



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

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

December 30, 2002

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

S-624439

Subject: EPA Reg. No. 19713-232  
Drexel Dimethoate 2.67  
Label Amendment  
Letter Dated October 4, 2002

Dear Ms. Piwonka:

The label amendment you submitted for the product referred to above has been reviewed by the Agency and it is acceptable, provided that you do the following:

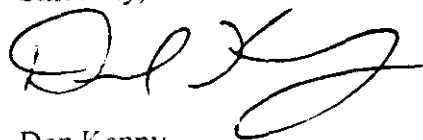
1. Add "Do not use air application" under Pecans on page 2 (right column).
2. Do the following under Corn (Field) on page 2 (left column):
  - a. Delete "Apply in ratio of 1 part this product in 20 qts. of water" as this statement is misleading.
  - b. Add "Do not feed or graze within 14 days of last application."
3. Add "When using the higher rate for scales control, the PHI is 45 days" to the SPECIFIC DIRECTIONS under Scales (page 3), pest of Grapefruit, Lemons, Oranges and Tangerines.

A stamped copy of the draft label is enclosed for your records. Submit 2 copies of the final printed labeling after incorporating the changes indicated above, before you release the product for shipment. Final printed labeling is the label with all the graphics

*EPA Reg. No. 19713-232 contd ....*

that goes on the container. Should you have any questions, do not hesitate to contact the reviewer of this product. Mr. S. Oonnithan at 703-605-0368.

Sincerely,

A handwritten signature in black ink, appearing to read 'DK', with a large, sweeping flourish extending to the right.

Dan Kenny  
Product Manager  
Insecticide Rodenticide Branch  
Registration Division (7505C)

Encl.

ACCEPTED  
with COMMENTS  
In EPA Letter Dated:  
DEC 30 2002



Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under EPA Reg. No.  
19713-232

# Dimethoate 2.67

Systemic Insecticide / Miticide

**ACTIVE INGREDIENT:**  
Dimethoate ..... 30.5%

**OTHER INGREDIENTS\*:** ..... 69.5%

**TOTAL:** ..... 100.0%

This product contains 2.67 pounds of Dimethoate per gallon.  
\*Contains Xylene-range aromatic solvent.

## 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 **FIRST AID** Below  
**SHAKE WELL BEFORE USING**

EPA Reg. No. 19713-232  
EPA Est. No. 19713-GA-1      Net Contents: \_\_\_\_\_

FIRST AID	
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious or convulsing person.</li> </ul>
<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 to 20 minutes.</li> </ul>
<b>IF INHALED:</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.</li> </ul>
<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> </ul>
Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
<b>NOTE TO PHYSICIAN:</b> Atropine is antidotal. Pralidoxime chloride may be effective as an adjunct to atropine. This product may cause cholinesterase inhibition. Aspiration solvent 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.	
Dimethoate is an organophosphate insecticide/miticide.	

**PRECAUTIONARY STATEMENTS**  
Hazards to Humans and Domestic Animals  
**WARNING:** 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.  
**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 B on an EPA chemical-resistance category selection chart.  
(Continued)

**PRECAUTIONARY STATEMENTS (Cont.)**  
Applicators and other handlers must wear: Long-sleeved shirt and long pants, chemical-resistant gloves such as Barrier Laminate or Butyl Rubber, chemical-resistant footwear plus socks, protective eyewear and chemical-resistant headgear for overhead exposure.  
For exposures in enclosed areas, a respirator with 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) or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R, P or HE prefilter.  
For exposures outdoors, dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C) or a NIOSH approved respirator with any R, P or HE filter.  
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. 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 Part 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

**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. Then wash thoroughly and put on clean clothing. 3) 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. 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.

**BEE CAUTION:** 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 if bees are visiting the treatment area.

**Note:** Add this statement to all container sizes 5 gallons and higher: Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local Sewage Treatment Plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

**CHEMICAL HAZARDS**  
Do not use, pour, spill or store near heat or open flame. Do not use this product in or on electrical equipment due to possibility of shock hazard.

Manufactured By:  
**Drexel Chemical Company**  
P.O. BOX 13327, MEMPHIS, TN 38113-0327  
SINCE 1972

**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. Before using, read warning statements on container label. Do not use on crops grown in greenhouses. 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 (WPS), 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 intervals (REI). The requirements in this box only apply to uses of this product that are covered by the WPS.

Do not enter or allow worker entry into treated areas during the REI of 48 hours.

PPE required for early entry to treated areas that is permitted under the WPS 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 and Butyl Rubber; chemical-resistant footwear plus socks, protective eyewear and chemical-resistant headgear for overhead exposure.

