

9779-273 7.7.2008

4/19



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

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Alice Walker, Ph.D.  
Agent for Winfield Solutions  
3094 Country Club Road  
Senatobia, MS 38668

JUL 7 2008

Subject: Label Notification(s) for Pesticide Registration Notices 2007-4 and 98-10

Dear Dr. Walker:

The Agency is in receipt of your Application(s) for Pesticide Notification under Pesticide Registration Notices (PRN) 2007-4 and 98-10 dated April 26, 2008 for:

**EPA Registration 9779-273      Dimante 4E**

The Registration Division (RD) has conducted a review of this request for applicability under PR Notices 2007-4 and 98-10 and finds that the label changes requested falls within the scope of PR Notices 2007-4 and 98-10. The label has been date-stamped "Notification" and will be placed in our records.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on nonrefillable containers. The code may appear either on the label (and can be added by non-notification/PR Notice 98-10) or durably marked on the container itself.

If you have any questions, please contact me directly at 703-305-6249 or Nicole Williams of my staff at 703-308-8893.

Sincerely,

Linda Arrington  
Notifications & Minor Formulations Team Leader  
Registration Division (7505P)  
Office of Pesticide Programs

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*Alice Walker, Ph.D.*

REGULATORY CONSULTING • 3094 COUNTRY CLUB ROAD • SENATOBIA, MS 38668

June 4, 2008

Document Processing Desk (Notif)  
Office of Pesticide Programs (7504P)  
U.S. Environmental Protection Agency  
Ariel Rios Building  
1200 Pennsylvania Ave., NW  
Washington, DC 20460

Attn: Ms. Nicole Williams

**Re: Notification of New Container Disposal Language per PRN 2007-4 as Revised  
April 29, 2008**

I am resubmitting Winfield Solutions' labels below in accordance with PRN 2007-4 as revised April 29, 2008.

| Product Name     | EPA Reg. No. |
|------------------|--------------|
| Actellic 5E      | 1381-170     |
| Atrazine 4L      | 1381-158     |
| Bison            | 9779-347     |
| Charger Basic    | 1381-207     |
| Charger Max      | 1381-194     |
| Charger Max ATZ  | 1381-199     |
| Cornerstone      | 1381-191     |
| Cornerstone      | 1381-201     |
| Cornerstone Plus | 1381-192     |
| Cornerstone Plus | 1381-200     |
| Glyphosate 41%   |              |

These notifications are consistent with the provisions of PR Notices 98-10 and 07-4 and the requirements of EPA's regulations at 40 CFR §§ 152.46, 156.10, 156.140, 156.144, 156.146, and 156.156 and no other changes have been made to the labeling or the confidential statements of formula of these products. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if these notifications are not consistent with the terms of PR Notices 98-10 and 07-4 and 40 CFR 152.46, 156.10, 156.140, 156.144, 156.146, and 156.156 this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Yours very truly,

Alice Walker, Ph.D.  
Regulatory Consultant

Phone 662-562-5995 • Fax 662-560-5391  
Email [alicewalker@epaconsulting.net](mailto:alicewalker@epaconsulting.net)

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

Need  
New  
~~98-10~~  
Certified  
Statement

Alice Walker, Ph.D.  
Agent for Winfield Solutions  
3094 Country Club Road  
Senatobia, MS 38668

Subject: Label Notification(s) for Pesticide Registration Notices 2007-4 and 98-10

Dear Dr. Walker:

The Agency is in receipt of your Application(s) for Pesticide Notification under Pesticide Registration Notices (PRN) 2007-4 dated April 26, 2008 for:

**EPA Registration 9779-273      Dimante 4E**

The Registration Division (RD) has conducted a review of this request for applicability under PR Notices 2007-4 and finds that the label changes requested falls within the scope of PR Notices 2007-4. The label has been date-stamped "Notification" and will be placed in our records.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on nonrefillable containers. The code may appear either on the label (and can be added by non-notification/PR Notice 98-10) or durably marked on the container itself.

If you have any questions, please contact me directly at 703-305-6249 or Nicole Williams of my staff at 703-308-8893.

Sincerely,

Linda Arrington  
Notifications & Minor Formulations Team Leader  
Registration Division (7505P)  
Office of Pesticide Programs

4/19

Please read instructions on reverse before completing form.

