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Proof Approval

If you have any questions, please contact
CHARISSE WELLBORN

DATE 2-24-09 (b)	ATTENTION WANDA KOONCE	COMPANY ARYSTA		
LABEL DESCRIPTION DIMETHOATE 4E 2.5 GALLON (12-page stitched)	LABEL SIZE 6-3/4 x 6	SHAPE KK	COLORS BLACK, PURPLE 526, GREEN 356	

PLEASE EXAMINE CAREFULLY THE INFORMATION ON THIS PROOF APPROVAL. THE CONTENT AND ACCURACY OF THIS INFORMATION IS YOUR RESPONSIBILITY. YOUR LABELS WILL BE PRINTED EXACTLY AS YOU SPECIFY ON THIS PROOF APPROVAL. PLEASE VERIFY AND SIGN THIS PROOF APPROVAL. NO PRODUCTION WILL BEGIN WITHOUT SIGNED APPROVAL.

OKAY AS IS: _____
 Signature of Authorized Customer Representative Date

CHANGES: _____
 (Please mark below) Signature of Authorized Customer Representative Date

PEEL HERE TO OPEN →

DISC.

Dimethoate 4E

SYSTEMIC INSECTICIDE ORGANOPHOSPHATE

ACTIVE INGREDIENT:
 Dimethoate (0,0-dimethyl S-(N-methyl-carbamoylmethyl) phosphorodithioate) 43.5%

INERT INGREDIENTS: 56.5%

TOTAL 100.0%

1 gallon contains 4 pounds of dimethoate

FIRST AID
Organophosphate

IF SWALLOWED: 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 the poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF INHALED: 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.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

IF ON SKIN OR CLOTHING: 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.

HOT LINE

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)
- (866) 303-6952 PROSAR (human health)

This product is an organophosphorus ester that inhibits cholinesterase. **NOTE TO PHYSICIAN:** This product may cause cholinesterase inhibition. Antidote is atropine.

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 Precautionary Statements and Directions for Use.

EPA Reg. No. 66330-223
 EPA Est. No. 51036-GA-1

AD 071708
 101749

Product of Denmark;
 Formulated in the United States with U.S. and imported ingredients.

Net Contents: 2.5 Gallons

STATE OF HAWAII
 Department of Agriculture

ACCEPTED

LICENSE NO.

8143.26

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

PRECAUTIONARY STATEMENTS

Hazards To Humans And Domestic Animals

WARNING

May be fatal if swallowed. May cause eye injury. Harmful if absorbed through skin. May cause irritation of the nose and throat. Do not get into eyes. Avoid breathing the 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 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:

1. Long-sleeved shirt and long pants
2. Shoe plus socks,
3. Chemical-resistant gloves
4. 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
5. 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 when disposing of equipment washwaters 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 product is toxic to wildlife and aquatic invertebrates. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. 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. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

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

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.

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, the spray boom should be mounted 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 of 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 (PPE), notification to workers, 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).

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-sleeve 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.

DIRECTIONS FOR APPLICATION

ORNAMENTAL PLANTS GROWN IN NURSERIES ONLY

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

This product is intended for use by the commercial grower or commercial applicator in conventional hydraulic sprayers, ground applicators, airplane sprayers, or by chemigation. Do not apply when weather conditions favor drift of spray from areas treated. Repeat applications as necessary unless otherwise specified. Consult your state experiment station or state extension service for proper timing of applications.

Dimethoate 4E has systemic and contact activity against a broad spectrum of piercing, sucking and chewing insects; however, it may not control certain organophosphate resistant species.

For proper mixing, spray tank should be at least three-quarters filled with water before adding Dimethoate 4E. Mechanical agitation or re-circulation through pump bypass to tank is usually sufficient for maintaining a good dispersion.

Spray tank mixtures of Dimethoate 4E with alkaline insecticides and fungicides should be applied promptly. Consult the tank-mix product label for appropriate application rates and use instructions. Follow the label directions for the most restrictive of label precautions and limitations. This product should not be tank-mixed with any product, which prohibits such mixing. Tank mixtures are permitted only in those states where the tank mix partner is registered. Add other products in the following order: water-soluble bags, wettable powders, dry flowables, liquid flowables, EC's, and soluble materials such as fertilizers. If tank mixing with soluble fertilizers containing nitrogen or boron, allow water-soluble bags to dissolve first.

