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| US ENVIRONMENTAL PROTECTION AGENCY<br>OFFICE OF PESTICIDES PROGRAMS<br>REGISTRATION DIVISION (TS-767)<br>WASHINGTON, DC 20460  | EPA REGISTRATION NO.                         | DATE OF ISSUANCE |
|  | 38167-7                                      | 4/7/86           |
|  | TERM OF ISSUANCE                             |                  |
| NOTICE OF PESTICIDE: <input checked="" type="checkbox"/> REGISTRATION<br><input type="checkbox"/> REREGISTRATION<br>(Under the Federal Insecticide, Fungicide,<br>and Rodenticide Act, as amended) | NAME OF PESTICIDE PRODUCT                    |                  |
|  | Setre Dimethoate 4EC<br>Systemic Insecticide |                  |

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Setre Chemical Company  
 5100 Poplar Avenue, Suite 3200  
 Memphis, TN 38137

165  
18

170,613  
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NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others. This product is conditionally registered in accordance with FIFRA

- section 3(c)(7)(A) provided that you:
1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
  2. Add the phrase "EPA Registration No. 38167-7" to your label before you release the product for shipment.
  3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

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

William H. Miller  
 Product Manager (16)  
 Insecticide-Rodenticide Branch  
 Registration Division (TS-767C)

Enclosures

ATTACHMENT IS APPLICABLE

|                                 |        |
|---------------------------------|--------|
| SIGNATURE OF APPROVING OFFICIAL | DATE   |
| <i>William H. Miller</i>        | 4/7/86 |



SETRE CHEMICAL COMPANY

Suite 3200 — Clark Tower  
5100 Poplar Avenue  
Memphis, Tennessee 38137  
(901) 761-0050

SETRE

DIMETHOATE 4 E.C.  
SYSTEMIC INSECTICIDE

**ACCEPTED**  
APR 7 1986  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticides  
registered under  
EPA Reg. No. 38147-7

ACTIVE INGREDIENT

Dimethoate (O,O - dimethyl S-(N-methylcarbamoylmethyl)  
(phosphorodithioate) ..... 44.8%

INERT INGREDIENTS ..... 51.6%

TOTAL ..... 100%

This product contains 4 lbs. dimethoate per gallon.

KEEP OUT OF REACH OF CHILDREN  
WARNING - AVISO  
SEE SIDE PANEL FOR ANTIDOTE AND OTHER WARNINGS

AL USARIO: Si Usted no lee ingles, no use este producto hasta  
que la etiqueta le haya sido explicada ampliamente.

TRANSLATION: To the user: if you cannot read English, do not  
use this product until the label has been fully explained to you.

EPA REG. NO.  
EPA EST. NO.

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MANUFACTURED BY  
SETRE CHEMICAL COMPANY  
MEMPHIS, TN. 38137

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

**WARNING — AVISO**

May be fatal if swallowed. Harmful if inhaled or absorbed through the skin. May cause eye injury. Wear goggles face shield, or safety glasses. Avoid breathing spray mist. Avoid contact with skin, eyes, or clothing. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse.

**STATEMENT OF PRACTICAL TREATMENT**

If Swallowed: Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not give anything by mouth to an unconscious person. Get medical attention.

If on Skin: Wash with plenty of soap and water. Get medical attention if irritation persists.

If in Eyes: Flush with plenty of water for 15 minutes. Get medical attention.

Note to Physician: This product may cause cholinesterase inhibition. Antidote is Atropine.

**ENVIRONMENTAL  
HAZARDS**

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.

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

**PHYSICAL OR CHEMICAL HAZARDS**

Flammable. Keep away from heat and open flame.

## DIRECTIONS FOR USE

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

### RE-ENTRY

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

### WARNING

(Insert area or field description) treated with Dimethoate on (insert date of application). Do not enter treated areas without protective clothing until sprays have dried. In case of accidental exposure: Call a doctor (physician), clinic or hospital immediately. Explain that the victim has been exposed to Dimethoate and describe his condition. For further information see the center panel of the pesticide label.