Form Approved, OMB No. 2070-0080, Approval expires 2-28-95



United States  
Environmental Protection Agency  
Washington, DC 20460

Registration  
 Amendment  
 Other

OPP Identifier Number

Application for Pesticide - Section I

|   |   |  |
|---|---|--|
| 1. Company/Product Number<br>9779-273   | 2. EPA Product Manager  | 3. Proposed Classification<br><input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted |
| 4. Company/Product (Name)<br>Dimate 4E  | PM#<br>1  |  |
| 5. Name and Address of Applicant (Include ZIP Code)<br>Winfield Solutions, LLC, c/o Alice Walker Consulting<br>3094 Country Club Road<br>Senatobia, MS 38668<br><input type="checkbox"/> Check if this is a new address | 6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition to:<br>EPA Reg. No. _____<br>Product Name _____ |  |

**NOTIFICATION**  
JUL 0, 2008  
JUL 0, 2008

Section - II

|  |  |
|--|--|
| <input type="checkbox"/> Amendment - Explain below.                            | <input type="checkbox"/> Final printed labels in response to Agency letter dated _____ |
| <input type="checkbox"/> Resubmission in response to Agency letter dated _____ | <input type="checkbox"/> "Me Too" Application.   |
| <input checked="" type="checkbox"/> Notification - Explain below.              | <input type="checkbox"/> Other - Explain below.  |

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Notification of new container disposal language per PRN 07-4. We have also added the Chemtrec no. below Storage and Disposal and revised the disclaimer as has been previously approved in earlier submissions. This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Section - III

|   |  |   |                   |   |   |
|---|--|---|-------------------|---|---|
| 1. Material This Product Will Be Packaged In:   |  |   |                   | 2. Type of Container  |   |
| Child-Resistant Packaging<br><input type="checkbox"/> Yes<br><input checked="" type="checkbox"/> No                                     | Unit Packaging<br><input type="checkbox"/> Yes<br><input checked="" type="checkbox"/> No | Water Soluble Packaging<br><input type="checkbox"/> Yes<br><input checked="" type="checkbox"/> No |                   | <input checked="" type="checkbox"/> Metal                                       | <input checked="" type="checkbox"/> Plastic |
|   |  |   |                   | <input type="checkbox"/> Glass  | <input type="checkbox"/> Paper              |
| * Certification must be submitted   |  | If "Yes" Unit Packaging wgt.  | No. per container | If "Yes" Package wgt  | No. per container                           |
|   |  |   |                   | <input type="checkbox"/> Other (Specify) _____                                  |   |
| 3. Location of Net Contents Information<br><input checked="" type="checkbox"/> Label <input type="checkbox"/> Container                 |  | 4. Size(s) Retail Container<br>1 gal, 2-1/2 gals., 15 gals.                                       |                   | 5. Location of Label Directions<br><input checked="" type="checkbox"/> On label |   |
| 6. Manner in Which Label is Affixed to Product<br><input type="checkbox"/> Lithograph Paper glued<br><input type="checkbox"/> Stenciled |  |   |                   | <input checked="" type="checkbox"/> Other self-adhesive booklet                 |   |

Section - IV

|  |  |                    |  |   |   |
|--|--|--------------------|--|---|---|
| 1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)  |  |                    |  |   |   |
| Name<br>Alice Walker, Ph.D.  |  | Title<br>Agent     |  | Telephone No. (Include Area Code)<br>662-562-5995 |   |
| <b>Certification</b><br>I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law. |  |                    |  |   | 6. Date Application Received<br>(Stamped) |
| 2. Signature<br><i>Alice Walker</i>  |  | 3. Title<br>Agent  |  |   |   |
| 4. Typed Name<br>Alice Walker, Ph.D.   |  | 5. Date<br>4-26-08 |  |   |   |
|  |  |                    |  |   |   |

5/19



### Dimate 4E Systemic Insecticide

### NOTIFICATION

JUL 07 2008

|  |         |
|--|---------|
| ACTIVE INGREDIENT  |         |
| Dimethoate (O,O-dimethyl S-[N-(methylcarbamoyl) Methyl] phosphorodithioate)..... | 44.74%  |
| OTHER INGREDIENTS* .....   | 55.26%  |
| TOTAL.....   | 100.00% |

\*Contains Petroleum Distillate  
Contains 4 pounds dimethoate per gallon.

