

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



OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

September 1, 2005

Mr. Dave Bolin
BASF Corporation
26 Davis Drive
Research Triangle Park, NC 27709

Dear Mr Bolin:

Subject: Revised Labeling for EPA Reg. No. 7969-30
Rebelate Dimethoate Systemic Insecticide
Use Deletions of Dimethoate as Requested by the Agency
Your Submission Dated August 8, 2005

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 Conditions of Sale and Warranty statement.
3. As per the August 10, 1993 and September 28, 1993 Agency letters, in the Vegetable Crops table, add a statement in the "Peas" section to read, "Make only one application per season."
4. Add the following statement to the label in the Directions for Use, "Do not use on seed onions, seed carrots or seed bermuda grass."

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,

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

Enclosure (1)

ACCEPTED
with COMMENTS
In EPA Letter Dated:

SEP 1 2005

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.
7969-30

BASF

Rebelate®

Dimethoate Systemic Insecticide

Active Ingredient

Dimethoate* [O, O-dimethyl S-[N-(Methylcarbamoyl)methyl] phosphorodithioate).....	30.3%
Inert Ingredients	69.7%
Total	100.0%

* 1 gallon contains 2.67 pounds of Dimethoate

EPA Reg. No. 7969-30

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 inside booklet for complete **First Aid, Precautionary Statements, Directions For Use, and Conditions of Sale and Warranty.**

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to supplemental labeling under "Agricultural Use Requirements" in the **Directions For Use** section for information about this standard.

Product of Denmark

Net contents: 1 gallon

BASF Corporation
P.O. Box 13528, Research Triangle Park, NC 27709

PRECAUTIONARY STATEMENTS
Hazard to Humans (and Domestic Animals)

WARNING

May be fatal if swallowed or inhaled. May cause eye injury. Harmful if absorbed through skin. Harmful if inhaled. May cause irritation of the nose and throat. Do not get in eyes, on skin, or on clothing. Avoid breathing the vapor or spray mist. Keep away from domestic animals and foodstuffs. Do not contaminate or apply onto feed or foodstuffs.

FIRST AID	
Contains an organophosphate that inhibits cholinesterase.	
If swallowed	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
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 first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
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 mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact BASF Corporation for emergency medical treatment information: 1-800-832-HELP (4357).	
NOTE TO PHYSICIAN	
This product may cause cholinesterase inhibition. Atropine is antidotal. Pralidoxine chloride (2-PAM; PROTOPAM chloride) may be effective as an adjunct to atropine. Use according to directions.	

EMERGENCY TELEPHONE NUMBERS: Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact:

- | | |
|-----------------------|--------------------------------------|
| (800) 424-9300 | CHEMTREC (Transportation and Spills) |
| (800) 832-HELP (4357) | Human Health |
| (800) 345-4735 | ASPCA (Animal Health) |

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 G on an EPA chemical resistance category selection chart.

Applicators and other handlers (except mixers and loaders) must wear:

1. Long-sleeved shirt and long pants
2. Chemical-resistant gloves, such as barrier laminate or viton
3. Shoes plus socks
4. Protective eyewear
5. Chemical-resistant headgear for overhead exposure

Mixers and loaders must wear:

1. Long-sleeved shirt and long pants
2. Chemical-resistant gloves, such as barrier laminate or viton
3. Shoes plus socks
4. Protective eyewear
5. Chemical-resistant headgear
6. For exposure in enclosed areas, use 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), or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R, P or HE prefilter.

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

ENGINEERING CONTROL:

Human flaggers must be in enclosed cabs. 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.

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. 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 when disposing of equipment washwaters. This product 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.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or 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.

Read the precautionary statement, environmental hazards, storage and disposal statements, and **Conditions of Sale and Warranty** statement appearing in this booklet.

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 and restricted-entry intervals. 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
- Chemical-resistant gloves, such as barrier laminate or viton
- Shoes plus socks
- Protective eyewear
- 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, pets, and other unprotected persons out of treated areas until sprays have dried.

STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food or feed by storage or disposal. Do not store under conditions which might adversely affect the container or its ability to function properly. Open dumping is prohibited.

PESTICIDE STORAGE: Do not store below temperature of 32 degrees F., as it may tend to crystallize. Avoid storage above 90 degrees F., as prolonged storage above 90 degrees F. may cause some loss in grade. Store in safe manner. Store in original container only. Keep container tightly closed when not in use. Reduce stacking height where local conditions can affect package strength.

