuse.
NOTE TO PHYSICIAN AND VETERINARIANS: This product may cause cholinesterase inhibition. Atropine is antidotal. 2-PAM may be effective as an adjunct to atropine.
Malathion is an organophosphate insecticide/miticide.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

WARNING: Harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing spray mist. Causes eye irritation. Do not get in eyes, on skin or on clothing.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category F on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear: Long-sleeved shirt and long pants, chemical-resistant gloves, such as barrier laminate butyl rubber, nitrile rubber or viton and shoes plus socks.

When handlers use closed systems, enclosed cabs or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should: 1) Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. 2) Remove clothing immediately if pesticide gets inside. 3) Then wash thoroughly and put on clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish, aquatic invertebrates and aquatic life stages of amphibians. 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. 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. Do not apply this product through any type of irrigation system. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, greenhouses and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water is: Coveralls, chemical-resistant gloves such as barrier laminate, butyl rubber, nitrile rubber or viton and shoes plus socks.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses. Do not allow contact with treated surface until sprays have dried.

PHI = Pre-Harvest Interval

VEGETABLES

Apply in a minimum of 30 gallons by ground equipment or 5 gallons by air equipment unless otherwise specified. Best results are obtained with uniform coverage.



Manufactured By:
Drexel Chemical Company

P.O. BOX 13327, MEMPHIS, TN 38113-0327

SINCE 1972

| Vegetable Crops | Pests Controlled | Rate / A | PHI (Days) |
|---|--|---|---|
| Asparagus | Asparagus aphid, Asparagus beetle | 2 pts. | Do not apply within 1 day of harvest. |
| | Thrips | 1 1/2 to 2 pts. | |
| Beans (green beans, lima beans, navy beans, red kidney beans, snap beans, wax beans, cowpeas, blackeyed peas) | Aphids, Bean leaf beetle, Blister beetle, Cucumber beetle, Potato leafhopper, Lygus bugs | 2 pts. | Do not apply within 1 day of harvest. Do not graze or feed treated crop foliage to livestock. |
| | Japanese beetle, Mexican bean beetle | 1 1/2 to 2 pts. | |
| | Red spider mite | 1 1/2 pts. | |
| Dry beans (CA & NW Only) | Lygus bugs | 1 1/2 to 2 pts. (ground) 1 1/2 pts. (air) in 10 gals. of water | Do not apply within 1 day of harvest. Do not graze or feed treated crop foliage to livestock. |
| Beets (garden, table) | Aphids | 1 1/2 to 2 pts. | Do not apply within 7 days of harvest if tops are to be used as food or feed. |
| Broccoli | Aphids, Cabbage looper, Imported cabbageworm | 1 to 2 pts. | Do not apply within 3 days of harvest. |
| Brussels Sprouts | Aphids | 1 to 2 pts. | Do not apply within 7 days of harvest. |
| Cabbage | Aphids, Cabbage looper, Imported cabbageworm | 1 to 2 pts. | Do not apply within 7 days of harvest. For control of Caterpillars on Summer and Fall plantings in the South, begin when true leaves appear. On other plantings, and for control of other insects, begin when insects appear. |
| | Diamondback moth, Webworm | 2 pts. | |
| Carrots | Aphids | 1 1/2 to 2 pts. | Do not apply within 7 days of harvest. |
| | Leafhoppers | 2 1/2 pts. | |
| Cauliflower | Diamondback moth | 2 to 4 pts. | Do not apply within 7 days of harvest. |
| | Aphids | 1 to 2 pts. | |
| Celery, Anise | Aphids, Spider mites | 1 1/2 pts. | To be applied to fresh leaves and stalks only. Do not use on crops grown from seed and oil. Do not apply within 7 days of harvest. |
| Collards | Aphids | 1 1/2 to 2 pts. | Do not apply within 7 days of harvest. For control of Caterpillars on Summer and Fall plantings in the South, begin when true leaves appear. On other plantings, and for control of other insects, begin when insects appear. |
| | Harlequin cabbage bug | 1 pt. | |
| Cucumbers | Aphids, Pickleworm, Spider mites | 1 1/2 to 2 pts. | Do not apply to cucumbers unless plants are dry. Do not apply within 1 day of harvest. |
| | Squash vine borer | 3 pts. | |
| | Cucumber beetle, Leafminers | 2 pts. | |
| Dandelions, Parsley, Parsnips, Swiss chard, Watercress | Aphids | 1 1/2 to 2 pts. | Do not apply within 21 days of harvesting parsley or within 7 days of harvesting dandelions, parsnips, swiss chard or watercress. |
| Eggplants | Aphids, Spider mites | 1 pt. | Do not apply within 3 days of harvest. |
| | Lace bugs | 3 pts. | |
| Endive | Aphids, Spider mites | 1 1/2 to 2 pts. | Do not apply within 7 days of harvest. |
| Garlic, Shallots | Aphids, Thrips | 1 1/2 to 2 pts. | Do not apply within 3 days of harvest. |

