

66330-244

05-04-2011

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



OFFICE OF  
CHEMICAL SAFETY AND  
POLLUTION PREVENTION

W. A. Hawkins  
Arysta LifeScience North America, LLC  
15401 Western Parkway, Suite 150  
Cary, NC 27513

MAY 04 2011

Dear Dr. Hawkins:

Subject: Response to the Dimethoate Reregistration Eligibility Decision  
EPA Reg. No. 66330-244  
Submission dated December 31, 2008

The proposed labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), is acceptable under FIFRA § 3(c)(5) provided that you submit two copies of your final printed label before you release the product for shipment. Products shipped after 12 months from the date of this amendment or the next printing of the label whichever occurs first, must bear the new revised label. Your release for shipment of the product bearing the amended label constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e).

The basic Confidential Statement of Formula (CSF) dated 11/05/10 is acceptable. All other CSF's including Alternates have been superseded by this new basic. This has been added to your record.

Your product has met and complied with the risk mitigation provisions of the Dimethoate RED and therefore your product is reregistered pursuant to FIFRA § 4(g)(2)(C). But note, EPA is currently reassessing the cumulative impacts of organophosphates and that review may impact your product once complete.

A stamped copy of the labeling is enclosed for your records. If you have any questions, please contact Jennifer Urbanski at 703-347-0156 or [urbanski.jennifer@epa.gov](mailto:urbanski.jennifer@epa.gov).

Regards,

A handwritten signature in black ink that reads "Venus Eagle".

Venus Eagle, PM 01  
Insecticide-Rodenticide Branch  
Registration Division (7505P)

Enclosure

ACCEPTED

MAY 04 2011

Under the Federal Insecticide, Fungicide,  
and Rodenticide Act, as amended, for the  
pesticide registered under:

GROUP 1B INSECTICIDE

EPA. Reg. No:

66330-244

DIMETHOATE 2.67 EC  
ORGANOPHOSPHATE

**ACTIVE INGREDIENT:**

Dimethoate (0,0-Dimethyl-S-[N-(methylcarbamoyl) methyl]phosphorothioate)..... 30.5%

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

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

\*Contains xylene range aromatic solvent  
Contains 2.67 lbs. 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.)

**FIRST AID**

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 swallowed	<ul style="list-style-type: none"> <li>• Immediately call a poison control center or doctor.</li> <li>• Do not give any liquid to the person.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</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>
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 by mouth to mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>

**HOTLINE NUMBER  
ORGANOPHOSPHATE**

Have the product container or label with you when calling a poison control center or doctor or going in for treatment.

**EMERGENCY NUMBERS:**

**FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE CALL: 1-866-303-6952**

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

**NOTE TO PHYSICIAN:** This product contains an organophosphate that inhibits cholinesterase. Antidote is atropine. Contains petroleum distillate. Vomiting may cause aspiration pneumonia. Causes substantial but temporary eye injury.

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NET CONTENTS: \_\_\_\_\_

EPA Reg. No. 66330-244

EPA Est.No.

Manufactured for:  
**ARYSTA LIFESCIENCE NORTH AMERICA, LLC**  
15401 Weston Parkway, Suite 150  
Cary, NC 27513

**PRECAUTIONARY STATEMENTS**  
**Hazards To Humans And Domestic Animals**

**WARNING**

Causes substantial but temporary eye injury. Harmful if swallowed. Do not get in eyes or on clothing.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Some materials that are chemical-resistant to this product are barrier laminate, butyl rubber, nitrile rubber, or Viton. If you want more options, follow the instructions for category G on an EPA chemical resistance category selection chart.

**Mixers, loaders, applicators, flaggers, and other handlers must wear:**

- Long-sleeved shirt and long pants
- Shoes plus socks
- Chemical-resistant gloves
- Goggles or face shield
- A NIOSH-approved dust mist filtering respirator with MSHA/NIOSH approval number prefix TC-21C or a NIOSH-approved respirator with any N,R,P, or HE filter, and
- Chemical-resistant apron when mixing, loading, cleaning up spills, or equipment.

See Engineering Controls for additional requirements and exceptions.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

**Engineering Controls:**

Mixers and loaders supporting aerial application to alfalfa, cotton, soybeans, corn, safflower, sorghum, and wheat must use a closed system that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4)]. The system must be capable of removing the pesticide from the shipping container and transferring it into mixing tanks and/or application equipment. At any disconnect point, the system must be equipped with a dry disconnect or dry couple shut-off device that is warranted by the manufacturer to minimize drippage to no more than

2 ml per disconnect. In addition, mixers and loaders must:

- Wear the Personal Protective Equipment required on this labeling for mixers/loaders, except no respirator is required;
- Wear protective eyewear, if the system operates under pressure; and
- Be provided and have immediately available for use in an emergency, such as a broken package, spill, or equipment breakdown, chemical-resistant footwear and a respirator of the type specified in the PPE section of this labeling.

