

BEST DOCUMENT AVAILABLE

RED-TOP DIMETHOATE 2.67 SPRAY

APPLICATOR PRECAUTIONS

Required Clothing and Equipment for Application:

All applicators, including homeowners, 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.

ACTIVE INGREDIENT:	Dimethoate (O,O-Dimethyl S-[(methylcarbamoyl)methyl] phosphorodithioate)	30.5%
INERT INGREDIENTS:		69.5%
	(1 gallon contains 2.67 pounds of Dimethoate)	Total 100.0%

EPA Reg. No. 2935-390-AA

WARNING: KEEP OUT OF REACH OF CHILDREN

WARNING. HARMFUL OR FATAL IF SWALLOWED.

Vapor harmful. Concentrated material causes eye irritation. Do not breathe vapor or spray mist. Use only with adequate ventilation. Wash thoroughly after handling. Do not contaminate food or food products. Do not get in eyes, on skin, or on clothing. In case of contact with skin, wash with soap and water. See Side Panel For Antidote And Other Warnings.

This product is toxic to wildlife. Birds feeding on treated areas may be killed.

Do not contaminate water by cleaning of equipment or disposal of wastes.

DO NOT STORE BELOW FREEZING TEMPERATURES

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops.

Protective information may be obtained from your Cooperative Agricultural Extension Service.

WARNING - FLAMMABLES KEEP AWAY FROM HEAT OR OPEN FLAME.

Do not use this product for any uses other than those specified on this label.

DISPOSAL OF PAILS: Drain pail completely. Add 1/2 gallon of water, 1/4 cup of detergent and 1/4 pound of lye. Tighten closure. Soak pail to wet all surfaces and let stand for at least 15 minutes. Drain completely and rinse several times with water. Tighten closure. Puncture and crush pail to prevent re-use.

FIRST AID: In case of contact with eyes, flush with plenty of water for at least 15 minutes; get medical attention. NOTE TO PHYSICIANS: This product may cause cholinesterase inhibition. Atropine is antidote. Pralidoxime chloride (2-PAM), PROTOPAM chloride may be effective as an adjunct to atropine. Use according to label directions.

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This product is highly toxic to bees exposed to direct treatment or residues on blooming crops.

CROP

FRUIT:

Apples

Pears

Lemon

Oranges

Citrus

(non-bearing)

(Catt. and

Art.)

MUTH

Pocans

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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 recommended amount in sufficient water for thorough coverage; by aircraft equipment, in 2 to 10 gallons of water. Do not apply when weather conditions favor drift of spray from areas treated. Repeat applications as necessary unless otherwise specified. Consult your state experimental station or state extension service for proper timing of applications.

CROP	PESTS CONTROLLED	RATE	INTERVAL (DAYS) BETWEEN LAST APPLICATION AND HARVEST
FRUIT:			
Apples	Aphids, leafhoppers, mites (except rust mites)	1/2 to 1 1/2 pts./100 gals. water	28
Pears	Aphids	Ground Equipment: 1/2 to 1 1/2 pts./100 gals. water. Apply as an outside coverage spray. Aircraft Equipment: 3 to 6 pts./acre in 15 to 20 gals. water.	Do not apply during the bloom period 15
	Mites (except rust mites)	Ground Equipment: 1/2 to 1 1/2 pts./100 gals. water. Apply as a thorough distribution coverage spray.	15
Japanese Persimmon	Scales (except black or snow)	Ground Equipment: 1 1/2 to 2 1/2 pts./100 gals. water. Apply as a thorough coverage spray.	45
	Thrips	Ground Equipment: 1/2 to 1 1/2 pts./100 gals. water. Apply as a mist spray. Aircraft Equipment: 3 to 6 pts./acre in 15 to 20 gals. water.	15
	Whiteflies	Ground Equipment: 1 1/2 pts./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.			
Wine (non-bearing) (Cult. and Arts.)	Thrips Aphids	FOLIAR SPRAY: 1 1/2 pts. Red-Top Dimethoate 2.67 Spray per gallon of water. Repeat applications as necessary. Do not enter treated groves within 4 days of last application. SOIL BENCH: (Trees 1-3 years old) 3 quarts Red-Top Dimethoate 2.67 Spray per acre applied in the furrow or back around the base of the tree. Apply when insect injury to new growth appears. Red-Top Dimethoate 2.67 Spray should be used only on nursery stock and sapling trees. Do not apply in the year trees begin to bear a crop. Consult your state agricultural experiment station or state agricultural extension service for proper timing of application.	
NUTS:			
Walnuts	Aphids, mites, leafhoppers	Ground Equipment only: 1 pt./acre	21 Do not graze livestock in treated groves.

