

34704-489

09/01/2005

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



OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

September 1, 2005

Ms. Glenda Haage
Loveland Products, Inc.
P.O. Box 1286
Greeley, CO 80632-1289

Dear Ms. Haage:

Subject: Revised Labeling for EPA Reg. No. 34704-489
Dimethoate 2.67 EC
Use Deletions of Dimethoate as Requested by the Agency
Your Submission Dated November 23, 2004

The label for the product referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable provided you make the following changes to the label:

1. Since the product label only has uses subject to the Worker Protection Standard (WPS), delete the "Non-Agricultural Use Requirements" box.
2. The Agency recommends that the Storage and Disposal statements be moved immediately after the last Directions for Use statement and before the Warranty Disclaimer.

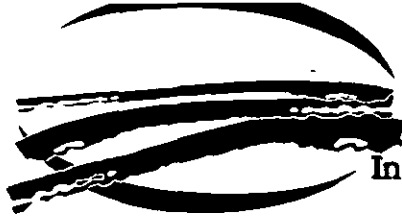
A stamped copy of the label is enclosed for your records. Submit two copies of your final printed labeling before you release the product for shipment. If you have any questions, please contact Ann Hanger at (703) 306-0395 or hanger.ann@epa.gov.

Regards,

A handwritten signature in black ink, appearing to read "D. C. Kenny", written over a printed name.

Daniel C. Kenny
Product Manager 1
Insecticide/Rodenticide Branch
Registration Division (7505C)

Enclosure (1)



DIMETHOATE

ACCEPTED
with COMMENTS
In EPA Letter Dated:

2.67 EC

SEP 1 2005

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,

registered under EPA Reg. No.
34704-489

Organophosphate

SYSTEMIC INSECTICIDE-MITICIDE

ACTIVE INGREDIENT:

Dimethoate O,O-Dimethyl

S-(N-methylcarbamoylmethyl) phosphorodithioate 30.5%

INERT INGREDIENTS: 69.5%

TOTAL 100.0%

Contains 2.67 lbs. active ingredient per gal.

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 this label, find someone to explain it to you in detail.)

See Below For Additional Precautionary Statements.

EPA REG. NO. 34704-489

EPA EST. NO. 34704-MS-1

NET CONTENTS _____ GALS. (_____ KG.)
IHT EXP 11Y04

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING—AVISO

Harmful or fatal if swallowed. Avoid breathing vapor or spray mist. Avoid contact with skin, eyes and clothing. May cause eye irritation. Use only with adequate ventilation. Do not contaminate food or feed products.

FIRST AID

If swallowed:	<ul style="list-style-type: none"> Call a poison control center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.
If on skin or clothing:	<ul style="list-style-type: none"> Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
If inhaled:	<ul style="list-style-type: none"> Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.
If in eyes:	<ul style="list-style-type: none"> Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

NOTE TO PHYSICIAN: Atropine is antidotal. Pralidoxime chloride may be effective as an adjunct to atropine. This product may cause cholinesterase inhibition.

Aspirated cyclohexanone may cause severe lung damage. If swallowed stomach contents should be evacuated quickly in a manner which avoids aspiration. Otherwise treatment should be directed at the control of symptoms and clinical condition.

FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL:
1-800-301-7976.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

Personal Protective Equipment:

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

Applicators and other handlers must wear: coveralls over short-sleeved shirt and short pants, chemical-resistant gloves, such as barrier laminate, butyl rubber, nitrile rubber or viton; chemical-resistant footwear plus socks, protective eyewear; chemical-resistant headgear for overhead exposure, and chemical-resistant apron when cleaning equipment, mixing or loading.

For exposures in enclosed areas, a respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G).

For exposures outdoors, dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C).

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 and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering controls statements:

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets with 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.

USER SAFETY RECOMMENDATIONS

Users should:

Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to wildlife and aquatic invertebrates. 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. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water by cleaning equipment or disposal of wastes.