Pilots must use an enclosed cockpit that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(6)]. Pilots need not wear the PPE required in this labeling for applicators, but must wear at least a long-sleeved shirt, long pants, shoes, and socks.

When handlers use closed systems, or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240(d) (4-5), 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/PPE 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**

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by disposing of equipment washwater or rinsate.

Dimethoate is known to leach through soil into ground water under certain conditions as a result of label use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground-water contamination.

This product may contaminate water through drift of spray in wind. This product has a high potential for runoff for several days after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product.

A level, well maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential for contamination of water from rainfall-runoff. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours.

A vegetative filter strip constructed and maintained in accordance with the 2000 Natural Resources Conservation Service publication "Conservation Buffers to Reduce Pesticide Losses" (<http://www.nrcs.usda.gov/feature/buffers/>) will significantly reduce the potential for contamination of water from rainfall-runoff.

This pesticide is toxic to wildlife and aquatic invertebrates.

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This pesticide is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area. Protective information may be obtained from your Agricultural Extension Service.

**PHYSICAL OR CHEMICAL HAZARDS**

**Combustible.** Do not use, pour, spill, or store near heat or open flame. Do not store this product near other chemicals that are strong oxidizers.

**DIRECTIONS FOR USE**

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Read all directions for use carefully before applying.

For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

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.

**RESISTANCE MANAGEMENT**

DIMETHOATE 2.67 EC contains a Group 1B insecticide. Insect/mite biotypes with acquired resistance to Group 1B may eventually dominate the insect/mite population if Group 1B insecticides/acaricides are used repeatedly in the same field or in successive years as the primary method of control for targeted species. This may result in partial or total loss of control of those species by DIMETHOATE 2.67 EC or other Group 1B.

To delay insecticide (or acaricide) resistance consider:

- Avoiding the consecutive use of DIMETHOATE 2.67 EC or other Group 1B insecticides/acaricides that have a similar target site of action, on the same insect/mite species. Using tank-mixtures or premixes with insecticides/acaricides from a different target site of action Group as long as the involved products are all registered for the same use and have different sites of action.
- Basing insecticide/acaricide use on a comprehensive IPM program.
- Monitoring treated insect/mite populations for loss of field efficacy.

Contacting your local extension specialist, certified crop advisors, and/or manufacturer for insecticide/acaricide resistance management and/or IPM recommendations for the specific site and resistant pest problems.

**This product is for use in commercial setting only. Use in residential settings is prohibited.**

**Requirements for Reducing Spray Drift**

Do not apply under circumstances where possible drift to unprotected persons or to food, forage, or other plantings that might be damaged or crops thereof rendered unfit for sale, use, or consumption can occur.

1. Use the largest droplet size consistent with acceptable efficacy. Formation of very small droplets may be minimized by appropriate nozzle selection, by orienting nozzles away from the air stream as much as possible, and by avoiding excessive spray boom pressure. For

groundboom and aerial applications, use medium or coarser spray nozzles according to ASAE 572 definition for standard nozzles or a volume mean diameter (VMD) of 300 microns or greater for spinning atomizer nozzles.

2. Make a aerial or ground applications when the wind velocity favors on-target product deposition. Apply only when the wind speed is less than or equal to 10 mph. For all non-aerial applications, wind speed must be measured adjacent to the application site on the upwind side, immediately prior to application.
3. Do not make aerial or ground applications into areas of temperature inversions. Inversions are characterized by stable air and increasing temperatures with increasing distance above the ground. Mist or fog may indicate the presence of an inversion in humid areas. Where permissible by local regulations, the applicator may detect the presence of an inversion by producing smoke and observing a smoke layer near the ground surface.
4. Low humidity and high temperatures increase the evaporation rate of spray droplets and therefore the likelihood of increased spray drift. Avoid spraying during conditions of low humidity and/or high temperatures.
5. All aerial and ground application equipment must be properly maintained and calibrated using appropriate carriers.
6. For groundboom applications, apply with nozzle height no more than 4 feet above the ground or crop canopy.
7. For airblast applications, turn off outward pointing nozzles at row ends and when spraying the outer two rows. To minimize spray loss over the top in orchard applications, spray must be directed into the canopy.
8. For aerial applications, release spray at the lowest height consistent with efficacy and flight safety. If the application includes an aquatic buffer zone, do not release spray at height greater than 10 feet above the ground or crop canopy.
9. For aerial applications, mount the spray boom on the aircraft so as to minimize drift caused by wing tip vortices. The minimum practical boom length should be used and must not exceed 75% of the wingspan or 90% of rotor blade diameter. Use upwind swath displacement.