AERIAL APPLICATION: Apply at least one gallon of finished spray per acre. Apply at least 5 gallons finished spray per acre in California.

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.

GROUND APPLICATION: Use water for dilution and apply at least 5 gallons of finished spray per acre.

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.

Do not use on crops grown in greenhouses.

When insect pest population is high, use the higher label rate.

NOTE: Pre-Harvest Interval days indicated in () after each use.

CHEMIGATION INSTRUCTIONS

Apply this product only through one or more of the following types of systems: sprinkler including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move; flood (basin); furrow; border; or drip (trickle) irrigation system(s). Do not apply this product through any other type of irrigation system.

Crop injury or lack of effectiveness can result from non-uniform distribution of treated water. If you 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.

- A. Center Pivot, Traveler, Big Gun, Motorized Lateral Move, End Tow, and Side (Wheel) Roll Irrigation Equipment: Operate system and injection equipment at normal pressures recommended by the manufacturer of injection equipment used. Fill tank or injection equipment with water. Operate system for one complete circle for center pivot or one complete run for the other recommended equipment, measuring time required, amount of water injected, and acreage contained in circle or run. Mix recommended amount of product for acreage to be covered into same amount of water used during calibration and inject into system continuously for one revolution or run, but continue to operate irrigation system until the product has been cleared from last sprinkler head. Spray mixture in the chemical supply tank must be agitated at all times, otherwise settling and uneven application may occur.
- B. Solid Set and Hand Move Irrigation Equipment: Determine acreage covered by sprinkler. Fill tank of injection equipment with water and adjust flow to use contents over a thirty to forty-five minute period. Mix desired amount of product for acreage to be covered into quantity of water used during calibration and operate entire system at normal pressures recommended by the manufacturer of injection equipment used for amount of time established during calibration. Provide constant mechanical agitation in the mix tank to insure that the product will remain in suspension during the injection cycle. This product can be injected at the beginning or end of the irrigation cycle or as a separate application. Stop injection equipment after treatment is completed and continue to operate irrigation system until pesticide is cleared from last sprinkler head.
- C. Flood (Basin), Furrow and Border Chemigation (Soil Drench Uses): Operate system and injection equipment at normal pressures recommended by the manufacturer of injection equipment used. Fill tank or injection equipment with water and adjust flow to use contents over a thirty to forty-five minute period. Mix desired amount of product for acreage to be covered into quantity of water used during calibration and operate entire system at normal pressures recommended by the manufacturer of injection equipment used for amount of time established during calibration. Provide constant mechanical agitation in the mix tank to insure that the product will remain in suspension during the injection cycle. This product can be injected at the beginning or end of the irrigation cycle or as a separate application. Systems using a gravity flow pesticide dispensing system must meter the pesticide into the water at the head of the field and downstream of a hydraulic discontinuity such as a drop structure or weir box to decrease potential for water source contamination from backflow if water flow stops. Systems utilizing a pressurized water and pesticide injection system must meet the requirements listed in the section titled "Safety Devices" below.
- D. Drip (Trickle) Chemigation (Soil Drench Uses): Operate system and injection equipment at normal pressures recommended by the manufacturer of injection equipment used. Fill tank or injection equipment with water and adjust flow to use contents over a thirty to forty-five minute period. Mix desired amount of product for acreage to be covered into quantity of water used during calibration and operate entire system at normal pressures recommended by the manufacturer of injection equipment used for amount of time established during calibration. Provide constant mechanical agitation in the mix tank to insure that the product will remain in suspension during the injection cycle. This product can be injected at the beginning or end of the irrigation cycle or as a separate application. Systems must meet the requirements listed in the section titled "Safety Devices" below.

SAFETY DEVICES

(1) The systems designated above 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. (2) All pesticide injection pipelines must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. (3) 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. (4) The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops. (5) 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. (6) 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. (7) Do not apply when wind speed favors drift beyond the area intended for treatment.

SYSTEMS CONNECTED TO PUBLIC WATER SYSTEMS

Public water systems means a system for the provision to the public of piped water for human consumption if such 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 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.

NOTE: Pre-Harvest Interval days indicated in () after each use.