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.

CONTAINER DISPOSAL: 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.

DIRECTIONS

Not for use or storage in or around the home.

This product is intended for use by commercial growers, or commercial applicators in conventional hydraulic sprayers, ground applicators, or aerial sprayers. Do not apply when weather conditions favor drift of spray from treated areas.

AIR APPLICATION:

Use recommended amount in 2 to 10 gallons of water, unless otherwise noted. Apply at least 5 gallons finished spray per acre in California. Repeat applications as necessary unless otherwise specified.

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.

Consult your State Experiment Station or State Extension Service for proper timing of applications.

GROUND APPLICATION:

Use recommended amount in sufficient water for thorough coverage, usually 25 to 50 gallons per acre unless otherwise noted.

COMPATIBILITY*

Rebelate is compatible in spray tank mixes with most insecticides, miticides, and fungicides, provided they are not alkaline in reaction. Field experience indicates that Rebelate has been satisfactorily mixed with Sevin[®], Diazinon[®], Pydrin[®], Guthion[®], Malathion, parathion, Kelthane[®], Cyprex[®], Captan[®], Zineb[®], and Thiram[®]. Because uniform dispersibility and sprayability may be influenced by pesticide combinations used, it is recommended that compatibility be determined before adding pesticides to

the spray tank. The addition of X-77® Spreader at recommended rates will usually eliminate any incompatibility noted.

For proper mixing, spray tank should be at least three-quarters filled with water before adding Rebelate formulations. Mechanical agitation or recirculation through pump bypass to tank is usually sufficient for maintaining a good dispersion.

Tank mixing must be done in accordance with the more (most) restrictive of label limitations and precautions for all products to be mixed. No label dosage rates should be exceeded. This product cannot be mixed with any product containing a label prohibition against such mixing.

*Tank mixes not registered in California.

CROP USES			
Crops	Pests Controlled	Rate	Interval (Days) Between Last Application and Harvest
VEGETABLE CROPS			
Beans (green, lima, snap, dry)	Aphids, Leafhoppers, Leaf miners, Mites, Lygus bugs	¾ - 1½ pts/A	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 crop or weeds are in bloom.
Cauliflower	Aphids	¾ - 1½ pts/A	7
Endive (escarole), Kale, Leaf Lettuce, Mustard greens, Swiss chard, Turnip (greens & roots)	Aphids, Leafhoppers, Leaf miners	¾ pt/A	14
Melons (except watermelons)	Aphids, Leafhoppers, Leaf miners, Thrips	1½ pts/A	3

Peas	Aphids	½ pt/A	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. 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.
Peppers	Aphids, Leaf miners, Maggots	¾ - 1 pt/A	Peppers may be harvested on day of application.
Potatoes	Aphids, Leaf miners, Maggots	¾ - 1½ pts/A	Potatoes may be harvested on day of application.
Tomatoes	Aphids, Leaf miners, Maggots	¾ - 1½ pts/A	7
Watermelons	Aphids, Leaf miners, Maggots	¾ - 1½ pts/A	3

CROP USES			
Crops	Pests Controlled	Rate	Interval (Days) Between Last Application and Harvest
FIELD CROPS			
Alfalfa (grown for hay)	Aphids, Leafhoppers, Lygus bugs, Grasshoppers, Reduction of Alfalfa weevil larvae	¾ - 1½ pts/A	Do not apply to alfalfa in the bloom period. Do not apply within 10 days of harvest or pasturing. Make only one application per year. Application 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.
Alfalfa (seed crop)	Aphids, Leafhoppers, Lygus bugs, Grasshoppers, Reduction of Alfalfa weevil larvae	$\frac{3}{4}$ - $1\frac{1}{2}$ pts/A	Do not apply to alfalfa in the bloom period. Do not feed or graze livestock on treated crops, hay, threshings, or stubble within 10 days of harvest. 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.
Cotton (grown in CA & AZ)	Lygus bugs, Leafhoppers, Black fleahoppers	$\frac{3}{4}$ - $1\frac{1}{2}$ pts/A	14 Do not repeat applications within 14 days. Do not feed treated forage or graze livestock on treated fields.
Cotton (early season)	Aphids, Mites, Thrips	$\frac{1}{3}$ - $\frac{2}{3}$ pt/A	14 Do not repeat applications within 14 days. Do not feed treated forage or graze livestock on treated fields.
Cotton (OK & TX)	Fleahoppers		
Safflower (grown in CA)	Aphids, Leafhoppers, Lygus bugs, Thrips	$\frac{3}{4}$ - $1\frac{1}{2}$ pts/A	14 Repeat application should not be made at intervals closer than 14 days. Make only three applications per season at the higher rates.
Sorghum	Aphids (green bugs)	$\frac{3}{4}$ - 1 pt/A	Do not feed or graze within 28 days of last application. Do not apply after sorghum has headed. No more than