| Vegetable Crops | Pests Controlled | Rate / A | PHI (Days) |
|-----------------------|--|---|--|
| Hops | Aphids, Spider mites | 1 pt. | Do not apply within 10 days of harvest. |
| Kale | Aphids, Cabbage looper, Imported cabbageworm | 1 to 2 pts. | Do not apply within 7 days of harvest. For control of Caterpillars on Summer and Fall plantings in the South, begin when true leaves appear. On other plantings and for control of other insects, begin when insects appear. |
| | Webworms, Diamondback moth | 2 pts. | |
| Kohlrabi | Aphids | 1 to 2 pts. | Do not apply within 7 days of harvest. |
| | Cabbage looper, Diamondback moth, Imported cabbageworm, Webworms | 2 pts. | |
| Leeks | Aphids | 1 1/2 to 2 pts. | Do not apply within 3 days of harvest. |
| | Onion maggot | 2 1/2 pts. | |
| | Thrips | 3 pts. | |
| Lentils | Cowpea aphid, Pea aphid | 1 1/2 pts. | Do not apply within 3 days of harvest. Do not graze or feed treated crop foliage to livestock. |
| Lettuce | Aphids, Leafhoppers, Spider mites | 2 pts. | Do not apply within 7 days of harvesting head lettuce or within 14 days of harvesting leaf lettuce. |
| | Cabbage looper | 3 pts. | |
| Mushrooms | Mites, Phorid fly, Sciardid fly | 2 1/2 pts. in 130 gals. of water; or 2 lbs. in 3 gals. of water per 1000 sq. ft. of bed | Make thorough applications as soon after picking as possible. Repeat applications as necessary, usually twice a week. Do not apply within 1 day of harvest. |
| Mustards | Aphids, Cabbage looper, Imported cabbageworm | 2 pts. | For control of Caterpillars on Summer and Fall plantings in the South begin when true leaves appear. On other plantings and for control of other insects, begin when insects appear. Do not apply within 7 days of harvest. |
| | Flea beetle | 1 1/2 to 2 pts. | |
| Okra | Aphids | 1 1/2 pts. | Do not apply within 1 day of harvest. Make no application after pods start to form. |
| | Japanese beetle | 2 pts. | |
| Onions | Onion maggot | 1 1/2 to 2 1/2 pts. | Do not apply within 3 days of harvest. |
| | Onion thrips | 1 1/2 to 2 pts. | |
| Peas | Aphids | 1 1/2 to 2 pts. | Do not apply within 3 days of harvest. Do not graze or feed treated crop foliage to livestock. |
| | Grasshoppers | 2 pts. | |
| | Leafhoppers | 1 1/2 to 4 pts. | |
| Peppermint, Spearmint | Aphids, Flea beetle, Leafhoppers, Spider mites | 1 1/2 pts. | Do not apply within 7 days of harvest. |
| Peppers | Aphids | 1 to 2 1/2 pts. | Do not apply within 3 days of harvest. |
| | Pepper maggot | 2 1/2 pts. | |
| Potatoes | Aphids, Grasshoppers, Leafhoppers | 2 pts. | May be applied on the day of harvest. |
| | False chinch bug | 1 1/2 pts. | |
| | Mealybugs | 2 to 2 1/2 pts. | |
| Pumpkins | Aphids, Pickleworm, Spider mites | 2 pts. | Do not apply to pumpkins unless plants are dry. Do not apply within 3 days of harvest. |
| | Leafhoppers | 1 1/2 to 2 pts. | |
| | Cucumber beetle, Squash vine borer | 3 pts. | |
| Radishes, Horseradish | Aphids | 1 1/2 to 2 pts. | Do not apply within 7 days of harvest. |