FRUIT

CHERRIES, Preharvest (Idaho, Oregon, Utah, Washington, and Montana only): (21)

Aphids, Cherry Fruit Flies, Mites – Dilute Application: Use 1/2 to 1 pt./100 gals. water. Concentrate Application: Use 2 3/4 pints per acre. Maximum application rate: 1.33 lbs. a.i./A (2 3/4 pints (44 oz) (Maximum total rate per year: 1.33 lbs a.i./A formulation) 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. Apply a minimum spray volume of 50 gallons per acre. Make a single application within 7 days of adult fly emergence in the area. This single application should be made in late May or early June when the fruit are small in size.

NOTE: Concentrate sprays should be used with caution to avoid fruit marking and injury on sensitive varieties (such as Rainier species). Do not apply when trees or substantial numbers of weeds in the treatment area are in bloom. Do not graze livestock in treated orchards. Only a single application may be made.

CHERRIES, Postharvest (Idaho, Oregon, Utah, Washington, and Montana only):

Aphids, Cherry Fruit Flies, Mites – Dilute Application: Use 1/2 to 1 pt./100 gals. water. Concentrate Application: Use 2 3/4 pints per acre. Maximum application rate: 1.33 lbs. a.i./A (2 3/4 pints (44 oz) (Maximum total rate per year: 1.33 lbs a.i./A formulation) 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. Apply a minimum spray volume of 50 gallons per acre. Make a single application a minimum of 7 days after final harvest or apply in cases where a decision is made not to harvest due to poor fruit quality, a light crop, or unfavorable market conditions.

Do not apply when trees or substantial numbers of weeds in the treatment area are in bloom. Do not graze livestock in treated orchards. Only a single application may be made.

CITRUS including Grapefruit, Kumquats, Lemons, Limes, Oranges, Pummelos, Tangelos, Tangerines: (15 or 45)

Aphids, Mites (except rust mites), Thrips, Whiteflies –

Ground Equipment: 1/2 to 1 pt./100 gals. water for dilute application. Apply as a thorough distribution coverage spray. Maximum application rate: 1 lb a.i./A (1 qt (32 oz) of formulation) Maximum total rate per year: 1 lb a.i./A

For concentrate (mist) application, apply 1 quart per acre in sufficient water to provide full coverage of foliage.

Do not apply to citrus in Florida. Aerial application to citrus is prohibited.

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.

Use higher rate if pest pressure is heavy or if orchard foliage is dense.

Scales (except black or snow) –

Ground Equipment: 1/2 to 1 1/2 pt./100 gals. water for dilute application. Apply as a thorough distribution coverage spray.

For concentrate (mist) application, apply 1 quart per acre in sufficient water to provide full coverage of foliage. Use higher rate if pest pressure is heavy or if orchard foliage is dense.

NOTE: When using high rate for scale control, Pre-Harvest Interval is 45 days.

Do not apply when trees or substantial numbers of weeds in the orchard 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.

CITRUS including Grapefruit, Kumquats, Lemons, Limes, Oranges, Pummelos, Tangelos, Tangerines: (California & Arizona: Nonbearing and nursery stock):

Aphids, Thrips – Foliar Spray: 1 pt./100 gals. water. Maximum application rate: 1 lb a.i./A (32 oz of formulation) Maximum total rate per year: 1 lb a.i./A May be applied in the year trees begin to bear fruit. Soil Drench (trees 1 to 3 years old): 1 qt./acre. Apply in the furrow or basin around the base of the tree. Apply when insect injury to new growth appears. Do not apply to trees that will bear fruit within one year. 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.

CITRUS including Grapefruit, Kumquats, Lemons, Limes, Oranges, Pummelos, Tangelos, Tangerines: (Arizona Only)

Thrips – use specified dosage in the amount of water necessary to achieve adequate coverage of foliage. The type of equipment used will determine the concentration required.

Ground: Apply up to 1 quart (1 lbs. a.i.) in not less than 20 gals. water/acre. 1 lb a.i./A (32 oz of formulation) Maximum total rate per year: 1 lb a.i./A. Do not apply within 15 days of harvest. 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.