This pesticide is highly toxic to bees exposed to direct treatment or residues 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. Protective information may be obtained from your Cooperative Agricultural Extension Service.

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.

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.

DIMETHOATE 2.67 EC

EPA REG. NO. 34704-489

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, and 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 48 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 over short-sleeved shirt and short pants, chemical-resistant gloves, such as barrier laminate, butyl rubber, nitrile rubber or viton; chemical-resistant footwear plus socks and protective eyewear, and chemical-resistant headgear for overhead exposure.

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.

Keep children and pets out of the treated area until sprays have dried.

STORAGE AND DISPOSAL

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

STORAGE: Store in a cool, dry, well ventilated area. Avoid temperatures below 32°F or above 90°F.

CONTAINER DISPOSAL: **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 by state and local authorities. **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. **Glass:** Triple rinse (or equivalent). Then dispose of in a sanitary landfill or by other approved State and local procedures.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, 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.

DIRECTIONS FOR DILUTION UNLESS STATED

Number in parenthesis for recommendations in crops indicates the maximum number of pints per acre.

DILUTE APPLICATION: Ground Application For Field & Vegetable Crops: Apply specified rate in 20 to 60 gallons of water per acre.

CONCENTRATE APPLICATION: Ground Application: Apply specified rate in not less than 5 gallons of water per acre. Orchard Application: Apply equivalent per acre rates in 20 to 100 gallons of water per acre. Special concentrate equipment is necessary for these uses.

AIR APPLICATION: Apply specified rate in 5 to 20 gallons of water per acre. Orchard rates use equivalent per acre rate in not less than 10 gallons of water per acre. Do not use air application on pecans.

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

CROPS

ALFALFA: *Aphids, leafhoppers, lygus bugs, grasshoppers and reduction of alfalfa weevil larvae, plant bugs*-Apply $\frac{3}{4}$ - 1½ pts. per acre. This pesticide is highly toxic to bees, do not apply if bees are visiting the areas to be treated when crop or weeds are in bloom. For alfalfa hay, do not apply within 10 days of harvest or pasturing-make only 1 application per year. For alfalfa seed, do not feed or graze livestock on treated crops, hay threshings or stubble within 20 days of application. (1½)

PEARS: *Aphids, leafhoppers, mites (except rust mite)*-Apply $\frac{3}{4}$ - 1½ pts. per 100 gallons of water. Do not apply within 28 days of harvest. Do not apply when trees or substantial numbers of weeds in the orchard are in bloom. Do not graze livestock on cover crops grown in treated orchards. (3)

BEANS, (green, lima, snap and dry): *Aphids, leafhoppers, leaf miners, mites, lygus bugs, bean leaf beetle, Mexican bean beetle*-Apply $\frac{3}{4}$ - 1½ pts. per acre. No time limitation. This pesticide is highly toxic to bees, do not apply if bees are visiting the areas to be treated when crop or weeds are in bloom. Do not feed treated vines to livestock. (1½)

BROCCOLI & CAULIFLOWER: *Aphids*-Apply $\frac{3}{4}$ - 1½ pts. per acre. Do not apply within 7 days of harvest. (1½)

CITRUS (grapefruit, lemons, oranges, tangerines): Do not apply when trees or substantial numbers of weeds in the grove are in bloom. Do not use on seedlings. Do not apply within 15 days of harvest, except do not apply within 45 days of harvest for scale control rates over 1½ pts. per 100 gallons of water. Make no more than 2 applications to mature fruit. Do not enter groves or nurseries within 48 hours of application. Do not graze livestock on cover crops grown in treated orchards. *Aphids, mites (except rust mite), thrips*-Apply $\frac{3}{4}$ - 1½ pts. per 100 gallons of water. *Scales (except black or snow)*-Apply 1½ - 2½ pts. per 100 gallons of water. *Whiteflies*-Apply 1½ pts. per 100 gallons of water. (12)