**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).

|   |  |
|---|--|
| <b>FIRST AID</b>  |  |
| <b>ORGANOPHOSPHATE</b>  |  |
| IF SWALLOWED  | <ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Do not give any liquid to the person</li> <li>• Do not give anything by mouth to an unconscious person.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> </ul> |
| IF IN EYES  | <ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>  |
| IF INHALED  | <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> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>                                       |
| IF ON SKIN OR CLOTHING  | <ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>  |
| Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For further emergency medical information call toll-free 1-877-424-7452. |  |
| <b>NOTE TO PHYSICIAN:</b> Dimethoate is an acetyl cholinesterase inhibitor. Atropine is antidotal. Contains petroleum distillate – vomiting may cause aspiration pneumonia.                   |  |

Read Additional PRECAUTIONARY STATEMENTS inside booklet.

EPA Reg. No. 9779-273

EPA Est. No. 51036-GA-01

Distributed By  
Winfield Solutions, LLC  
P.O. Box 64589, St. Paul, MN 55164-0589  
RQ

NET CONTENTS  
2.5 GALS  
0/0425/8

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

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

**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 F on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear long-sleeved shirt and long pants, chemical-resistant gloves, such as Barrier Laminate, Butyl Rubber  $\geq$  14 mils, Nitrile Rubber  $\geq$  14 mils, or Viton  $\geq$  14 mils; chemical-resistant footwear plus socks; protective eyewear; chemical-resistant headgear for overhead exposure. For exposure outdoors, 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. For exposures in enclosed areas, use a respirator with an organic vapor-removing cartridge with a pre-filter 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.

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.

**Engineering Controls Statement:**

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 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 when disposing of equipment washwaters.

**HIGHLY TOXIC TO BEES:** This product is toxic to bees. Restrict application to the period after dark when bees are inside the hive or in the early morning before the bees are foraging in the fields. Protective information may be obtained from your Cooperative Agricultural Extension Service.

**PHYSICAL OR CHEMICAL HAZARDS**

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

### GENERAL INFORMATION

DIMATE 4E is useful for control of certain pests of certain fruit crops, nuts, vegetables, and field crops. DIMATE 4E may be applied by ground sprayers or by airplanes, mixing the DIMATE 4E in water to form an emulsion spray solution. To make the spray solution, half fill the spray tank with water, agitate, add the proper amount of DIMATE 4E and then fill the spray tank with water while still agitating. Continue to agitate during use.

When applying with ground sprayers, calibrate so as to apply the recommended amount of DIMATE 4E in not less than 3 gallons of water per acre unless directed otherwise. Airplanes should spray the recommended amount of DIMATE 4E in 3 to 10 gallons of water per acre unless directed otherwise. Always use sufficient water for adequate coverage of the crop foliage. The dosages given under DIRECTIONS FOR USE are the amounts of DIMATE 4E to be applied per acre treated per application. Repeat application as necessary, unless otherwise directed in DIRECTIONS FOR USE. Where a dosage range is given use the lower rate in small or young plants or with light insect infestations; use the higher rate on large or more mature plants or with heavy insect infestations. The hazards and precautions for handling DIMATE 4E in this container are equally applicable to it after dilution with water for spray application.

### 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.

### 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, chemical-resistant gloves, such as Barrier Laminate, Butyl Rubber  $\geq$  14 mils, Nitrile Rubber  $\geq$  14 mils, or Viton  $\geq$  14 mils, chemical-resistant footwear plus socks, protective eyewear, and chemical-resistant headgear for overhead exposure.

### 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.

### APPLICATION THROUGH IRRIGATION SYSTEMS

Apply this product only through sprinkler, including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move irrigation systems. Do not apply this product through any other type of irrigation system.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from nonuniform distribution of treated water.

If you should have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label prescribed safety devices for public water systems are in place.

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

Mix in clean supply tank the recommended amount of this product for acreage to be covered and needed quantity of water.

This product should not be tank-mixed with other pesticides, surfactants, or fertilizers unless prior use has shown the combination noninjurious under your conditions of use.

Follow precautionary statements and directions for all tank-mixed products.

On all crops, use sufficient gallonage of water to obtain thorough and uniform coverage, but not cause runoff or excessive leaching. This will vary depending on equipment, pest problem and stage of growth. Application of more or less than optimal quantity of water may result in decreased chemical performance, crop injury or illegal pesticide residues.

Meter this product into the irrigation water uniformly during the period of operation. Do not overlap application. Follow recommended label rates, application timing, and other directions and precautions for crop being treated.

Continuous mild agitation of pesticide mixture may be needed to assure a uniform application, particularly if the supply tank requires a number of hours to empty.