Use of dimethoate is prohibited during any time of day in any given orchard from when that orchard has 10% open blooms until such time that there has been at least 75% petal fall on the north side of the trees. Applications of dimethoate shall be limited to that period of time between one (1) hour after sunset to three (3) hours before sunrise when only any one of the conditions prevail: 1) before the onset of petal fall, the orchard to be treated has open blooms present and those open blooms represent less than 10% of the total anticipated blooms in the orchard. 2) After the initiation of petal fall there are less than 25% of open blooms remaining in the orchard to be treated. 3) It is between the calendar dates of February 15 and May 1st.

All applications of dimethoate citrus must be documented on Form 1080 written either by a pest control advisor, farm owner or farm manager as is normally required for custom applications of pesticides, except that private applicators may omit the "Pesticide Application Report" section. The description of the status of bloom of the orchard to be treated as it was at the time of application shall be indicated in the section for "Label Restrictions/Special Instruction". Both private and custom applicators shall mail the to the Agriculture Department's Phoenix office the original of each completed Form 1080 done in accordance with this label. Each form 1080 shall be postmarked not later than Monday following the week in which the application was made, except when holidays intervene.

PEARS: (28)

Aphids, leafhoppers, pear psylla, mites (except rust mites) – Ground Equipment: 1/2 to 1 pt./100 gals. water for dilute application. Maximum application rate: 1 lb a.i./A (32 oz. of formulation) Maximum total application rate per year: 1 lb a.i./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. Apply as a thorough distribution coverage spray.

For concentrate (mist) application, apply 1 quart per acre in sufficient water to provide full coverage of foliage.

Aircraft equipment: 1 qt./acre in 5 to 10 gals. water.

Do not apply when trees or substantial numbers of weeds in the orchard are in bloom.

Do not graze livestock in treated orchards.

NUTS

PECANS: (21)

Aphids, mites, leafhoppers – Ground Equipment: 11 oz./acre. Maximum application rate: 0.33 lb a.i./A (11 oz of formulation) Maximum total rate per year: 0.33 lb a.i./A The REI is 48 hours.

Aerial Equipment: 11 oz./acre in a minimum of 5 gals. of finished spray.

Do not graze livestock in treated groves.

VEGETABLE CROPS

ASPARAGUS (EXCEPT ARIZONA AND CALIFORNIA): (180)

Aphids, Asparagus beetles – 1 pt./acre. Maximum single application rate: 0.5 lb a.i./A (1 pint (16 oz) of formulation) Maximum total rate per season: 1 lb a.i./A The REI is 48 hours. Retreatment Interval is 14 days.

BEANS including fresh, snap, lima and dry beans and excluding cowpeas: (2)

Aphids, grasshoppers, leafhoppers, leaf miners, lygus bugs, mites, bean leaf beetle, Mexican bean beetle – 1/2 to 1 pt./acre. Retreatment Interval is 14 days.

Maximum single application rate: 0.5 lb a.i./A (1 pint (16 oz) of formulation) Maximum total rate per season: 1 lb a.i./A The REI is 48 hours.

Do not feed treated vines.

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.

BROCCOLI, CAULIFLOWER: (7)

Aphids – 1/2 to 1 pt./acre. Maximum application rate: 0.5 lb a.i./A (1 pint (16 oz) of formulation) 7 day retreatment interval. Maximum total rate per year: 1.5 lbs a.i./A 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.

BRUSSELS SPROUTS (FOR USE IN CALIFORNIA ONLY): (10)

Aphids – 1 pt./acre in a minimum of 100 gallons of water using ground equipment. Maximum application rate: 0.5 lb a.i./A (1 pint (16 oz) of formulation) 7 day retreatment interval. Maximum total rate per year: 1.5 lbs a.i./A The REI is 48 hours; however the REI is increased to 72 hours in outdoor areas where the average rainfall is less than 25 inches. Apply when insects first appear. Do not feed or graze livestock in treated fields. Do not apply by air. Do not exceed three applications per growing season.

CELERY: (7)

Leaf miners, Carmine mite, Two-spotted spider mite – 1 pt./acre. Maximum application rate: 0.5 lb a.i./A (1 pint (16 oz) of formulation) 7 day retreatment interval. Maximum total rate per year: 1.5 lbs a.i./A The REI is 48 hours.