**DIRECTIONS FOR DILUTION UNLESS STATED**

**Dilute Application — Ground Application For Field and 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.

Field and Vegetable Crops	Pest Controlled	Rate* per Acre	PHI (Days)
Alfalfa	Aphids, Grasshoppers, Leafhoppers, Lygus bugs, Reduction of Alfalfa weevil larvae	0.75 to 1.5 pts.	10
	SPECIFIC DIRECTIONS: Do not feed livestock on treated crops, trashing or hay treated less than 10 days before harvest or pasture stubble sooner than 10 days after treatment. Make only one application per year. Effective only on cutting to which applied. This product is highly toxic to bees. Do not apply if bees are visiting the areas to be treated when crop or weeds are in bloom.		
Beans (Dry, Green, Lima, Lupine, Snap)	Aphids, Leafhoppers, Leafminers, Lygus bugs, Mites	0.75 to 1.5 pts.	0
	SPECIFIC DIRECTIONS: Beans may be harvested on day of application. Do not feed treated vines. This product is highly toxic to bees. Do not apply if bees are visiting the areas to be treated when crops or weeds are in bloom.		
Broccoli, Cauliflower, Cabbage	Aphids	0.75 to 1.5 pts.	7
Brussels sprouts (CA Only)	Aphids	1.5 to 3 pts.	10
	SPECIFIC DIRECTIONS: Apply in a minimum of 100 gals. of water per acre using ground equipment. Do not graze livestock in treated fields. Do not apply by air. Do not exceed 6 applications per growing season.		
Collards, Kale, Leaf lettuce, Spinach, Turnips (Greens, Roots)	Aphids, Leafhoppers, Leafminers	0.75 pts.	14
Com (Field)	Banks grass mites (except Trans Pecos area of TX)	1 to 1.5 pts.	14
	SPECIFIC DIRECTIONS: Broadcast by air. Spray over the foliage when Mites appear. Apply in ratio of 1 part this product in 20 qts. of water. Do not use less than 2.5 gals. per acre for 1 pt. rate and 3.75 gals. per acre for 1.5 pt. rate. Apply as necessary. Make no more than 3 applications per year. Do not apply during the pollen-shed period.		
Cotton (Grown in AZ & CA)	Black fleahoppers, Leafhoppers, Lygus bugs, Thrips	0.75 to 1.5 pts.	14
	SPECIFIC DIRECTIONS: Do not repeat application within 14 days. Do not feed treated forage or graze livestock on treated fields. Make only two applications per season at the higher rate.		

\*Use the higher application rate when insect pest population is high.

Field and Vegetable Crops	Pest Controlled	Rate* per Acre	PHI (Days)
Cotton (Early season)	Aphids, Mites, Thrips	0.33 to 0.66 pts.	14
	SPECIFIC DIRECTIONS: Do not repeat application within 14 days. Do not feed treated forage or graze livestock on treated fields.		
Endive, Mustard greens, Swiss chard	Aphids, Leafhoppers, Leafminers	0.75 pt.	14
Head lettuce	Aphids, Leafhoppers, Leafminers	0.75 pt.	7
Melons	Aphids, Leafhoppers, Leafminers	1.5 pts.	3
Peas (Lentils)	Aphids	0.5 pt.	0
	SPECIFIC DIRECTIONS: 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. Do not make more than 1 application per growing season. This product is highly toxic to bees. Do not apply if bees are visiting the area to be treated when crops or weeds are in bloom.		
Pecans	Aphids	1 pt.	21
	SPECIFIC DIRECTIONS: Apply with ground equipment only. Do not graze livestock in treated groves.		
Peppers	Aphids, Leafminers	0.75 to 1 pt.	0
	SPECIFIC DIRECTIONS: Peppers may be harvested on day of application.		
Potatoes	Aphids, Leafhoppers, Leafminers	0.75 to 1.5 pts.	0
	SPECIFIC DIRECTIONS: Potatoes may be harvested on day of application.		
Safflower (Grown in CA)	Aphids, Leafhoppers, Lygus bugs, Lygus, Thrips	0.75 to 1.5 pts.	14
	SPECIFIC DIRECTIONS: Repeat applications should not be made at intervals closer than 14 days. Do not make more than 2 applications per season at a higher rate.		
Soybeans	Mexican bean beetles, Spider mites	1.33 pts.	21
	SPECIFIC DIRECTIONS: Do not graze within 5 days of last application.		
Sorghum	Greenbugs	0.75 to 1.5 pts.	28
	SPECIFIC DIRECTIONS: Do not feed or graze within 28 days of last application. Use 0.33 to 0.66 pt. per acre for light infestations on young Sorghum prior to head formation. Make only 3 aerial applications or 3 ground applications as needed per season.		
Tomatoes	Aphids, Leafhoppers, Leafminers	0.75 to 1.5 pts.	7
Watermelons	Aphids, Leafhoppers, Leafminers	0.75 to 1.5 pts.	3
Wheat	Aphids, (Greenbugs)	0.75 to 1 pt.	14 (Grazing)
	Brown wheat mites	0.75 to 1.5 pts.	35 (Grain)
	SPECIFIC DIRECTIONS: Do not apply within 14 days of grazing immature plants. Do not harvest grain within 35 days of last application. Make no more than 2 applications per season.		