| Vegetable Crops | Pests Controlled | Rate / A | PHI (Days) |
|-----------------|--|--------------|--|
| Rutabagas | Aphids | 1½ pts. | Do not apply within 3 days of harvest |
| Spinach | Aphids | 2 pts. | Do not apply within 3 days of harvest. |
| Squash | Aphids, Leafminers, Spider mites, Pickleworm | 2 pts. | Do not apply to squash unless plants are dry. Do not apply within 1 day of harvest. |
| | Cucumber beetle, Squash vine borer | 3 pts. | |
| Sweet Corn | Japanese beetle | 2 pts. | Do not apply within 5 days of harvest. Injury may occur in the whorl or to the silks. |
| Sweet Potatoes | Leafhoppers | 1½ to 2 pts. | Do not apply within 3 days of harvest. |
| | Morning-glory leafminer | 2½ to 3 pts. | |
| Tomatoes | Aphids | 1½ pts. | Do not apply within 1 day of harvest. |
| | Drosophila | 2½ pts. | |
| | Spider mites | 1½ pts. | |
| | Amyworm, Fruitworm (CA only) | 2½ qts. | Do not apply within 3 days of harvest. |
| Tomatoes | Aphids, Cabbage looper, Imported cabbageworm | 1 to 2 pts. | For control of caterpillars on Summer and Fall plantings in the South, begin when true leaves appear. On other plantings and for control of other insects, begin when insects appear. Do not apply within 7 days of harvest if tops are to be used for food or feed. |

| Fruit and Nut Crops | Pests Controlled | Rate / 100 Gals. | Rate / A | PHI (Days) |
|--|---|---|--------------|--|
| Apricots | Aphids, Codling moth, European fruit lecanium, Orange tortrix, Soft brown scale, Terrapin scale | 1½ to 2 pts. | 4½ to 6 pts. | Do not apply within 7 days of harvest. |
| | The rate for use on Apricots is based on a standard of 300 gals. per acre dilute spray for mature trees. | | | |
| Avocados | Greenhouse thrips, Latania scale, Omnivorous looper, Orange tortrix, Soft brown scale | 1½ pts. | 7½ pts. | Do not apply within 7 days of harvest. |
| | The rate for use on Avocados is based on a standard of 500 gals. per acre dilute spray for mature trees. | | | |
| Blackberries, Boysenberries, Dewberries, Loganberries, Raspberries | Aphids, Rose scale chafer, Japanese beetle, Leafhoppers, Mites, Thrips | 1½ pts. | 3 pts. | Do not apply within 1 day of harvest. |
| The rates for use on Brambles are based on a standard of 200 gals. per acre dilute spray. | | | | |
| Blueberries | Blueberry maggot | 1 pt. + 1½ qts. Staley's Sauce Base No. 7 | - | For use in the Northeast only. Apply in 100 gallons of water per acre. Do not apply within 8 hours of harvest. |
| | Cherry fruitworm | 1 pt. | 2 pts. | Do not apply within 1 day of harvest. |
| | Cranberry fruitworm | 1 pt. | 2 pts. | Make first application at egg hatch and repeat applications every 4 or 5 days until a total of four applications have been made. Do not apply within 1 day of harvest. |
| | Japanese beetle | ¾ pt. | 1½ pts. | Make application when first berries turn blue and at 10 day intervals as long as infestation persists. Do not apply within 1 day of harvest. |
| | The rates for use on Blueberries are based on a standard of 200 gals. per acre dilute spray. | | | |
| Cherries | Black cherry aphid, Fruitree leafroller | 1½ pts. | 6 pts. | Do not apply within 3 days of harvest. |
| | Cherry fruit fly, Japanese beetle | 1 pt. | 4 pts. | |
| The rates for use on Cherries are based on a standard of 400 gals. per acre dilute spray for mature trees. Do not apply more than 8 lbs. of actual MALATHION SEC per acre to cherry trees. Injury may occur on certain varieties of sweet cherries, particularly in the Northwest. | | | | |
| Citrus (grapefruits, kumquats, lemons, limes, oranges, tangerines, tangelos) | Black scale (single and off-brooded), California red scale, Citricola scale, Purple scale, Soft brown scale, Yellow scale | 1 to 1½ pts. | - | Do not apply when trees are in bloom. Do not apply within 7 days of harvest. |
| | Florida purple scale, Florida red scale | 2 pts. | - | |
| | Citrus red mite, Thrips | • • • • • • • • • • • • • • • | 2½ pts. | Apply in 200 gals. of water per acre. Do not apply when trees are in bloom. Do not apply within 7 days of harvest. |
| The rates for use on Citrus are based on a standard 500 gals. per acre dilute spray for mature trees. | | | | |
| Currants, Gooseberries | Japanese beetle | 1½ pts. | 3 pts. | Do not apply within 3 days of harvest. |
| | Rose chafer, Mites | 1 pt. | 2 pts. | |
| The rates for use on Currants and Gooseberries are based on a standard 200 gals. per acre dilute spray. | | | | |