GARBANZO BEANS (Chickpeas): (2)

Aphids, grasshoppers, leafhoppers, leaf miners, lygus bugs, mites, bean leaf beetle, Mexican bean beetle – 1/2 to 1 pt./acre. Retreatment Interval is 14 days.

Maximum single application rate: 0.5 lb a.i./A (1 pint (16 oz) of formulation) Maximum total rate per season: 1 lb a.i./A The REI is 48 hours.

Do not feed treated vines.

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.

LEAF LETTUCE, KALE, TURNIP (GREENS AND ROOTS), SWISS CHARD, ENDIVE (ESCAROLE): (14)

Aphids, leafhoppers, leaf miners – 1/2 pt./acre. Maximum application rate: 0.25 lb a.i./A (8 oz of formulation) 7 day reapplication interval, except turnips which have a 3 day reapplication interval. Maximum total rate per year: 0.75 lb a.i./A The REI is 48 hours.

MUSTARD GREENS (14)

Aphids, leafhoppers, leaf miners – 1/2 pt./acre. Maximum application rate: 0.25 lb a.i./A (8 oz of formulation) 9 day reapplication interval. Maximum total rate per year: 0.5 lb a.i./A The REI is 48 hours.

MELONS (EXCEPT WATERMELONS): (3)

Aphids, leafhoppers, leaf miners, thrips – 1 pt./acre. Maximum application rate: 0.5 lb a.i./A (1 pint (16 oz) of formulation) 7 day reapplication interval. Maximum total rate per year: 1 lb a.i./A The REI is 48 hours

WATERMELONS: (3)

Aphids, leaf miners, leafhoppers – 1/2 to 1 pt./acre. Maximum application rate: 0.5 lb a.i./A (1 pint (16 oz) of formulation) 7 day reapplication interval. Maximum total rate per year: 1 lb a.i./A The REI is 48 hours

LUPINE: (2)

Aphids, Lygus bugs, leafhoppers, leafminers – 1/2 to 1 pt./acre. Maximum single application rate: 0.5 lb a.i./A (1 pint (16 oz) of formulation) Maximum total rate per year: 1.0 lb. a.i./A The REI is 48 hours. Apply when insects first appear.

Do not feed or graze forage or hay.

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.

PEAS: (2)

Aphids – 1/3 to 1 pt./acre.

Lygus Bugs – 1 pt./acre.

Maximum application rate: 0.16 lb a.i./A (5 ¼ oz of formulation) Maximum total rate per year: 0.16 lb a.i./A The REI is 48 hours

Note: There are SLN registrations for succulent peas for which the total seasonal rate is not to exceed 0.5 lbs a.i./A.

Not for use on field peas.

Do not make more than one application per season.

Do not feed or graze hay within 21 days after last application when stationary viner is used. Do not feed or graze when a mobile viner is used.

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.

LENTILS: (14)

Aphids – 1/3 to 1 pt./acre.

Lygus Bugs – 1 pt./acre

Maximum application rate: 0.5 lb a.i./A (1 pint (16 oz) of formulation) 7 day reapplication interval. Maximum total rate per year: 1 lb a.i./A The REI is 48 hours

Do not make more than 2 applications per season.

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.

PEPPERS: (2)

Aphids, leaf miners, maggots – 11 oz./acre. Maximum application rate: 0.33 lb a.i./A (11 oz of formulation) 7 day reapplication interval. Maximum total rate per year: 1.65 lbs a.i./A The REI is 48 hours.

POTATOES: (2)

Aphids, grasshoppers, leaf miners, leafhoppers – 1/2 to 1 pt./acre. Maximum application rate: 0.5 lb a.i./A (1 pint (16 oz) of formulation) 7 day reapplication interval. Maximum total rate per year: 1 lb a.i./A The REI is 48 hours.

TOMATOES: (7)

Aphids, leaf miners, leafhoppers – 1/2 to 1 pt./acre. Maximum application rate: 0.5 lb a.i./A (1 pint (16 oz) of formulation) 6 day reapplication interval. Maximum total rate per year: 1.0 lb a.i./A The REI is 48 hours. Where cabbage worms and cabbage loopers are a problem, the above rates of Dimethoate 4E are compatible with Endosulfan or Malathion. Use in accordance with the manufacturers' directions for control of these insects.