### **SYSTEMS CONNECTED TO PUBLIC WATER SOURCES**

Great care should be taken and properly maintained equipment used when connecting chemigation systems to public water supplies. The following information is provided for users who have diligently considered all other application and water supply options before electing to make such a connection.

Public water system means a system for the provision to the public of piped water for human consumption if such a system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year. Chemigation systems connected to public water systems must contain a functional reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.



The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift beyond the area intended for treatment.

**SPRINKLER IRRIGATION (FOLIAR SPRAY USES)**

The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift beyond the area intended for treatment.

**CROPS AND SITES**

| Crop            | Pest Controlled  | Rate per acre                | Interval (Days) Between Last Application and Harvest  |
|-----------------|--|------------------------------|---|
| FRUIT:<br>Pears | aphids, leaf-hoppers, mites (except rust mites), pear psylla | 1/2 to 1 pt./100 gals. water | 28<br>Do not apply when trees or substantial number of weeds in the orchard are in bloom. Do not graze livestock in treated orchards. |

| Crop  | Pest Controlled               | Rate per acre   | Interval (Days) Between Last Application and Harvest   |
|---|-------------------------------|---|--|
| <b>CITRUS:</b><br>Grapefruit,<br>Lemons,<br>Oranges,<br>Tangerines  | aphids                        | Ground equipment: 1/2 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: 1/2 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: 1/2 to 1 pt./100 gals. water. Apply as a mist spray.<br><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 when trees or substantial number of weeds in the grove are in bloom. Do not use on citrus seedlings. Make no more than 2 applications to mature fruit. Do not graze livestock in treated orchards. |                               |   |  |
| Grapefruit,<br>Lemons,<br>Oranges,<br>Tangerines<br>(California,<br>Arizona)  | aphids, thrips                | Foliar Spray: 1 pt./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 graze livestock in treated orchards.                                    |
|   |                               | Soil Drench (trees 1 to 3 years old): 2 qts./acre   | Apply in the furrow or basin around the base of trees. Apply when insect injury to new growth appears. Do not apply to trees that will bear fruit within one year. Do not graze livestock in treated orchards. |

| Crop   | Pest Controlled  | Rate per acre  | Interval (Days) Between Last Application and Harvest   |
|--|--|--|--|
| <b>CITRUS TREES: - - NONBEARING AND NURSERY STOCK</b><br>Consult your state agricultural experimental station or state agricultural extension service for proper timing application. |  |  |  |
| Nuts:<br>Pecans  | aphids, mites,<br>leafhoppers  | Ground equipment: 2/3<br>pt./acre.   | 21<br>Do not graze livestock in treated groves.  |
|  | aphids   | Aerial Equipment: 2/3<br>pt./acre in a minimum<br>of 5 gals. of finished<br>spray.                   |  |
| <b>VEGETABLE CROPS:</b><br>Asparagus (Do not use on asparagus in California or Arizona)  | aphids,<br>Asparagus beetles   | 1 pt./acre   | Apply after the last harvest at no less than 7 day intervals up to a maximum of 5 pt. per acre per year. Do not apply less than 180 days before harvest. |
| Beans, (green, lima, snap, dry)  | aphids,<br>grasshoppers,<br>leafhoppers,<br>leaf miners,<br>lygus bugs,<br>mites | 1/2 to 1 pt./acre  | Beans may be harvested on day of application. Do not feed treated vines.   |
| Broccoli<br>Cauliflower  | aphids   | 1/2 to 1 pt./acre  | 7  |
| Brussels Sprouts (For use in California only)  | Aphids.<br>Apply when insects first appear and repeat as needed.                 | Ground Equipment: 1 to 2 pts./acre in a minimum of 100 gals. of water per acre. Do not apply by air. | 10<br>Do not exceed 6 applications per growing season. Do not feed or graze livestock in treated areas.  |
| Celery (Florida)   | leaf miners  | Ground Equipment: 1 pt./acre   | 7  |
| Leaf Lettuce, , Kale, Turnip (greens and roots), Mustard greens, Swiss chard, Endive (Escarole)  | aphids,<br>leafhoppers,<br>leaf miners   | 1/2 pt./acre   | 14   |