| Fruit and Nut Crops | Pests Controlled | Rate / 100 Gals. | Rate / A | PHI (Days) |
|--|--|------------------|---|--|
| Figs | Dried fruit beetle, Vinegar fly | - | 2 qts. + 1 to 2 gals. unsulfured molasses | Do not apply within 3 days of harvest. |
| Grapes | Leafhoppers, Spider mites | 1½ pts. | 3 pts. | Do not apply within 3 days of harvest. |
| | European fruit lecanium | 1½ 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. |
| | Mealybugs | - | 1½ pts. | Apply in 50 to 100 gals. of water per acre. Do not apply within 3 days of harvest. |
| The rates for use on Grapes are based on a standard of 200 gals. per acre dilute spray. Injury may occur on Grapes of Almeria, Cardinal, Italia and Ribier varieties when sprays containing MALATHION SEC are applied after clusters appear. | | | | |
| Grape Vines (overwintering on nursery stock only) | Grape phylloxera | 3 pts. | - | Remove excess soil from the roots and dip in the MALATHION SEC solution. Submerge the entire root system for 5 minutes. Keep the solution agitated at all times. |
| Macadamia Nuts | Green stink bug | 1½ pts. | - | Apply when insects start to feed on the nuts and repeat as necessary. May be applied during harvest. |
| No more than 15 lbs. of MALATHION SEC per acre should be applied to Macadamia nut trees. | | | | |
| Nectarines | Spider mites | 1 to 2 pts. | 3 to 6 pts. | Do not apply within 7 days of harvest. |
| | Plum curculio | 2 pts. | 6 pts. | |
| The rates for use on Nectarines are based on a standard of 300 gals. per acre dilute spray for mature trees. MALATHION SEC may cause fruit spotting on Nectarines. | | | | |
| Papaya | Aphids, Mealybugs | 1½ to 2 pts. | - | May be applied on the day of harvest. |
| Peaches | Black cherry aphid, Black peach aphid, European red mite, Green peach aphid, Rusty plum aphid, Japanese beetle, Spider mites | 1 pt. | 3 pts. | Do not apply within 7 days of harvest. |
| | Oriental fruit moth, Plum curculio | 2 pts. | 3 qts. | Do not apply within 7 days of harvest. |
| | Cottony peach scale, European fruit lecanium, Terrapin scale | 2 pts. | - | Make full coverage applications at completion of hatching, about the last of June. Do not apply within 7 days of harvest. |
| The rates for use on Peaches are based on a standard of 300 gals. per acre dilute spray for mature trees. Do not apply more than 9 lbs. of MALATHION SEC per acre to peach trees. | | | | |
| Pecans | Aphids, Spider mites, Walnut aphid | 1½ to 2 pts. | 7½ to 10 pts. | May be applied on the day of harvest. |
| | European red mite | 1½ pts. | 6½ pts. | |
| | Pecan leaf phylloxera | 1½ pts. | 6½ pts. | Apply when buds begin to develop and repeat as necessary. May be applied the day of harvest. |
| | Pecan nut casebearer, Walnut huskfly | 1½ pts. | 6½ pts. | Apply after first generation eggs begin to hatch. May be applied on the day of harvest. |
| The rates for use on Pecans are based on a standard of 500 gals. per acre dilute spray for mature trees 25 to 35 ft. high. | | | | |