FIELD CROPS

ALFALFA, SAINFOIN: (10)

Aphids, grasshoppers, leafhoppers, lygus bugs, plant bugs, reduction of alfalfa weevil larvae – 1/2 to 1 pt./acre. Maximum single application rate: 0.5 lb a.i./A (1 pint (16 oz) of formulation) Maximum total rate per crop cycle or cutting: 0.5 lb a.i./A The REI is 48 hours.

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.

Do not apply within 10 days of pasturing.

Make only one application per cutting. Effective only on cutting to which applied.

FIELD CORN: (14 forage, 28 grain)

Banks grass mites (excluding Trans-Pecos area of Texas), aphids, bean beetle, corn rootworm adult, mites (including two-spotted spider mite), thrips, fleahoppers – 2/3 to 1 pt./acre.

Grasshoppers – 1 pt./acre.

Ground Application: Apply above rate in 20 to 40 gals. of water per acre.

Aerial Application: Apply above rate in 1 or more gals. of water per acre.

Maximum application rate: 0.5 lb a.i./A (1 pint (16 oz) of formulation) Maximum total rate per year: 0.5 lb a.i./A The REI is 48 hours.

Do not feed or graze within 14 days of last application.

Do not apply to corn during the pollen shed period.

PROHIBITION: Workers are prohibited from entering the treated area to perform detasseling tasks for 4 days in nonarid areas and for 15 days in out-door areas where the average annual rainfall is less than 25 inches per year.

COTTON: (14)

Aphids, mites, thrips, fleahoppers, plant bugs – 1/4 to 1/2 pt./acre.

Lygus bugs – 1/2 pt./acre.

Maximum single application rate: 0.5 lb a.i./A (1 pint (16 oz) of formulation) 14 day retreatment interval. Maximum total rate per season: 1 lb a.i./A

Repeat applications should not be made at intervals closer than 14 days. Do not feed treated forage or graze livestock on treated fields.

Note: Pre-Harvest Interval is 40 days if once refined vegetable oil is used for dilution.

Make no more than 4 applications per season at the higher (1/2 pint (8 oz) rate).

Apply at least one quart of finished spray/acre.

COTTON (GROWN IN CALIFORNIA AND ARIZONA): (14)

Lygus bugs, leafhoppers, black fleahoppers, thrips, plant bugs – 1/2 to 1 pt./acre. Maximum single application rate: 0.5 lb a.i./A (1 pint (16 oz) of formulation) 14 day retreatment interval. Maximum total rate per season: 1 lb a.i./A 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.

SAFFLOWER (GROWN IN CALIFORNIA AND ARIZONA): (14)

Aphids, leafhoppers, Lygus bugs, thrips, plant bugs – 1/2 to 1 pt./acre.

Maximum single application rate: 0.5 lb a.i./A (1 pint (16 oz) of formulation) Maximum total rate per crop cycle or cutting: 0.5 lb a.i./A The REI is 48 hours.

Repeat applications should not be made at intervals closer than 14 days.

Make only 2 applications per season at the lower rate.

SORGHUM (MILO): (28)

Aphids, mites (including spider mites) – 1/2 to 1 pt./acre.

Banks grass mites (excluding Trans-Pecos area of Texas) – 1 pt./acre.

Grasshoppers – 1 pt./acre.

Sorghum midge – 1/4 to 1/2 pt./acre.

Maximum application rate: 0.5 lb a.i./ (1 pint (16 oz) of formulation) 7 day reapplication interval. Maximum total application rate per year: 1 lb a.i./A The REI is 48 hours.

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 2 applications at the higher rate per season.

Do not apply after heading.

SOYBEANS: (21)

Mexican bean beetle, spider mites, bean leaf beetle, leafhoppers, alfalfa loopers, three cornered alfalfa hopper – 1 pt./acre. Grasshoppers – 1 pt./acre.

Aphids – 1 pt./acre.

Maximum application rate: 0.5 lb a.i./A (1 pint (16 oz) of formulation) 7 day reapplication interval. Maximum total application rate per year: 1 lb a.i./A The REI is 48 hours

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.

Do not feed or graze within 5 days of last application.

WHEAT, TRITICALE: (35)

Note: Pre-Harvest Interval for California is 60 days.

Aphids (greenbugs), Wheat midge – 1/2 to 3/4 pt./acre.