| Crop                        | Pest Controlled                                | Rate per acre       | Interval (Days) Between Last Application and Harvest   |
|-----------------------------|--|---------------------|--|
| Lentils                     | lygus bug                                      | 1 pt./acre          | Do not apply within 14 days of harvest. Do not feed or graze treated plants. Do not make more than two applications per growing season. 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. |
|                             | aphids   | 1/2 to 1 pt./acre   | Do not make more than two applications per growing season. Do not apply within 14 days of harvest. Do not feed or graze treated plants. 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. |
| Melons (except watermelons) | aphids, leafhoppers, leaf miners, thrips       | 1 pt./acre          | 3  |
| Watermelons                 | aphids, leafhoppers, leaf miners,              | 1/2 to 1 pt./acre   | 3  |
| Peas                        | aphids   | 1/3 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. Do not make more than one application per season.                           |
| Peppers                     | aphids, leaf miners, maggots                   | 1/2 to 2/3 pt./acre | Peppers may be harvested on day of application.  |
| Potatoes                    | aphids, grasshoppers, leaf miners, leafhoppers | 1/2 to 1 pt./acre   | Potatoes may be harvested on day of application.   |
| Tomatoes                    | aphids, leaf miners, leafhoppers               | 1/2 to 1 pt./acre   | 7  |

| Crop  | Pest Controlled  | Rate per acre   | Interval (Days) Between Last Application and Harvest  |
|---|--|---|---|
| <p>Where cabbage worms and cabbage loopers are a problem, the above rates of DIMATE 4E are compatible with endosulfan, malathion or parathion. Use in accordance with the manufacturer's directions for control of these insects.</p> |  |   |   |
| <p><b>FIELD CROPS:</b><br/>Alfalfa</p>  | <p>aphids, grasshoppers, leafhoppers, lygus bugs, reduction of alfalfa weevil larvae.</p>  | <p>1/2 to 1 pt./acre</p>  | <p>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.</p>                     |
| <p>Field Corn</p>   | <p>banks grass mites (excluding Trans-Pecos area of Texas), aphids, bean beetles, two-spotted spider mites, corn rootworm adult*</p> | <p>2/3 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.</p>                              | <p>14<br/>Apply as necessary. Make no more than three applications per year. Do not feed or graze within 14 days of last application.</p>   |
| <p>Field Corn (Cont'd)</p>  | <p>grasshoppers</p>  | <p>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.</p> | <p>*Note: Corn rootworm adult not registered for use in California.</p>   |
| <p>Cotton (grown in California and Arizona)</p>   | <p>lygus bugs, leafhoppers, black fleahoppers</p>  | <p>1/2 to 1 pt./acre</p>  | <p>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.</p> |
| <p>Cotton</p>   | <p>aphids, mites, thrips, fleahoppers</p>  | <p>1/4 to 1/2 pt./acre</p>  | <p>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.</p>   |
|   | <p>lygus bugs</p>  | <p>1/2 pt./acre</p>   |   |

| Crop  | Pest Controlled   | Rate per acre  | Interval (Days) Between Last Application and Harvest  |
|---|---|--|---|
| Safflower (grown in California and Arizona) | aphids, leaf-hoppers, 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. 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. Do not apply after heading. |
|   | banks grass mites (excluding Trans-Pecos area of Texas)         | 1 pt./acre<br>Ground Application: Apply above rates in 25 to 40 gals. of water per acre. 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, leafhopper | 1 pt./acre<br>Aerial Application: Apply recommended rate in a minimum of 2 gals of water per acre.   | 28<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. Aerial Application: Apply above rate in 1 or more gals. of water per acre.         |   |

| Crop  | Pest Controlled   | Rate per acre       | Interval (Days) Between Last Application and Harvest   |
|---|---|---------------------|--|
| Wheat   | aphids<br>(greenbugs)   | 1/2 to 3/4 pt./acre | Do not apply within 14 days of grazing immature plant. Do not harvest grain within 35 days of last application. Do not make more than 2 applications per season. |
|   | brown wheat mite  | 1/3 to 1/2 pt./acre |  |
|   | grasshoppers  | 3/4 pt./acre        |  |
| <b>SEED CROPS:</b><br>Alfalfa   | aphids,<br>leafhoppers,<br>lygus bugs,<br>grasshoppers,<br>reduction of<br>Alfalfa weevil<br>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, threshings, or stubble within 10 days of application.         |
| <b>Grasses grown for seed</b>   | winter grain mites, aphids, thrips, plant bugs  | 1/2 to 2/3 pt./acre | Do not graze or use seed or seed screenings for feed purposes. Do not apply within 14 days of harvest.   |
| <b>ATTENTION: DO NOT USE ON SEED ONIONS, SEED CARROTS, OR SEED BERMUDA GRASS.</b> |   |                     |  |

**ORNAMENTALS**

FOR USE ON ORNAMENTAL PLANTS GROWN IN NURSERIES ONLY

Do not use on ornamental plants growing in greenhouses, Christmas tree and conifer plantations, landscapes, interiorscapes and residential, public, recreational, commercial, industrial and institutional establishments.