**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). The REI for a specific crop is listed in the directions for use associated with that crop.

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:

1. Coveralls worn over long-sleeved shirt and long pants
2. Chemical-resistant gloves made of any waterproof material
3. Chemical-resistant footwear plus socks
4. Chemical-resistant headgear (if overhead exposure)

Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas.

**CHEMIGATION PROHIBITION**

Do not apply this product through any type of irrigation system.

**DIRECTIONS FOR APPLICATIONS**

DIMETHOATE 2.67 EC is a clear liquid. When added to water, it will disperse readily and will remain physically stable with a MINIMUM AMOUNT OF AGITATION.

**APPLICATION EQUIPMENT:** DIMETHOATE 2.67 EC can be applied by any pressure sprayer that will give uniform distribution of the spray such as ground sprayers, aerial sprayers or portable sprayers.

**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. Apply at least one gallon of finished spray per acre. Apply at least 5 gallons finished spray per acre in California. Maximum application rates are listed in the crop specific directions for use.

**GROUND APPLICATION:** Apply in sufficient water for good coverage unless otherwise stated. Avoid drift to adjacent crops. Maximum application rates are listed in the crop specific directions for use.

**High Pressure Handwand Equipment:** When applications are made by high pressure handwand equipment, the maximum application rate for all crops and use-patterns is 0.0025 pounds active ingredient per gallon.

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**FRUIT**

<b>PEAR</b>	
<b>PEST</b>	<b>APPLICATION RATE</b>
Aphids, Leafhoppers, Mites (except rust mites)	Apply 3/4 to 1 1/2 pints per 100 gallons water
<b>RESTRICTIONS</b> <ul style="list-style-type: none"> <li>Do not apply when trees or substantial number of weeds in orchard are in bloom.</li> <li>Do not graze livestock in treated orchards.</li> <li>Maximum application rate: 1 lb ai/A (3 1/8 pt (50 oz) of formulation).</li> <li>Maximum total application rate per year: 1 lb ai/A.</li> <li>The REI is 10 days; however, the REI is increased to 14 days in outdoor areas where the average annual rainfall is less than 25 inches per year.</li> </ul>	
<b>Pre-Harvest Interval 28 days</b>	

<b>CITRUS (GRAPEFRUIT, LEMON, ORANGE, TANGERINE)</b>	
<b>PEST</b>	<b>APPLICATION RATE</b>
Aphids	Ground - Apply 3/4 to 1 1/2 pints per 100 gallons water. Apply as an outside coverage spray.
<b>RESTRICTIONS</b> <ul style="list-style-type: none"> <li>Do not apply to citrus in Florida.</li> <li>Aerial application to citrus is prohibited.</li> <li>Maximum application rate: 1lb ai/A (3 1/8 pt (50 oz) of formulation).</li> <li>Maximum total rate per year: 1 lb ai/A.</li> <li>The REI is 10 days; however, the REI is increased to 14 days in outdoor areas where the average annual rainfall is less than 25 inches per year.</li> </ul>	
<b>Pre-Harvest Interval 15 days</b>	
Mites (except rust mites)	Ground - Apply 3/4 to 1 1/2 pints per 100 gallons water. Apply as a thorough distribution coverage spray.
<b>RESTRICTIONS</b> <ul style="list-style-type: none"> <li>Maximum application rate: 1lb ai/A (3 1/8 pints (50 oz) of formulation).</li> <li>Maximum total rate per year: 1 lb ai/A.</li> <li>The REI is 10 days; however, the REI is increased to 14 days in outdoor areas where the average annual rainfall is less than 25 inches per year.</li> </ul>	
Scales: (except black or snow)	Ground - Apply 1 1/2 to 2 pints per 100 gallons water. Apply as a thorough coverage spray.
<b>RESTRICTIONS</b> <ul style="list-style-type: none"> <li>Maximum application rate: 1lb ai/A (3 1/8 pints (50 oz) of formulation).</li> <li>Maximum total rate per year: 1 lb ai/A.</li> <li>The REI is 10 days; however, the REI is increased to 14 days in outdoor areas where the average annual rainfall is less than 25 inches per year.</li> </ul>	
Thrips	Ground - Apply 3/4 to 1 1/2 pints per 100 gallons