Brown wheat mite – 1/3 to 1/2 pt./acre.

Grasshoppers – 3/4 pt./acre.

Maximum single application rate: 0.5 lb a.i./A (1 pint (16 oz) of formulation) Maximum total rate per crop cycle or cutting: 0.5 lb a.i./A The REI is 48 hours.

Do not apply within 14 days of grazing immature plant.

Make no more than 2 applications per season at the 1/2 pint rate.

SEED CROPS

ALFALFA: (10)

Aphids, leafhoppers, lygus bugs, grasshoppers, reduction of alfalfa weevil larvae – 1/2 to 1 pt./acre. Maximum application rate: 0.5 lb a.i./A (1 pint (16 oz) of formulation) Maximum total rate per crop cycle or cutting: 0.5 lb a.i./A The REI is 48 hours.

Do not apply if the crop or weeds in the treatment area are in bloom.

Do not feed or graze livestock in treated crops, hay, threshings or stubble within 10 days of application.

GRASSES GROWN FOR SEED (Idaho, Oregon and Washington only): (14)

Winter Grain Mites, Aphids, Thrips and Plant Bugs – 1/2 to 2/3 pt. per acre.

Maximum application rate: 0.5 lb a.i./A (1 pint (16 oz) of formulation) 90 day retreatment interval. Maximum total rate per year: 1 lb a.i./A The REI is 48 hours.

May be applied through ground or aerial application equipment. Apply in minimum of 2 gallons of water per acre. Do not graze or use seed or feed screenings for feed purposes.

ATTENTION: DO NOT USE ON SEED ONIONS, SEED CARROTS, OR SEED BERMUDA GRASS.

FORESTRY/ORNAMENTAL TREE USES

Woody Ornamentals and Christmas Tree Nurseries:

- Maximum application rate: 1.0 lb a.i./A, 14 day reapplication interval.
- Maximum total rate per year: 3.0 lbs a.i./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.

COTTONWOOD (POPLAR) TREES:

Leaf Beetle, Aphids, Bagworms – (Foliar spray) – Apply 1/2 teaspoon per gallon of water. Repeat on a 10 day interval, as necessary, up to 4 sprays per year.

(Soil Injection) – Apply as a soil injection at the rate of .08 oz per inch of tree circumference measured approximately 5 feet above ground level. Application should be made shortly after trees leaf out and again 6 to 8 weeks later, if necessary. Inject to a 4 to 6 inch level below ground surface. Number of injections should equal inches of tree circumference. Water heavily with at least two inches of water.

Leaf Beetle (Chemigation) – 1 to 2 pints per acre through drip line. Maximum application rate: 1.0 lb a.i./A (32 oz of formulation) 14 day reapplication interval. Maximum total rate per year: 3.0 lbs a.i./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. Application may be repeated three times at the higher rate. Refer to section titled “Drip (Trickle) Chemigation (Soil Drench Uses)” for additional application information.

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.

SPRUCE AND LARCH TREE SEED ORCHARDS:

Spruce Budworm, Cone Maggot, Cone Midge, Seed Chalcid, Spruce Coneworm, Spruce Seed Moth, Spiral Spruce Cone Maggot, Spruce Cone-Axis Midge – Apply a 0.5 – 1.0% solution or 10-15 fl. oz per acre. Maximum application rate: 1.0 lb a.i./A (32 oz of formulation) 14 day reapplication interval. Maximum total rate per year: 3.0 lbs a.i./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. Apply after pollination but before cones become pendent to control cone and seed insects. To be applied with pump type sprayer to point of runoff.

OUTDOOR ORNAMENTAL PLANTS (GROUND APPLICATION ONLY)

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.

Dimethoate 4E is generally effective in controlling aphids, thrips, leaf miners, scales, leafhoppers and mites. Make adequate spray when pests appear or when damage is first observed. Do not overdose or overspray. 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.

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

For ornamental shade and nursery trees (including, but not limited to, those trees listed otherwise in the following directions) to control aphids and elm leaf beetle, apply as a soil injection at the rate of 1/2 teaspoonful of product per inch of tree circumference measured at approximately 4 1/2 to 5 feet above ground level. Apply using a low-pressure injector to a 4 to 6 inch level below ground surface within the dripline of the tree. Water heavily after application. Application should be made once per growing season (twice per season for elm leaf beetles; once shortly after trees leaf out, and once 6 to 8 weeks later). Some species such as River Birch, Prunus, Ornamental Cherry, Hawthorne, Japanese Lace Maple and Aspens may show phytotoxic effects at label rates.