CITRUS (grapefruit, lemons, oranges, tangerines) (non-bearing and nursery stock) California & Arizona only: *Thrips, aphids*-Foliar spray-Apply 1½ pts. per 100 gallons of water. Repeat as necessary. Use only on nursery stock and other non-bearing trees (trees that will not bear fruit within one year). Soil drench: apply 3 qts. per acre in the basin or furrow around the base of the tree. Apply when insects injury to new growth appears. Use only on nursery stock and other non-bearing (trees that will not bear fruit within one year). Do not enter groves or nurseries within 48 hours of application. Do not graze livestock on cover crops grown in treated orchards. (6)

CITRUS (grapefruit, lemons, oranges, tangerines) Arizona only: *Thrips*-Use specified dosage of Dimethoate 2.67 EC in the amount of water necessary to achieve adequate coverage of foliage. The type of equipment used will determine the concentration required. Aerial: Apply up to 6 pints in not less than 5 gallons water/acre. Ground: Apply up to 6 pints in not less than 20 gals. water/acre. Do not apply within 15 days of harvest. Do not enter treated groves within 4 days of last application.

Note: Use of dimethoate is prohibited during any time of day in any given orchard from when that orchard has 10% open blooms until such time as there has been at least 75% petal fall on the north side of the trees. Applications of dimethoate shall be limited to that period of time between one (1) hour after sunset to three (3) hours before sunrise when any one of the following conditions prevail: 1) Before the onset of petal fall, the orchard to be treated has open blooms present and these open blooms represent less than 10% of the total anticipated blooms in the orchard. 2) After the initiation of petal fall there are less than 25% of open blooms remaining in the orchard to be treated. 3) It is between the calendar dates of February 15 and May 1st.

All applications of dimethoate on citrus must be documented on Form 1080 written either by a pest control advisor, farm owner or farm manager as is normally required for custom applications of pesticides, except that private applicators may omit the "Pesticide Application Report" section. The description of the status of bloom of the orchard to be treated as it was at the time of the application shall be indicated in the section for "Label Restrictions/Special Instruction". Both private and custom applicators shall mail to the Agriculture Department's Phoenix office the original or each completed Form 1080 done in accordance with this label. Each Form 1080 shall be postmarked not later than Monday following the week in which the application was made, except when holidays intervene.

COTTON: *Aphids, mites, thrips, fleahoppers, plant bugs*-Apply $\frac{1}{3}$ - 2/3 pt. per acre. Do not apply within 14 days of harvest. Repeat applications should not be made in intervals closer than 14 days. Do not feed treated forage or graze livestock on treated fields. (2/3)

COTTON (use restricted to California and Arizona): *Lygus bugs, leafhoppers, black fleahopper*-Apply $\frac{3}{4}$ - 1½ pts. per acre. Do not apply within 14 days of harvest. Repeat applications should not be made at intervals closer than 14 days. No more than 2 applications per season. Do not feed treated forage or graze livestock on treated fields. (1½)

FIELD CORN: *Aphids, bean beetles, corn rootworm adults, mites, thrips, fleahoppers*-Apply 1-1½ pts. per acre when insects first appear. Apply as needed using a maximum of 3 applications per year. Do not apply within 14 days of harvest if corn is used for forage and 42 days if used for grain. Do not apply to corn during the pollen-shed period.

LENTILS: *Aphid, lygus bugs*-Apply $\frac{3}{4}$ - 1½ pts. per acre when insects first appear. Use the higher application rate for lygus control. Repeat applications as needed. This pesticide is highly toxic to bees, do not apply if bees are visiting the areas to be treated when crop or weeds are in bloom. Do not apply within 14 days of harvest. Do not feed or graze hay or treated vines.