	water. Mist Spray: Ground - Apply 1 1/2 pints per 100 gallons water. Apply as a thorough distribution coverage spray.
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<p><b>RESTRICTIONS</b></p> <ul style="list-style-type: none"> <li>• Do not graze livestock in treated orchards.</li> <li>• Do not apply when trees or substantial number of weeds in the grove are in bloom.</li> <li>• Do not use on citrus seedlings.</li> <li>• Make no more than 2 applications to mature fruit.</li> <li>• Maximum application rate: 1lb ai/A (3 1/8 pt (50 oz) of formulation).</li> <li>• Maximum total rate per year: 1 lb ai/A.</li> <li>• The REI is 10 days; however, the REI is increased to 14 days in outdoor areas where the average annual rainfall is less than 25 inches per year.</li> </ul>
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<b>CITRUS (NON-BEARING) AND NURSERY STOCK (CALIFORNIA AND ARIZONA)</b>	
<b>PEST</b>	<b>APPLICATION RATE</b>
Thrips, Aphids	Foliar spray - 1 1/2 pints per 100 gallons water
<p><b>RESTRICTIONS</b></p> <ul style="list-style-type: none"> <li>• Aerial application to citrus is prohibited.</li> <li>• Do not apply to trees that will bear fruit within one year. Use Dimethoate 2.67EC only on nursery stock and nonbearing trees.</li> <li>• 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 applications.</li> <li>• Maximum application rate: 1lb ai/A (3 1/8 pt (50 oz) of formulation)</li> <li>• Maximum total rate per year: 1 lb ai/A.</li> <li>• The REI is 10 days; however, the REI is increased to 14 days in outdoor areas where the average annual rainfall is less than 25 inches per year.</li> </ul> <p><b>SOIL DRENCH –</b> (Trees 1 to 3 years old) 3 1/8 pints per acre applied in the furrow or basin around the base of the tree. Apply when insect injury to new growth appears.</p>	

**NUTS**

<b>PECANS</b>	
<b>PEST</b>	<b>APPLICATION RATE</b>
Aphids, Mites, Leafhoppers	Ground only - Apply 1 pt/A.
<p><b>RESTRICTIONS</b></p> <ul style="list-style-type: none"> <li>• Do not graze livestock in treated groves.</li> <li>• Maximum application rate: 0.33lb ai/A (1 pt of formulation)</li> <li>• Maximum total rate per year: 0.33 lb ai/A</li> <li>• The REI is 48 hours.</li> </ul> <p><b>Pre-Harvest Interval 21 days</b></p>	

**VEGETABLE CROPS**

<b>BEANS including fresh, snap, lima, and dry beans and excluding cowpeas</b>	
<b>PEST</b>	<b>APPLICATION RATE</b>
Aphids, Leafhoppers, Leaf Miners, Mites, Lygus Bugs, Bean Leaf Beetle, Mexican Bean Beetle Grasshoppers	Apply 3/4 to 1 1/2 pt/A.
<b>RESTRICTIONS</b> <ul style="list-style-type: none"> <li>• Do not feed treated vines.</li> <li>• Do not apply if the crop or weeds in the treatment area are in bloom.</li> <li>• Maximum single application rate: 0.5 lb ai/A (1 1/2 pt of formulation); 14 day reapplication interval.</li> <li>• Maximum total rate per season: 1 lb ai/A</li> <li>• The REI is 48 hours.</li> </ul>	
<b>Pre-Harvest Interval 2 days</b>	

<b>BROCCOLI, CAULIFLOWER</b>	
<b>PEST</b>	<b>APPLICATION RATE</b>
Aphids	Apply 3/4 to 1 1/2 pt/A.
<b>RESTRICTIONS</b> <ul style="list-style-type: none"> <li>• Maximum application rate: 0.5 lb ai/A (1 1/2 pt of formulation); 7 day reapplication interval.</li> <li>• Maximum total rate per year: 1.5 lb ai/A.</li> <li>• The REI is 48 hours; however, the REI is increased to 72 hours in outdoor areas where the average annual rainfall is less than 25 inches per year.</li> </ul>	
<b>Pre-Harvest Interval 7 days</b>	

<b>KALE</b>	
<b>PEST</b>	<b>APPLICATION RATE</b>
Leafhoppers, Leaf Miners	Apply 3/4 to 1 1/2 pt/A.
<b>RESTRICTIONS</b> <ul style="list-style-type: none"> <li>• Maximum application rate: 0.25 lb ai/A (12 oz of formulation); 15 day reapplication interval.</li> <li>• Maximum total rate per year: 0.5 lb ai/A.</li> <li>• The REI is 48 hours.</li> </ul>	
<b>Pre-Harvest Interval 14 days</b>	

<b>MUSTARD GREENS</b>	
<b>PEST</b>	<b>APPLICATION RATE</b>
Leafhoppers, Leaf Miners	Apply 3/4 pt/A.
<b>RESTRICTIONS</b> <ul style="list-style-type: none"> <li>• Maximum application rate: 0.25 lb ai/A (12 oz of formulation); 9 day reapplication interval.</li> <li>• Maximum total rate per year: 0.5 lb ai/A.</li> </ul>	

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- The REI is 48 hours.