### STORAGE AND DISPOSAL

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

**STORAGE:** Store in a cool, dry area.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinseate 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:** Triple rinse. Then offer for recycling, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

**DIMETHOATE 4 E.C.** is a clear liquid. When added to water, it will disperse readily and will remain physically stable with a minimum amount of agitation. Do not store **DIMETHOATE 4 E.C.** below 32°F, as it may tend to crystallize. Avoid storage above 90°F, as prolonged storage above 90°F, may cause some loss in grade.

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

Apply this product only as specified on this label.

Application equipment: **DIMETHOATE 4 E.C.** can be applied by any pressure sprayer that will give uniform distribution of the spray such as ground sprayers, aerial sprayers or portable sprayers.

**Required Clothing and Equipment for Application:**

All applicators, flaggers and all personnel involved with the mixing, loading, and transferring operations must wear the protective clothing and equipment enumerated below. Pilots are exempt from this requirement. The protective clothing and equipment to be worn is as follows:

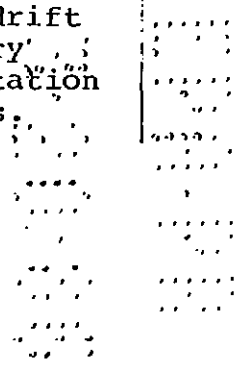
- a. Impermeable gloves (for example: rubber or plastic covered reinforced gloves).
- b. Boots or boot covers.
- c. Long-sleeved shirt and long pants.
- d. Wide-brimmed hat.
- e. Respirators must be worn by flaggers and mixer/loaders.

**Aerial Application:**

Automatic flagging devices should be used whenever feasible.

If human flaggers are employed, they must wear the protective clothing and respirator specified on this label.

This product is intended for use by the commercial grower or commercial applicator in conventional hydraulic sprayers, ground applicators or airplane sprayers. When applying by ground equipment, use the recommended amount in sufficient water for thorough coverage; by aircraft, in 2 to 10 gallons of water unless otherwise specified. Do not apply when weather conditions favor drift of spray from areas treated. Repeat applications as necessary unless otherwise specified. Consult your state experiment station or state extension service for proper timing of applications.