VEGETABLES CROPS

Beet (green, lima, snap, dry)	Aphids, leafhoppers, leaf miners, mites, lygus bugs	1/2 to 1 1/2 pts./acre	Beets may be harvested on day of application. Do not feed treated vines.
Broccoli	Aphids	1/2 to 1 1/2 pts./acre	7
Cauliflower	Aphids	1/2 to 1 1/2 pts./acre	3
Cabbage	Aphids, leafhoppers, leaf miners	1/2 pt./acre	7
Head lettuce	Aphids, leafhoppers, leaf miners	1/2 pt./acre	14
Leaf lettuce	Aphids, leafhoppers, leaf miners	1/2 pt./acre	7
Spinach	Aphids, leafhoppers, leaf miners	1/2 pt./acre	7
Celery	Aphids, leafhoppers, leaf miners	1/2 pt./acre	7
Kale	Aphids, leafhoppers, leaf miners	1/2 pt./acre	7
Turnip (green and roots)	Aphids, leafhoppers, leaf miners	1/2 pt./acre	7
Mustard greens	Aphids, leafhoppers, leaf miners	1/2 pt./acre	7
Swiss-chard	Aphids, leafhoppers, leaf miners	1/2 pt./acre	7
Endive (escarole)	Aphids, leafhoppers, leaf miners	1/2 pt./acre	7
Melons (except watermelon)	Aphids, leafhoppers, leaf miners	1 1/2 pts./acre	3
Watermelons	Aphids, leafhoppers, leaf miners	1/2 to 1 1/2 pts./acre	3
Peas	Aphids	1/2 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	1/2 to 1 pt./acre	Peppers may be harvested on day of application.
Potatoes	Aphids, leaf miners, leafhoppers	1/2 to 1 1/2 pts./acre	Potatoes may be harvested on day of application.
Tomatoes	Aphids, leaf miners, leafhoppers	1/2 to 1 1/2 pts./acre	7
Where Cabbageworms and Cabbage Loopers are a problem, the above rates of Red-Top Dimethoate 2.67 Spray are compatible with Endosulfan, Malathion or Parathion. Use in accordance with the manufacturer's directions for control of these insects.			
FIELD CROPS:			
Alfalfa (grown for hay)	Aphids, leafhoppers, lygus bugs, grasshoppers, reduction of alfalfa weevil larvae	1/2 to 1 1/2 pts./acre	Do not apply to alfalfa in the bloom period. Do not apply within 28 days of harvest or pasturing. Make only one application per season. Effective only on cutting to which applied.

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VEGETABLE CROPS

Beans (green, lima, snap, dry)	Aphids, leafhoppers, leaf miners, wireworm, beet	$\frac{1}{2}$ to $1\frac{1}{2}$ pt./acre	Beans may be harvested on day of application. Do not feed treated vines.
Broccoli	Aphids	$\frac{1}{2}$ to $1\frac{1}{2}$ pt./acre	7
Cauliflower	Aphids	$\frac{1}{2}$ to $1\frac{1}{2}$ pt./acre	3
Cabbage	Aphids, leafhoppers, leaf miners	$\frac{1}{2}$ pt./acre	7
Head lettuce	Aphids, leafhoppers, leaf miners	$\frac{1}{2}$ pt./acre	14
Leaf lettuce	Aphids, leafhoppers, leaf miners	$\frac{1}{2}$ pt./acre	14
Spinach	Aphids, leafhoppers, leaf miners	$\frac{1}{2}$ pt./acre	14
Collards	Aphids, leafhoppers, leaf miners	$\frac{1}{2}$ pt./acre	14
Kale	Aphids, leafhoppers, leaf miners	$\frac{1}{2}$ pt./acre	14
Turnip (green and root)	Aphids, leafhoppers, leaf miners	$\frac{1}{2}$ pt./acre	14
Muskmelon	Aphids, leafhoppers, leaf miners	$\frac{1}{2}$ pt./acre	3
Watermelon	Aphids, leafhoppers, leaf miners	$\frac{1}{2}$ pt./acre	3
Peanut	Aphids	$\frac{1}{2}$ 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 vial is used. Do not feed or graze when a mobile vial is used.
Peppers	Aphids, leaf miners, mites	$\frac{1}{2}$ to 1 pt./acre	Peppers may be harvested on day of application.
Potatoes	Aphids, leaf miners, leafhoppers	$\frac{1}{2}$ to $1\frac{1}{2}$ pt./acre	Potatoes may be harvested on day of application.
Tomatoes	Aphids, leaf miners, leafhoppers	$\frac{1}{2}$ to $1\frac{1}{2}$ pt./acre	7