DIMATE 4E is effective in controlling many sucking, piercing and chewing insects, including aphids, thrips, leafminers, scales, leafhoppers, and mites, that attack valuable ornamental plantings. For proper timing of treatments for the control of specific pests on ornamental plants, consult local horticultural authorities. Apply sprays uniformly and thoroughly to foliage, except as otherwise directed, when insects or their damage is first observed. Repeat applications as needed. Do not overdose or overspray. Use only on the ornamental plants listed below.

**IMPORTANT--**When making soil injections, use a low pressure soil injection device. Always wear a full face shield, rubber gloves, long-sleeved shirt and rubber apron. **DO NOT** inject into soil areas where children or pets may dig or exhume treated soil. Do not make soil injections within 20 feet of edible crop gardens.

*[Faint, illegible text or stamp in the bottom right corner]*

| Crop        | Pest Controlled  | Rate  | Interval (Days) Between Last Application and Harvest  |
|-------------|--|---|---|
| Hackberry   | Hackberry nipplegall psyllid, Hackberry budgall psyllid        | Soil injection: Use a 1:3 dilution (1 part DIMATE 4E to 3 parts water). | Apply using a low-pressure injector. Inject 1 fl. oz. of dilution, 6 inches below ground, for each 1/2 inch of trunk diameter. Make insertions within dripline of tree.<br>Apply prior to bud break. Do not apply to plants that have not been established for at least 3 years.                      |
| Honeysuckle | Honeysuckle aphid  | Soil injection: Use a 1:3 dilution                                      | Apply using a low-pressure injector. Inject 1 1/4 fl. oz. of dilution, 6 inches beneath ground surface, for each 1/2 inch of trunk diameter. Do not apply to plants that have not been established for at least 3 years.  |
| Pinyon pine | Pinyon needle scale  | 25 1/2 ozs. in 10 gals. water   | Apply spray to egg masses at the base of the trees and to all rough bark and crotches that can be reached from the ground. Make this bark application when crawlers start to emerge from the eggs. Use hydraulic or backpack sprayer. Do not spray leaves or needles since phytotoxicity may result.  |
|             | Pinyon "pitch mass" borer, Pinyon spindle gall midge, Tip moth | Soil injection: Use a 1:3 dilution                                      | Apply using a low-pressure injector. Inject 1 1/2 fl. oz. of dilution, 6 inches below ground surface, for each 1 inch of trunk diameter. Make insertions within dripline of tree. For Spindle gall midge and Tip moth apply in mid to late spring. For Pinyon borer make application in early summer. |
| Douglas Fir | Fir cone midge   | 6 1/2 ozs. in 10 gals. water  | Make thorough coverage application when cones are closed and pendant. Use hydraulic or backpack sprayer.  |
| Pines       | Loblolly pine sawfly, Nantucket pine tip moth                  | 6 ozs. in 10 gals. water  | Apply when most larvae are in the second and third instars.   |
|             | Zimmerman pine moth  | 3 1/2 ozs. in 10 gals. water  | Spray in Mid-April and/or in early September for larvae control.  |
| Arborvitae  | Aphids, Bagworm, Mites   | 3 1/2 ozs. in 10 gals. water  |   |