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| Crop   | Pests Controlled  | Rate  | Interval (Days) Between Last Application and Harvest  |
|--|---|---|---|
| <b>FRUIT:</b><br>Apples  | Apple maggot†<br>Codling moth†                                    | 1 pt./100 gals. water   | 28<br>Do not apply during the bloom period. Apply at petal-fall and every 10 to 14 days thereafter until control is achieved.<br>†Under heavy infestations, some stung injury may occur.<br>*Midwest and eastern states only. |
| Apples<br>Pears  | Aphids, leafhoppers, mites (except rust mites)                    | ½ to 1 pt./100 gals. water  | 28<br>Do not apply during the bloom period.   |
| Grapefruit<br>Lemons<br>Oranges<br>Tangerines  | Aphids  | Ground Equipment: ½ to 1 pt./100 gals. water. Apply as an outside coverage spray.<br>Aircraft Equipment: 1 to 2 qts./acre in 5 to 10 gals. water. | 15  |
|  | Mites (except rust mites)   | Ground Equipment: ½ to 1 pt./100 gals. water. Apply as a thorough distribution coverage spray.  | 15  |
|  | Scales (except black or snow)                                     | Ground Equipment: 1 to 1½ pts./100 gals. water. Apply as a thorough coverage spray.   | 45  |
|  | Thrips  | Ground Equipment: ½ to 1 pt./100 gals. water. Apply as a mist spray.<br>Aircraft Equipment: 1 to 2 qts./acre in 5 to 10 gals. water.              | 15  |
|  | Whiteflies  | Ground Equipment: 1 pt./100 gals. water. Apply as a thorough distribution coverage spray.   | 15  |
| Do not apply during bloom period. Do not use on citrus seedlings. Make no more than 2 applications to mature fruit. Do not enter treated groves within 4 days of last application. |   |   |   |
| <b>NUTS:</b><br>Pecans   | Aphids, mites, leafhoppers  | Ground Equipment: ⅔ pt./acre  | 21<br>Do not graze livestock in treated groves.   |
|  | Aphids  | Aerial Equipment: ⅔ pt./acre in a minimum of 5 gals. of finished spray.   |   |
| <b>VEGETABLE CROPS:</b><br>Beans (green, lima, snap, dry)  | Aphids, grasshoppers, leafhoppers, leaf miners, lygus bugs, mites | ½ to 1 pt./acre   | Beans may be harvested on day of application. Do not feed treated vines.  |
| Broccoli<br>Cauliflower  | Aphids  | ½ to 1 pt./acre   | 7   |
| Cabbage  | Aphids  | ½ to 1 pt./acre   | 3   |
| Head Lettuce   | Aphids, leafhoppers, leaf miners                                  | ½ pt./acre  | 7   |
| Celery (Florida)   | Leaf miners   | Ground Equipment: 1 pt./acre  | 7   |
| Leaf Lettuce<br>Spinach<br>Collards<br>Kale<br>Turnip (greens and roots)<br>Mustard Greens<br>Swiss Chard<br>Endive (Escarole)   | Aphids, leafhoppers, leaf miners                                  | ½ pt./acre  | 14  |
| Melons (except watermelons)  | Aphids, leafhoppers, leaf miners, thrips                          | 1 pt./acre  | 3   |
| Watermelons  | Aphids, leaf miners, leafhoppers                                  | ½ to 1 pt./acre   | 3   |
| Peas   | Aphids  | ⅓ pt./acre  | Peas may be harvested on day of application. 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 used.                                |
| Peppers  | Aphids, leaf miners, maggots                                      | ½ to ⅔ pt./acre   | Peppers may be harvested on day of application.   |
| Potatoes   | Aphids, grasshoppers, leaf miners, leafhoppers                    | ½ to 1 pt./acre   | Potatoes may be harvested on day of application.  |
| Tomatoes   | Aphids, leaf miners, leafhoppers                                  | ½ to 1 pt./acre   | 7   |

Where cabbage worms and cabbage loopers are a problem, the above rates are compatible with endosulfan, malathion or parathion. Use in accordance with the manufacturers' directions for control of these insects.