Where Cabbageworms and Cabbage Looper are a problem, the above rates of Red-Top Dimethoate 2.87 Spray are compatible with Fenduffen, Malathion or Parathion. Use in accordance with the manufacturer's directions for control of these insects.

FIELD CROPS

Alfalfa (green for hay)	Aphids, leafhoppers, leafhoppers, reduction of alfalfa weevil larvae	$\frac{1}{2}$ to $1\frac{1}{2}$ pt./acre	Do not apply to alfalfa in the bloom period. Do not apply within 28 days of harvest or pasturing. Make only one application per season. Effective only on alfalfa to which applied.
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Cotton (green in California and Arizona)	lygids, beet, leafhoppers, Mites, Fleahoppers	$\frac{1}{2}$ to $1\frac{1}{2}$ pt./acre	14 Do not repeat applications within 14 days. Do not feed treated forage or grass livestock on treated fields.
Cotton (early season)	Aphids, mites, Fleahoppers	$\frac{1}{2}$ to $\frac{3}{4}$ pt./acre	14 Do not repeat applications within 14 days. Do not feed treated forage or grass livestock on treated fields.
Cotton (Ohio, Kansas, Texas)	Aphids, leafhoppers, Fleahoppers	$\frac{1}{2}$ to $1\frac{1}{2}$ pt./acre	14 Repeat applications should not be made at intervals closer than 14 days. Make only two applications per season.
Tobacco	Aphids	$\frac{1}{2}$ to 1 pt./acre	21

ORCHARD CROPS

Almonds	Aphids, leafhoppers, lygids, beet, grasshoppers, reduction of alfalfa weevil larvae	$\frac{1}{2}$ to $1\frac{1}{2}$ pt./acre	Do not apply to alfalfa during bloom period. Do not feed or graze livestock on treated areas, hay, stubble or thinnings within 10 days of application.
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FOREST INSECTS

Do not apply to pine trees used for pine nut or plywood production.

TREE			
Flagon Pine	Flagon needle scale	1 gal. in 100 gal. water	Apply spray to egg masses at the base of the trees and to all reach bark and cracks that can be reached from the ground. Make this bark application when trunks start to emerge from the eggs. Use hydraulic or back pack sprayer. Do not spray leaves or needles. Mass phytoxicity may result.
Douglas Fir	Fir cone scale	$\frac{1}{2}$ gal. in 100 gal. water	Make thorough coverage application when cones are closed and present. Use hydraulic or back pack sprayer.
Pine	loblolly pine sawfly	$\frac{1}{2}$ to $\frac{3}{4}$ pt./acre in 2 gal. water	Apply by aircraft when air is calm and the temperature is below 68°F. Apply when most larvae are in the second and third instars.

NOTICE: The statements made on this label, are believed to be true and accurate, but because of conditions of use which are beyond our control, WILBUR-ELLIS COMPANY does not make, nor does it authorize any agent or representative to make, any warranty, guaranty or representation, express or implied, concerning this material or the use thereof, except in conformity with the statements on the label. Neither WILBUR-ELLIS COMPANY nor the seller shall be held responsible in any manner for any personal injury or property damage or loss resulting to the buyer or to the other person from handling, storage or use of this material, not in accordance with directions. The buyer assumes all risk and liability resulting from improper handling, storage or use and accepts and uses this material on these conditions.