| Fruit and Nut Crops | Pests Controlled | Rate / 100 Gals. | Rate / A | PHI (Days) |
|---------------------|--|------------------|---------------|--|
| Pineapples | Mealybugs | 1 pt. | 8 pts. | Do not apply within 7 days of harvest. |
| Strawberries | Aphids, Spider mites | - | 1½ pts. | Do not apply within 3 days of harvest. |
| | Field crickets, Lygus bugs, Spittlebugs, Thrips | - | 1½ to 3 pts. | |
| | Potato leafhopper, Strawberry leafroller, Strawberry root weevil, Whiteflies | - | 1½ to 2½ pts. | |
| Walnuts | Aphids, European red mite, Walnut aphid | ½ pt. | 1½ to 3 pts. | May be applied on the day of harvest. |
| | Walnut huskfly | ½ pt. | 1½ to 3 pts. | Apply with conventional sprayer. For bait sprays, combine Staley's Sauce Base No. 2 or No. 7 at the rate of 2 qts. per acre with MALATHION SEC. May be applied on the day of harvest. |
| | Walnut huskfly | - | 3 to 4 pts. | Apply in 500 gals. of water per acre with air-carrier type sprayer. For bait sprays, combine Staley's Sauce Base No. 2 or No. 7 at the rate of 2 qts. per acre with MALATHION SEC. May be applied on the day of harvest. |

FIELD CROPS AND PASTURE AND RANGE GRASSES

| Field Crops | Pest Controlled | Rate / A | PHI (Days) |
|---|---|--------------|---|
| Alfalfa | Alfalfa weevil larvae, Aphids, Grasshoppers, Lygus bugs, Potato leafhopper, Spider mites, Spittlebugs, Stinkbugs | 1½ to 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. |
| | Armyworm | 2 pts. | |
| | Clover leaf weevil | 1½ pts. | |
| | Verch bruchid | 2 to 2½ pts. | |
| Clovers | Alfalfa weevil larvae, Aphids, Grasshoppers, Lygus bugs, Potato leafhopper, Spider mites, Spittlebugs | 1½ to 2 pts. | Do not apply to Clover in bloom. May be applied on the day of harvest. |
| | Armyworm | 2 pts. | |
| | Clover leaf weevil | 1½ pts. | |
| Corn (grain or forage) | Aphids, Corn earworm, Corn rootworm (adults), Grasshoppers, Sap beetle, Thrips | 1½ pts. | For control of Corn earworm and Sap beetle, begin treatments when 10% of the ears show silk. Repeat applications at 3 to 5 day intervals until 4 to 5 applications have been made. Do not apply within 5 days of harvest or forage use. |
| | Armyworm | 1½ to 2 pts. | |
| Injury may occur in the whorl and silk stages with MALATHION SEC. | | | |
| Cotton | Brown cotton leafworm, Cotton aphid, Cotton leafworm, Cotton leafperforator, Desert spider mite, Leafhopper, Lygus bugs, Thrips, Whiteflies | ½ to 2 pts. | May be applied on the day of harvest. Consult Local Agricultural authorities for exact time of application. |
| | Boll weevil | 2 to 4 pts. | |
| | Cotton fleahopper | 1 to 1½ pts. | |
| | Fall armyworm, Garden webworm, Grasshopper | 1½ to 3 pts. | |
| | Lygus bugs, Thrips | 1 to 4 pts. | |

7 of 7

FIELD CROPS AND PASTURE AND RANGE GRASSES

| Field Crops | Pest Controlled | Rate / A | PHI (Days) |
|---|---|---|---|
| Grasses (barnyard-grass, canarygrass, fescue, orchardgrass, red top, timothy, yellow foxtail) | Cereal leaf beetle | 1 to 1½ pts. | May be applied on the day of harvest or grazing. |
| Pastures, Range Grasses, Grasses, Grass Hay | Aphids, Grasshoppers, Leafhoppers | 1½ to 2 pts. OR 1½ pts. in 1 gal. of diesel fuel oil per acre | May be applied on the day of harvest or grazing. |
| | Armyworm | 2 pts. OR 1 pt. in 1 gal. of diesel fuel oil per acre | |
| Rice, Wild Rice | Rice leafminer | 2½ pts. | Make the 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. Broadcast use only over intermittently flooded areas. Application may not be made around bodies of water where fish or shellfish are grown and/or harvested commercially. |
| | Rice stink bug | 1 to 1½ pts. | |
| Small Grains (barley, oats, rye, wheat) | Cereal leaf beetle | 1 to 1½ pts. | Do not apply within 7 days of forage use. |
| | English grain aphid, Grasshoppers, Greenbug | 1½ pts. | |
| | Winter grain mite | 2 pts. | |
| Vetch | Omnivorous leaflier, Pea aphid, Vetch bruchid | 1½ to 2 pts. | May be applied on the day of harvest or grazing. |