**Pre-Harvest Interval 14 days.**

<b>TURNIP (GREENS AND ROOTS)</b>	
<b>PEST</b>	<b>APPLICATION RATE</b>
Leafhoppers, Leaf Miners	Apply 3/4 pt/A.
<b>RESTRICTIONS</b>	
<ul style="list-style-type: none"> <li>• Maximum application rate: 0.25 lb ai/A (12 oz of formulation); 3 day reapplication interval.</li> <li>• Maximum total rate per year: 1.75 lb ai/A.</li> <li>• The REI is 48 hours.</li> </ul>	
<b>Pre-Harvest Interval 14 days</b>	

<b>LEAF LETTUCE, SWISS CHARD, ENDIVE (ESCAROLE)</b>	
<b>PEST</b>	<b>APPLICATION RATE</b>
Aphids, Leafhoppers, Leaf Miners	Apply 3/4 pt/A.
<b>RESTRICTIONS</b>	
<ul style="list-style-type: none"> <li>• Maximum application rate: 0.25 lb ai/A (12 oz of formulation); 7 day reapplication interval.</li> <li>• Maximum total rate per year: 0.75 lb ai/A.</li> <li>• The REI is 48 hours.</li> </ul>	
<b>Pre-Harvest Interval 14 days</b>	

<b>MELON (EXCEPT WATERMELON)</b>	
<b>PEST</b>	<b>APPLICATION RATE</b>
Aphids, Leafhoppers, Leaf Miners, Thrips	Apply 1 1/2 pt/A.
<b>RESTRICTIONS</b>	
<ul style="list-style-type: none"> <li>• Maximum application rate: 0.5 lb ai/A (1 1/2 pt of formulation); 7 day reapplication interval.</li> <li>• Maximum total rate per year: 1 lb ai/A.</li> <li>• The REI is 48 hours.</li> </ul>	
<b>Pre-Harvest Interval 3 days</b>	

<b>WATERMELON</b>	
<b>PEST</b>	<b>APPLICATION RATE</b>
Aphids, Leafhoppers, Leaf Miners	Apply 3/4 to 1 1/2 pt/A.
<b>RESTRICTIONS</b>	
<ul style="list-style-type: none"> <li>• Maximum application rate: 0.5 lb ai/A (1 1/2 pt of formulation); 7 day reapplication interval.</li> <li>• Maximum total rate per year: 1 lb ai/A.</li> <li>• The REI is 48 hours.</li> </ul>	
<b>Pre-Harvest Interval 3 days</b>	

<b>LENTILS</b>	
<b>PEST</b>	<b>APPLICATION RATE</b>
Aphids	Apply 1/2 pt/A.
<b>RESTRICTIONS</b>	
<ul style="list-style-type: none"> <li>Do not feed or graze hay within 21 days after last application when stationary viner is used.</li> <li>Do not feed or graze when a mobile viner is used.</li> <li>Do not apply if the crop or weeds in treatment area are in bloom.</li> <li>Maximum application rate: 0.5 lb ai/A (1 1/2 pt of formulation); 7 day reapplication interval.</li> <li>Maximum total rate per year: 1 lb ai/A.</li> <li>The REI is 48 hours.</li> </ul>	
<b>Pre-Harvest Interval 2 days</b>	

<b>PEAS (Not for use on field peas)</b>	
<b>PEST</b>	<b>APPLICATION RATE</b>
Aphids	Apply 1/2 pt/A.
<b>RESTRICTIONS</b>	
<ul style="list-style-type: none"> <li>Do not feed or graze hay within 21 days after last application when stationary viner is used.</li> <li>Do not feed or graze when a mobile viner is used.</li> <li>Do not apply if the crop or weeds in treatment area are in bloom.</li> <li><b>NOT FOR USE ON FIELD PEAS.</b></li> <li>Maximum application rate: 0.16 lb ai/A (1/2 pt (8 oz) of formulation); 7 day reapplication interval.</li> <li>Maximum total rate per year: 0.16 lb ai/A.</li> <li>The REI is 48 hours.</li> </ul>	
<b>Pre-Harvest Interval 2 days</b>	
<b>Note:</b> There are SLN registrations for succulent peas for which the total seasonal rate is not to exceed 0.5 lb ai/A.	