Interval (Days) Between Last Application and Harvest

| Crop  | Pests Controlled  | Rate   | Interval (Days) Between Last Application and Harvest  |
|---|---|--|---|
| FIELD CROPS:<br>Alfalfa                     | Aphids, grasshoppers, leafhoppers, lygus bugs, reduction of alfalfa weevil larvae | 1/2 to 1 pt./acre  | Do not apply to alfalfa in the bloom period. Do not apply within 10 days of harvest or pasturing. Make only one application per cutting. Effective only on cutting to which applied.                    |
| Field Corn                                  | Banks grass mites (excluding Trans-Pecos area of Texas)                           | 2/5 to 1 pt./acre<br>Aerial Application: Spray over the foliage when mites appear. Apply above rates in 1 or more gals. of water per acre.                                     | 14<br>Apply as necessary. Make no more than three applications per year. Do not feed or graze within 14 days of last application.   |
|   | Grasshoppers  | 1 pt./acre<br>Ground Application: Apply above rate in 20 to 40 gals. of water per acre.<br>Aerial Application: Apply above rate in 1 or more gals. of water per acre.          |   |
| Cotton (grown in California and Arizona)    | Lygus bugs, leafhoppers, black fleahoppers  | 1/2 to 1 pt./acre  | 14<br>Repeat applications should not be made at intervals closer than 14 days. Make only 2 applications per season at the higher rate. Do not feed treated forage or graze livestock on treated fields. |
| Cotton                                      | Aphids, mites, thrips, fleahoppers  | 1/4 to 1/2 pt./acre  | 14<br>Repeat applications should not be made at intervals closer than 14 days. Do not feed treated forage or graze livestock on treated fields.   |
|   | Lygus bugs  | 1/2 pt./acre   |   |
| Safflower (grown in California and Arizona) | Aphids, leafhoppers, lygus bugs, thrips   | 1/2 to 1 pt./acre  | 14<br>Repeat applications should not be made at intervals closer than 14 days. Make only 2 applications per season at the higher rate.  |
| Sorghum (milo)                              | Aphids  | 1/2 to 1 pt./acre<br>Ground Application: Apply above rates in 25 to 40 gals. of water per acre.<br>Aerial Application: Apply above rates in 1 or more gals. of water per acre. | Do not feed or graze within 28 days of last application. Make no more than 3 applications as needed per season.   |
|   | Banks grass mites (excluding Trans-Pecos area of Texas)                           | 1 pt./acre<br>Ground Application: Apply above rate in 25 to 40 gals. of water per acre.<br>Aerial Application: Apply above rate in 1 or more gals. of water per acre.          |   |
|   | Grasshoppers  | 1 pt./acre<br>Ground Application: Apply above rate in 25 to 40 gals. of water per acre.<br>Aerial Application: Apply above rate in 1 or more gals. of water per acre.          |   |
|   | Sorghum midge   | 1/4 to 1/2 pt./acre<br>Aerial Application: Apply above rates in 1 or more gals. of water per acre.   |   |
| Soybeans                                    | Mexican bean beetle, spider mites, bean leaf beetle                               | 1 pt./acre<br>Aerial Application: Apply recommended rate in a minimum of 2 gals. of water per acre.  | 21<br>Do not feed or graze within 5 days of last application.   |
|   | Grasshoppers  | 1 pt./acre<br>Ground Application: Apply above rate in 25 to 40 gals. of water per acre.<br>Aerial Application: Apply above rate in 1 or more gals. of water per acre.          |   |
| Wheat                                       | Aphids (greenbugs)  | 1/2 to 3/4 pt./acre  | Do not apply within 14 days of grazing immature plant. Do not harvest grain within 60 days of last application.   |
|   | Brown wheat mite  | 1/3 to 1/2 pt./acre  |   |
|   | Grasshoppers  | 3/4 pt./acre   |   |
| SEED CROPS:<br>Alfalfa                      | Aphids, leafhoppers, lygus bugs, grasshoppers, reduction of alfalfa weevil larvae | 1/2 to 1 pt./acre  | Do not apply to alfalfa in the bloom period. Do not feed or graze livestock in treated crops, hay, freshings or stubble within 10 days of application.  |

ATTENTION:  
DO NOT USE ON SEED ONIONS, SEED CARROTS, OR SEED BERMUDA GRASS.

**CITRUS TREES—NONBEARING AND NURSERY STOCK**

Consult your state agricultural experimental station or state agricultural extension service for proper timing of applications.

| Plant  | Pests Controlled | Amount   |
|--|------------------|--|
| <b>CITRUS:</b><br>(California, Arizona)<br>Grapefruit<br>Lemons<br>Oranges<br>Tangerines | Aphids<br>Thrips | Foliar Spray: 1 pint per 100 gallons of water. Repeat applications as necessary. May be applied in the year grapefruit, lemon, orange and tangerine trees begin to bear fruit. Do not enter treated groves within 4 days of last application.<br>Soil Drench (Trees 1 to 3 years old): 2 quarts per acre applied in the furrow or basin around the base of tree. Apply when insect injury to new growth appears. Do not apply to trees that will bear fruit within one year. |

**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 Setre or the seller. In addition, failure to follow label directions may cause injury to other crops, animals, man, or the environment. Setre 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 Setre. Setre makes no other warranties or representations of any kind, express or implied, concerning this 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 Setre 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 Setre exceed the price of the product which causes the alleged loss, damage, injury, or other claim. Setre shall not be liable and any and all claims against Setre are waived, for special, indirect, incidental, or consequential damages or expenses, of any nature, including, but not limited to, loss of profits or income, whether or not based on Setre's negligence, breach of warranty, strict liability in tort or any other cause of action.

Setre 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.