\*Use the higher application rate when insect pest population is high.

Tree Fruit/ Orchard Crops	Pest Controlled	PHI (Days)
Apples, Pears (Bearing and Non-bearing)	Aphids, Leafhoppers, Mites (except Rust mites), Pear psyllas	28
	SPECIFIC DIRECTIONS: Apply 0.75 to 1.5 pts. per 100 gals. of water. Use the higher application rate when insect population is high. Do not graze livestock in treated orchard. Do not apply when trees or substantial numbers of weeds in the orchard (grove) are in bloom. Do not apply during bloom period.	
Citrus (AZ & CA, Non-bearing)	Aphids, Thrips	
	SPECIFIC DIRECTIONS: Foliar Spray - Apply 1.5 pts. per 100 gals. of water. Repeat application as necessary. Soil Drench - For trees 1 to 3 years old, apply 3 qts. per acre in the furrow or soil ring around the base of tree. Apply when insect injury to new growth begins. Use only on non-bearing trees. Nursery stock applications should not be made in the year trees begin to bear fruit.	

Tree Fruit/ Orchard Crops	Pest Controlled	PHI (Day- s)
Citrus (except Citrons, Kumquats and Limes) (AZ only)	<p>Thrips</p> <p><b>SPECIFIC DIRECTIONS:</b> Use specified dosage of this product in the amount of water necessary to achieve adequate coverage of foliage. The type of equipment used will determine the concentration required.</p> <p><b>Air Application -</b> Apply up to 2 lbs. of active ingredient (3 qts.) in not less than 5 gals. of water per acre.</p> <p><b>Ground Application -</b> Apply up to 2 lbs. of active ingredient (3 qts.) in not less than 20 gals. of water per acre. Do not enter treated groves within 4 days of last application.</p> <p>Use of dimethoate is prohibited during any time of day in any given orchard from when that orchard is 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 15th and May 1st.</p> <p>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 Instructions". Both private and custom applicators shall mail to the Agriculture Department's Phoenix office the original of 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.</p>	15
Grapefruit, Lemons, Oranges, Tangerines	<p>Aphids, Thrips</p> <p><b>SPECIFIC DIRECTIONS:</b> Ground Equipment - 0.75 to 1.5 pts. per 100 gals. of water. Apply as an outside coverage spray. Air Equipment - 3 to 6 pts. per acre in 15 to 20 gals. of water.</p> <p>Mites (except Rust mites)</p> <p><b>SPECIFIC DIRECTIONS:</b> Ground Equipment - 0.75 to 1.5 pts. per 100 gals. of water. Apply as a thorough distribution coverage spray. Do not apply when trees or substantial numbers of weeds in the orchard (grove) are in bloom. Do not apply during bloom period.</p> <p>Scales (except Black or Snow)</p> <p><b>SPECIFIC DIRECTIONS:</b> Ground Equipment - 1.5 to 2.25 pts. per 100 gals. of water. Apply as a thorough coverage spray.</p> <p>Whiteflies</p> <p><b>SPECIFIC DIRECTIONS:</b> Ground Equipment - 1.5 pts. per 100 gals. of water. Apply as a thorough distribution coverage spray.</p>	15 15 45 15
<p>Use the higher application rate when insect population is high. Do not apply during bloom period. Do not use on seedlings. Make no more than 2 applications to mature fruit. Do not graze livestock in treated orchards.</p>		

### STORAGE AND DISPOSAL

DO NOT STORE BELOW FREEZING TEMPERATURES.

Do not contaminate water, food or feed by storage and disposal.  
**PESTICIDE STORAGE:** Store in a cool, dry, well ventilated area. Avoid high temperatures.

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. 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.

**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.

### WARRANTY—CONDITIONS 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 material not in strict accordance with directions given herewith.

In no case shall the Manufacturer 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 the Seller and is accepted as such by the Buyer.