<b>PEPPERS</b>	
<b>PEST</b>	<b>APPLICATION RATE</b>
Aphids, Leaf Miners, Maggots	Apply 3/4 to 1 pt/A.
<b>RESTRICTIONS</b>	
<ul style="list-style-type: none"> <li>Maximum application rate: 0.33 lb ai/A (1 pt of formulation); 7 day reapplication interval.</li> <li>Maximum total rate per year: 1.65 lb ai/A.</li> <li>The REI is 48 hours.</li> </ul>	
<b>Pre-Harvest Interval 2 days</b>	

<b>POTATOES</b>	
<b>PEST</b>	<b>APPLICATION RATE</b>
Aphids, Leaf Miners, Leafhoppers	Apply 3/4 to 1 1/2 pt/A.
<b>RESTRICTIONS</b>	
<ul style="list-style-type: none"> <li>• Maximum application rate: 0.5 lb ai/A (1 1/2 pt of formulation); 7 day reapplication interval.</li> <li>• Maximum total rate per year: 1 lb ai/A.</li> <li>• The REI is 48 hours.</li> </ul>	
<b>Pre-Harvest Interval 2 days</b>	

<b>TOMATOES</b>	
<b>PEST</b>	<b>APPLICATION RATE</b>
Aphids, Leaf Miners, Leafhoppers, Grasshoppers	Apply 3/4 to 1 1/2 pt/A.
<b>RESTRICTIONS</b>	
<ul style="list-style-type: none"> <li>• Maximum application rate: 0.5 lb ai/A (1 1/2 pt of formulation); 6 day reapplication interval.</li> <li>• Maximum total rate per year: 1.0 lb ai/A.</li> <li>• The REI is 48 hours.</li> </ul>	
<b>Pre-Harvest Interval 7 days</b>	
<b>PRECAUTIONS</b>	
Where cabbage worms and cabbage loopers are a problem, the above rates of Dimethoate are compatible with Endosulfan or Malathion. Use in accordance with the manufacturer's directions for control of these insects.	

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## FIELD CROPS

<b>ALFALFA</b>	
<b>PEST</b>	<b>APPLICATION RATE</b>
Aphids, Leafhoppers, Lygus Bugs, Grasshoppers, reduction of Alfalfa Weevil larvae	Apply 3/4 to 1 1/2 pt/A.
<b>RESTRICTIONS</b> <ul style="list-style-type: none"> <li>• Do not apply if crop or weeds in the treatment areas are in bloom.</li> <li>• Do not apply within 10 days of harvest or pasturing.</li> <li>• Make only one application per cutting. Effective only on cutting to which applied.</li> <li>• Maximum application rate: 0.5 lb ai/A (1 1/2 pt of formulation); 6 day reapplication interval.</li> <li>• Maximum total rate per crop cycle or cutting: 0.5 lb ai/A.</li> <li>• The REI is 48 hours.</li> </ul>	
<b>Pre-Harvest Interval 10 days</b>	

<b>COTTON (GROWN IN CALIFORNIA AND ARIZONA)</b>	
<b>PEST</b>	<b>APPLICATION RATE</b>
Lygus Bugs, Leafhoppers, Black Fleahoppers	Apply 3/4 to 1 1/2 pt/A.
<b>RESTRICTIONS</b> <ul style="list-style-type: none"> <li>• Make only 2 applications per season at the higher rate.</li> <li>• Do not feed treated forage or graze livestock on treated fields.</li> <li>• Maximum single application rate: 0.5 lb ai/A (1 1/2 pt of formulation); 14 day reapplication interval.</li> <li>• Maximum total rate per season: 1 lb ai/A.</li> <li>• The REI is 48 hours.</li> </ul>	
<b>Pre-Harvest Interval 14 days</b>	

<b>COTTON (except California and Arizona)</b>	
<b>PEST</b>	<b>APPLICATION RATE</b>
Aphids, Mites, Thrips, Fleahoppers	Apply 1/3 to 2/3 pt/A.
<b>RESTRICTIONS</b> <ul style="list-style-type: none"> <li>• Do not feed treated forage or graze livestock on treated fields.</li> <li>• Maximum single application rate: 0.5 lb ai/A (1 1/2 pt of formulation); 14 day reapplication interval.</li> <li>• Maximum total rate per season: 1 lb ai/A.</li> <li>• The REI is 48 hours.</li> </ul>	
<b>Pre-Harvest Interval 14 days</b>	

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<b>COTTON (Oklahoma, Texas)</b>	
<b>PEST</b>	<b>APPLICATION RATE</b>
Fleahoppers	Apply 1/3 to 2/3 pt/A.
<b>RESTRICTIONS</b> <ul style="list-style-type: none"> <li>Do not feed treated forage or graze livestock on treated fields.</li> <li>Maximum single application rate: 0.5 lb ai/A (1 ½ pt of formulation); 14 day reapplication interval.</li> <li>Maximum total rate per season: 1 lb ai/A.</li> <li>The REI is 48 hours.</li> </ul>	
<b>Pre-Harvest Interval 14 days</b>	