LETTUCE (leaf), ENDIVE (escarole), KALE, MUSTARD GREENS, SWISS CHARD, TURNIPS (greens and roots): *Aphids, leafhoppers, leaf miners*-Apply $\frac{3}{4}$ pint per acre. Do not apply within 14 days of harvest. (¾)

MELONS (except watermelons): *Aphids, leafhoppers, leaf miners, thrips*-Apply 1½ pts. per acre. Do not apply within 3 days of harvest. (1½)

WATERMELONS: *Aphids, leafhoppers, leaf miners*-Apply $\frac{3}{4}$ - 1½ pts. per acre. Do not apply within 3 days of harvest. (1½)

PEAS: *Aphids*-Apply ½ pt. per acre. Peas may be harvested on day of application. This pesticide is highly toxic to bees, do not apply if bees are visiting the areas to be treated when crop or weeds are in bloom. Do not feed or graze hay within 21 days after last application when a stationary viner is used. Do not feed or graze when a mobile viner is being used. Make no more than one application per growing season. (½)

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PECANS: *Aphids, mites, leafhoppers*-Apply 1 pt. per acre by ground equipment only. Do not apply within 21 days before harvest. Do not graze livestock in treated groves. Apply in 100-500 gallons of water per acre. (1)

PEPPERS: *Aphids, leaf miners, maggot* -Apply $\frac{3}{4}$ -1 pt. per acre. No time limitation. (1)

POTATOES: *Aphids, leafhoppers, leaf miner*-Apply $\frac{3}{4}$ -1 $\frac{1}{2}$ pts. per acre. Potatoes may be harvested on day of application. (1 $\frac{1}{2}$)

SAFFLOWER (use restricted to California and Arizona): *Aphids, leafhoppers, lygus bugs, thrips*-Apply $\frac{3}{4}$ -1 $\frac{1}{2}$ pts. per acre. Do not apply within 14 days of harvest. Repeat applications should not be made at intervals closer than 14 days. No more than two applications per season. (1 $\frac{1}{2}$)

SORGHUM: *Aphids, mites*-Apply $\frac{3}{4}$ -1 $\frac{1}{2}$ pts. per acre. Do not feed or graze within 28 days of last application. Do not apply after heading. No more than three applications per season. (1 $\frac{1}{2}$)

SOYBEANS: *Leafhoppers, alfalfa loopers, Mexican bean beetles, spider mites*-Apply 1 $\frac{1}{3}$ pts. per acre. Do not feed or graze within 5 days of last application. Do not apply within 21 days of harvest.

TOMATOES: *Aphids, leafhoppers, leaf miners*-Apply $\frac{3}{4}$ -1 $\frac{1}{2}$ pts. per acre. Do not apply within 7 days of harvest. (1 $\frac{1}{2}$)

WHEAT: *Aphids (including greenbug), brown wheat mite*-Apply $\frac{3}{4}$ -1 pt. per acre. Do not apply within 14 days of grazing immature plants. Do not harvest grain within 60 days of last application. Make no more than two applications per growing season. (1)

WARRANTY DISCLAIMER AND NOTICE

THE DIRECTIONS FOR USE OF THIS PRODUCT ARE BELIEVED TO BE ADEQUATE AND SHOULD BE FOLLOWED CAREFULLY. IT IS IMPOSSIBLE TO ELIMINATE ALL RISKS INHERENTLY ASSOCIATED WITH THE USE OF THIS PRODUCT. CROP INJURY, INEFFECTIVENESS, OR OTHER UNINTENDED CONSEQUENCES MAY RESULT DUE TO SUCH FACTORS AS WEATHER CONDITIONS, PRESENCE OR ABSENCE OF OTHER MATERIALS, OR THE MANNER OF USE OR APPLICATION, ALL OF WHICH ARE BEYOND THE CONTROL OF LOVELAND PRODUCTS, INC., THE MANUFACTURER OR SELLER.

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IN NO EVENT SHALL LOVELAND PRODUCTS, INC., THE MANUFACTURER OR SELLER BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE, HANDLING, APPLICATION, STORAGE OR DISPOSAL OF THIS PRODUCT OR FOR DAMAGES IN THE NATURE OF PENALTIES AND THE BUYER AND USER WAIVE ANY RIGHT THEY MAY HAVE TO SUCH DAMAGES.

FORMULATED FOR



P.O. BOX 1286, GREELEY, COLORADO 80632-1286