			three applications per season. May be applied through ground or aerial equipment. May be used in low volume applications.
Wheat (KS, TX, OK only)	Aphids (green bug)	$\frac{3}{4}$ - 1 pt/A	60 Do not make more than 2 applications per season. Do not allow livestock to graze within 14 days of last application. May be applied through ground or aerial equipment. May be used in low volume applications.
	Brown wheat mite	$\frac{1}{2}$ - $\frac{3}{4}$ pt/A	

CROP USES			
Crops	Pests Controlled	Rate	Interval (Days) Between Last Application and Harvest
FRUITS AND NUTS			
Citrus (non-bearing)	Thrips, Aphids	Foliar Spray: $1\frac{1}{2}$ pts Rebelate per 100 gals of water. Repeat applications are necessary. Soil Drench: (Trees 1-3 years old) 3 quarts Rebelate per acre applied in the furrow or basin around the base of the tree. Apply when insect injury to new growth appears. Rebelate should be used only on nursery stock and non-bearing trees, except as directed below for foliar sprays applied to lemons and oranges. Do not apply in the year trees begin to bear a crop except for lemons and oranges. Consult your state agricultural extension service for proper timing of applications.	

Grapefruit, Lemons, Oranges, Tangerines	Aphids	Ground Equipment: $\frac{3}{4}$ - $1\frac{1}{2}$ pts/100 gals water. Apply as an outside coverage spray. Aircraft Equipment: 3-6 pts/A in 15-20 gals water	15
	Mites (except rust mites)	Ground Equipment: $\frac{3}{4}$ - $1\frac{1}{2}$ pts/100 gals water. Apply as thorough distribution coverage spray.	15
	Scales (except black or snow)	Ground Equipment: $1\frac{1}{2}$ - $2\frac{1}{2}$ pts/100 gals water. Apply as thorough coverage spray.	45
	Thrips	Ground Equipment: $\frac{3}{4}$ - $1\frac{1}{2}$ pts/100 gals water. Apply as a mist spray. Aircraft Equipment: 3-6 pts/A in 15-20 gals water	15
	White Flies	Ground Equipment: $1\frac{1}{2}$ 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 TWO APPLICATIONS TO MATURE FRUIT. DO NOT ENTER TREATED GROVES WITHIN 4 DAYS OF LAST APPLICATION	
		Do not apply when trees or substantial numbers of weed in the orchard (grove) are in bloom. Do not graze livestock in treated groves.	

Pears	Aphids, Leafhoppers, Pear psylla, Mites (except rust mites)	$\frac{3}{4}$ - $1\frac{1}{2}$ pts/100 gals water	28 Do not apply during bloom period. Do not apply when trees or substantial numbers of weeds in orchard (grove) are in bloom. Do not graze livestock in treated groves.
Pecans	Aphids	1 pt/100 gals water/A. Apply only with ground equipment as a thorough coverage spray. Do not apply within 21 days of harvest. Do not graze livestock in treated groves.	

Conditions of Sale and Warranty

The **Directions For Use** of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result, because of such factors as weather conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of BASF CORPORATION ("BASF") or the seller. All such risks shall be assumed by the Buyer.

BASF warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions For Use**, subject to the inherent risks, referred to above. BASF MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. TO THE EXTENT PERMITTED BY LAW, BASF AND THE SELLER DISCLAIM ANY LIABILITY FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. BASF and the Seller offer this product, and the Buyer and User accept it, subject to the foregoing **Conditions of Sale and Warranty** which may be varied only by agreement in writing signed by a duly authorized representative of BASF.