<b>FIELD CORN</b>	
<b>PEST</b>	<b>APPLICATION RATE</b>
Banks Grass Mites, Aphids, Bean Beetle, Corn Rootworm Adult (excluding Trans Pecos area of Texas)	Apply 2/3 to 1 pt/A.
Grasshoppers	1 pt/A
<b>RESTRICTIONS</b> <ul style="list-style-type: none"> <li>Workers are prohibited from entering the treated area to perform detasseling tasks for 4 days in non-arid areas and for 15 days in outdoor areas where the average annual rainfall is less than 25 inches per year.</li> <li>Do not feed or graze within 14 days of last application.</li> <li>Do not apply to corn during the pollen-shed period.</li> <li>Maximum application rate: 0.5 lb ai/A (1 ½ pt of formulation).</li> <li>Maximum total rate per year: 0.5 lb ai/A.</li> <li>The REI is 48 hours.</li> </ul>	
<b>Pre-Harvest Interval 14 days grain, 28 days forage</b>	

<b>SAFFLOWER (CALIFORNIA AND ARIZONA)</b>	
<b>PEST</b>	<b>APPLICATION RATE</b>
Aphids, Leafhoppers, Lygus Bugs, Thrips	Apply 3/4 to 1 ½ pt/A.
<b>RESTRICTIONS</b> <ul style="list-style-type: none"> <li>Make only 2 aerial applications or 2 ground applications as needed per season.</li> <li>The REI is 48 hours.</li> <li>Maximum single application rate: 0.5 lb ai/A (1 ½ pt of formulation).</li> <li>Maximum total rate per crop cycle or cutting: 0.5 lb ai/A.</li> </ul>	
<b>Pre-Harvest Interval 14 days</b>	

<b>SORGHUM (MILO)</b>	
<b>PEST</b>	<b>APPLICATION RATE</b>
Aphids, Banks Grass Mites (except Trans Pecos area of Texas), Spider Mites	Apply 3/4 to 1 1/2 pt/A.
Grasshoppers	1 pt/A
<b>RESTRICTIONS</b> <ul style="list-style-type: none"> <li>Do not apply after heading.</li> <li>Maximum application rate: 0.5 lb ai/A (1 1/2 pt of formulation); 7 day reapplication interval.</li> <li>Maximum total application rate per year: 1 lb ai/A.</li> <li>The REI is 48 hours.</li> </ul>	
<b>Pre-Harvest Interval 28 days</b>	

<b>SOYBEANS</b>	
<b>PEST</b>	<b>APPLICATION RATE</b>
Mexican Bean Beetle, Spider Mites, Bean Leaf Beetle, Leafhoppers, Three-cornered Alfalfa Hopper	Apply 1 1/2 pt/A.
<b>RESTRICTIONS</b> <ul style="list-style-type: none"> <li>Do not feed or graze within 5 days of last application.</li> <li>Maximum application rate: 0.5 lb ai/A (1 1/2 pint of formulation); 7 day reapplication interval.</li> <li>Maximum total application rate per year: 1 lb ai/A.</li> <li>The REI is 48 hours.</li> </ul>	
<b>Pre-Harvest Interval 21 days</b>	

<b>WHEAT</b>	
<b>PEST</b>	<b>APPLICATION RATE</b>
Aphids ( Greenbugs)	Apply 3/4 to 1 pt/A.
Brown Wheat Mite	Apply 1/3 to 2/3 pt/A.
Grasshoppers	Apply 1 pt/A.
<b>RESTRICTIONS</b> <ul style="list-style-type: none"> <li>Do not apply within 14 days of grazing immature plant.</li> <li>Do not harvest grain within 35 days of last application.</li> <li>Do not make more than 2 applications per season.</li> <li>Maximum single application rate: 0.5 lb ai/A (1 1/2 pint of formulation).</li> <li>Maximum total application rate per crop cycle or cutting: 0.5 lb ai/A.</li> <li>The REI is 48 hours.</li> </ul>	
<b>Pre-Harvest Interval 45 days</b>	



**SEED CROPS**

Do not use on seed onions, seed carrots, or seed Bermuda grass.

<b>ALFALFA</b>	
<b>PEST</b>	<b>APPLICATION RATE</b>
Aphids, Leafhoppers, Lygus Bugs, Grasshoppers, reduction of Alfalfa Weevil larvae	Apply 3/4 to 1 1/4 pt/A.
<b>RESTRICTIONS</b> <ul style="list-style-type: none"><li>• Do not apply if the crop or weeds in the treatment areas are in bloom.</li><li>• Do not feed or graze livestock on treated crop, hay threshings or stubble within 10 days of application. Maximum single application rate: 0.5 lb ai/A (1 1/2 pt of formulation).</li><li>• Maximum total rate per crop cycle or cutting: 0.5 lb ai/A.</li><li>• The REI is 48 hours.</li></ul>	
<b>Pre-Harvest Interval 10 days</b>	

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## OUTDOOR ORNAMENTAL PLANTS IN NURSERIES (GROUND APPLICATION ONLY)

### PRECAUTIONS

Dimethoate 2.67 EC is generally effective in controlling aphids, thrips, leaf miners, scales, leafhoppers and mites. Apply when pests appear or when damage is first observed. For proper timing of treatments for the control of specific pests on ornamental plants, consult your state agricultural experiment station or state agricultural extension service.