| Crop   | Pest Controlled  | Rate per acre  | Interval (Days) Between Last Application and Harvest  |
|--|--|--|---|
| Azaleas  | Lace bug,<br>Leafminers,<br>Mites,<br>Tea scale,<br>Whiteflies | 1 3/4 ozs. in 10 gals.<br>water  |   |
| Birch  | Aphids,<br>Leafminers  | 1 3/4 ozs. in 10 gals.<br>water  | For leafminers, apply when leaves are expanded, about mid-May, and repeat in early July.  |
| Boxwood  | Leafminers,<br>Mealy bug,<br>Mites                             | 1 3/4 ozs. in 10 gals.<br>water  | For leafminers, apply in spring when leafminer flies first appear, or in early summer for control of larvae in the infested leaves.   |
| Carnations                                     | Aphids,<br>Thrips, Mites                                       | Soil drench: 2 ozs. per 500 sq. ft. of bed or bench  | Apply in sufficient water for even distribution. Water in thoroughly following application.   |
| Camellias                                      | Aphids,<br>Camellia scale,<br>Mites, Tea scale                 | Foliar Spray: 1 3/4 ozs. in 10 gals. water.<br>Soil drench: 2 ozs. in 1 gal. water. For plants up to 6" tall. Increase rate proportionately for larger plants. | Foliar spray: Apply 2 sprays, 6 weeks apart the first year, followed by annual applications soon after first growth begins in the spring.<br>Soil drench: Apply as a soil drench around the base of plants in early spring. |
| Cedar  | Mites  | 3 1/2 ozs. in 10 gals.<br>water  |   |
| Cypress  | Bactra moth larvae   | 1 3/4 ozs. in 10 gals.<br>water  | Apply as a drenching spray.   |
| Daylillies                                     | Aphids,<br>Thrips  | 3 1/2 ozs. in 10 gals.<br>water  |   |
| Euonymus                                       | Aphids, Scale  | 3 1/2 ozs. in 10 gals.<br>water  |   |
| Ficus Nitida                                   | Thrips   | 1 3/4 ozs. in 10 gals.<br>water  |   |
| Gardenias                                      | Tea scale,<br>Whitefly   | 1 3/4 ozs. in 10 gals.<br>water  |   |
| Gerberas                                       | Thrips   | 1 3/4 ozs. in 10 gals.<br>water  |   |
| Gladiolus                                      | Aphids,<br>Thrips  | 1 3/4 ozs. in 10 gals.<br>water  |   |
| Hemlock  | Mites, Scale   | 1 3/4 ozs. in 10 gals.<br>water  |   |
| Holly (English & American) not Burford variety | Leafminers,<br>Mites, Soft scale                               | 1 3/4 ozs. in 10 gals.<br>water  | For leafminers, apply in spring when leafminer flies first appear, or in early summer, for control of larvae in infested leaves.  |
| Iris   | Aphids, Iris borer, Thrips                                     | 3 1/2 ozs. in 10 gals.<br>water  | For borer control, spray when new leaves are 5 to 6 inches tall.  |

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| Crop                              | Pest Controlled                            | Rate per acre                   | Interval (Days) Between Last Application and Harvest |
|-----------------------------------|--|---------------------------------|--|
| Juniper                           | Aphids,<br>Bagworms,<br>Midges, Mites      | 3 1/2 ozs. in 10 gals.<br>water |  |
| Oak                               | Golden oak<br>scale                        | 3 1/2 ozs. in 10 gals.<br>water |  |
| Poinsettia                        | Mites,<br>Whitefly,<br>Mealybug,<br>Aphids | 1 3/4 ozs. in 10 gals.<br>water |  |
| Roses                             | Aphids,<br>Leafhoppers,<br>Mites, Thrips   | 1 3/4 ozs. in 10 gals.<br>water |  |
| Taxus (upright or spreading yews) | Fletcher<br>scale,<br>Mealybug,<br>Mites   | 3 1/2 ozs. in 10 gals.<br>water |  |

### STORAGE AND DISPOSAL

**DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL.**

#### STORAGE

Store in a dry location away from children, animals, foods, feeds, and other agricultural chemicals. Keep container closed when not using. Do not allow water into container as this may cause deterioration of product. Handle in accordance with information given under PRECAUTIONARY STATEMENTS. Do not store under conditions where temperatures may exceed 120°F or be below 45°F. Keep storage area locked when not in use. In the event of spillage or leakage, soak up material with absorbent clay, sand, sawdust, or other absorbent material. Scrape up and dispose of in accordance with information given under PESTICIDE DISPOSAL. Repackage and relabel useable product in a sound container. In case of fire or other emergency, report at once by toll-free telephone to 800-424-9300.

#### DISPOSAL

**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:** Use label language appropriate for container size and type.

**Nonrefillable containers.** Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying.

**Nonrefillable container equal to or less than 5 gallons.** Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

**Nonrefillable container greater than 5 gallons.** Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

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**Refillable container.** Refill this container with this pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

**FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure or accident, call  
CHEMTREC 1-800-424-9300.**

#### WARRANTY DISCLAIMER

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