STORAGE AND DISPOSAL

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

STORAGE INSTRUCTIONS: Storage should be under lock and key in a ventilated room and secure from access by unauthorized persons and children. Storage should be in a cool dry area away from any heat or ignition source. Do not stack over 2 pallets high. Move containers by handles or case. Do not move containers from one area to another unless they are securely sealed. Keep container tightly sealed when not in use. Keep away from any puncture source. Avoid storage near water supplies, food, feed and fertilizer to avoid contamination. Store in original containers only. If the contents are leaking or material is spilled, follow these steps:

1. Contain spill, absorb with a material such as saw dust, clay granules or dirt.
2. Collect and place in suitable containers for disposal.
3. Wash area with water and soap to remove remaining pesticide.
4. Follow washing with clean water rinse.
5. Place a leaking container in a plastic tub and transfer contents as soon as possible to an empty original container.
6. Do not allow run off to enter sewer or contaminate water supplies.
7. Dispose of waste.

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

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose in a sanitary landfill or incineration, or, if allowed by State and Local authorities, by burning. If burned, stay out of smoke.

OUTDOOR ORNAMENTALS

FLOWERS, SHADE TREES, SHRUBS: Injury may occur on Canareti juniper, Crassula, ferns, hickory, lantana and viburnum following the use of MALATHION 5EC. Slight injury has also been reported on Boston, maidenhair ferns, maple, petunias, pteris, small leaf splrea and white pine. Under extreme heat, drought and disease conditions, the MALATHION 5EC may cause slight damage to elms.

| Pests | Rate | Remarks |
|---|--|---|
| Aphids, Spider mites | 1½ pts. per 100 gals. OR 2 tsp. per gal. | - |
| Azalea scale, Magnolia scale, Pine leaf scale | 2 pts. per 100 gals. OR 2 tsp. per gal. | - |
| Bagworm, Birch leaf miner, Boxwood leaf miner | 2 pts. per 100 gals. OR 2 tsp. per gal. | - |
| Black scale (crawlers), Soft brown scale | 2½ pts. per 100 gals. OR 2 tsp. per gal. | - |
| Euonymous scale, Scurfy scale | 1½ pts. per 100 gals. OR 2 tsp. per gal. | - |
| European pine shoot moth, Flourlined leaf bug, Japanese beetle (adult), Potato leafhopper, Rose leafhopper, Tarnished plant bug, Thrips | 1½ pts. per 100 gals. OR 2 tsp. per gal. | - |
| Fletcher scale | 2 pts. per 100 gals. OR 2 tsp. per gal. | Apply when scale crawlers have settled on foliage. |
| Florida red scale, Juniper scale | 2 pts. per 100 gals. OR 2 tsp. per gal. | Apply when scale crawlers have settled on foliage. |
| Lace bugs | 1 pt. per 100 gals. OR 2 tsp. per gal. | - |
| Mealybugs, Whiteflies | 1½ pts. per 100 gals. OR 2 tsp. per gal. | - |
| Monterey pine scale | 2½ pts. per 100 gals. OR 2 tsp. per gal. | - |
| Oak kermes | 2 pts. per 100 gals. OR 2 tsp. per gal. | Apply when scale crawlers have settled on foliage. |
| Oyster shell scale | 1 pt. per 100 gals. OR 2 tsp. per gal. | Apply when scale crawlers have settled on foliage. |
| Pine needle scale | 4 pts. per 100 gals. OR 4 tsp. per gal. | - |
| Tent caterpillar | 2 pts. per 100 gals. OR 2 tsp. per gal. | - |
| Wax scale | 4 pts. per 100 gals. OR 4 tsp. per gal. | Apply in spring when crawlers are active. Repeat 1 or 2 full-coverage applications at 10 day intervals. |

WARRANTY AND CONDITION OF SALE

OUR RECOMMENDATIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the seller. Buyer assumes all risks of use, storage and handling of this product when such use and/or handling is not in strict accordance with directions given herewith. In no case shall Drexel or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product when such use and/or handling is not in strict accordance with directions given herewith. The foregoing is a condition of sale by Drexel Chemical Company and is accepted as such by the Buyer.