### RESTRICTIONS

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.

Use only on listed ornamental plants. Do not use on any ornamental stock plants grown as a source of propagation material, such as cuttings, layers, rootstocks or scions for grafting or budding. Do not use in spray mixtures containing oil.

#### Herbaceous Ornamentals:

- Maximum application rate: 0.25 lb ai/A.
- The maximum total rate per year: 0.25 lb ai/A
- The REI is 48 hours.

#### Woody Ornamentals and Christmas Tree Nurseries:

- Maximum application rate: 1.0 lb ai/A, 14 day reapplication interval.
- Maximum total rate per year: 3.0 lb ai/A.
- The REI is 10 days; however, the REI is increased to 14 days in outdoor areas where the average annual rainfall is less than 25 inches per year.
- High Pressure Handwand Equipment: When applications are made by high pressure handwand equipment, the maximum application rate for all crops and use patterns is 0.0025 pounds active ingredient per gallon.

COMMON NAME	PEST	RATE
<b>AZALEAS</b>	Lace Bugs, Leaf Miners, Mites, Tea Scale and White Flies	3/4 Teaspoon (.12 oz of formulation) per gallon of water.
<b>CAMELLIAS</b>	Aphids, Camellia Scale and Tea Scale	3/4 Teaspoon (.12 oz of formulation) per gallon of water.
<b>ROSES</b>	Leafhoppers and Thrips	3/4 Teaspoon (.12 oz of formulation) per gallon of water.  <b>Foliar spray:</b> Apply 2 sprays 6 weeks apart the first year followed by annual applications after the first growth begins in the Spring. <b>Soil Drench:</b> Apply as a soil drench around the base of plants in early spring at the rate of 4 Tablespoon (2 ounces of formulation) per gallon of water per plant.
<b>BIRCH</b> For leafminers, apply when leaves are expanded and repeat in 6 weeks.	Aphids and Leafminers	3/4 Teaspoon (.12 oz of formulation) per gallon of water.
<b>BOXWOOD</b> For leafminers, apply in spring when leafminer flies first appear or in early summer for control of larvae.	Leafminers, Mealy Bugs and Mites	3/4 Teaspoon (.12 oz of formulation) per gallon of water.
<b>GLADIOLUS</b>	Aphids and Thrips	3/4 Teaspoon (.12 oz of formulation) per gallon of water.
<b>HEMLOCKS</b>	Mites and Scales	3/4 Teaspoon (.12 oz of formulation) per gallon of water.
<b>EUONYMUS</b>	Aphids and Scales	3/4 Teaspoon (.12 oz of formulation) per gallon of water.
<b>PINE AND JUNIPER</b>	Mites, Aphids, Bagworms, European Pine Shoot Moth, Nantucket Pine Tip Moth and Zimmerman Pine Moth	3/4 Teaspoon (.12 oz of formulation) per gallon of water.

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## STORAGE AND DISPOSAL

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 instruction, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. 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. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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### **Warranty and Disclaimer Statement**

The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Such risks may arise from weather conditions, soil factors, off-target movement, unconventional farming techniques, the presence of other materials, the manner of use or application, or other unknown factors, all of which are beyond the control of Arysta LifeScience North America, LLC ("Arysta"), and can cause crop injury, injury to non-target crops or plants, ineffectiveness of the product, or other unintended consequences. All such risks shall be assumed by the user or buyer.

Arysta warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks described above, when used in accordance with the Directions for Use under normal conditions. This warranty does not extend to the use of this product contrary to label instructions or under conditions not reasonably foreseeable to Arysta, and is subject to the inherent risks described above.

**TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ARYSTA DISCLAIMS ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ARYSTA, MANUFACTURER, AND SELLER DISCLAIM AND SHALL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT, OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE, HANDLING, APPLICATION, STORAGE, OR DISPOSAL OF THIS PRODUCT OR FOR DAMAGES IN THE NATURE OF PENALTIES, AND THE USER AND BUYER WAIVE ANY RIGHT THAT THEY MAY HAVE TO SUCH DAMAGES. NO AGENT, REPRESENTATIVE OR EMPLOYEE OF ARYSTA IS AUTHORIZED TO MAKE ANY WARRANTY, GUARANTEE OR REPRESENTATION BEYOND THOSE CONTAINED HEREIN OR TO MODIFY THE WARRANTIES CONTAINED HEREIN.**

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