DO NOT USE ON BEARING FRUIT TREES.

Herbaceous Ornamentals:

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

Woody Ornamentals and Christmas Tree Nurseries:

- Maximum application rate: 1.0 lb a.i./A, 14 day reapplication interval.
- Maximum total rate per year: 3.0 lbs a.i./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.

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.

ARBORVITAE:

Aphids, Bagworm, Mites – 1/2 Teaspoonful per gallon of water (5 Teaspoons. per 10 gals. water).

AZALEAS:

Lace Bugs, Leaf Miners, Mites, Tea Scale and White Flies – 1/2 Teaspoonful per gallon of water (5 Teaspoons. per 10 gals. water).

BIRCH:

Aphids and Leafminers – 1/2 Teaspoonful per gallon of water (5 Teaspoons per 10 gals. water). For leafminers, apply when leaves are expanded and repeat in 6 weeks.

BOXWOOD:

Leafminers, Mealy Bugs and Mites – 1/2 Teaspoonful per gallon of water (5 Teaspoons. per 10 gals. water). For leafminers, apply in spring when leaf miner flies first appear or in early summer for control of larvae.

CAMELLIAS:

Aphids, Camellia Scale and Tea Scale, Mites – Foliar Spray: 1/2 Teaspoonful per gallon of water (5 Teaspoons per 10 gals. water). Soil Drench: 1/2 Teaspoon. in 1 gal. water. For plants up to 6' tall. Apply as a soil drench around the base of plants in early spring.

CARNATIONS:

Aphids, Thrips and Mites – Soil Drench: 1/2 Teaspoon. per 500 sq.ft. of bed or bench. Apply in sufficient water for even distribution. Water in thoroughly following application.

CEDAR:

Mites – 1/2 Teaspoonful per gallon of water (5 Teaspoons per 10 gals. water).

CHRISTMAS TREES:

Balsam Twig Aphid, Blue Aphid, Bagworms, European Pine Shoot Moth, Mites, Nantucket Pine Tip Moth, Zimmerman Pine Moths – 1/2 Teaspoonful per gallon of water (5 Teaspoons per 10 gals. water).

NOTE: DO NOT USE ON JAPANESE MAPLES OR RED LEAF ORNAMENTAL SPP.

CYPRESS:

Bactra Moth Larvae – 1/2 Teaspoonful per gallon of water (5 Teaspoons per 10 gals. water). Apply as a drenching spray.

DAYLILLIES:

Aphids, Thrips – 1/2 Teaspoonful per gallon of water (5 Teaspoons. per 10 gals. water).

DOUGLAS FIR:

Fir Cone Midge – 1/2 Teaspoonful per gallon of water (5 Teaspoons in 10 gals. water). Make thorough coverage application when cones are closed and pendant. Use hydraulic or backpack sprayer.

FRASER FIR:

Rosette Bud Mite – 1/2 Teaspoonfuls per gallon of water (5 Teaspoons per 10 gallons of water). Use a high pressure hydraulic sprayer with a hand-held spray gun to thoroughly wet trunk and limbs on front and back of tree.

EUONYMUS:

Aphids and Scales – 1/2 Teaspoonful per gallon of water (5 Teaspoons. per 10 gals. water).

FIGUS NITIDA:

Thrips – 1/2 Teaspoonful per gallon of water (5 Teaspoons per 10 gals. water).

GARDENIAS:

Tea Scale and Whitefly – 1/2 Teaspoonful per gallon of water (5 Teaspoons per 10 gals. water).

GERBERAS:

Thrips – 1/2 Teaspoonful per gallon of water (5 Teaspoons per 10 gals. water).

GLADIOLUS:

Aphids and Thrips – 1/2 Teaspoonful per gallon of water (5 Teaspoons per 10 gals. water).

HACKBERRY:

Hackberry Nipplegall Psyllid, Hackberry Budgall Psyllid – 1/2 Teaspoon per gallon of water (5 Teaspoons per 10 gals. Water)

Soil Injection: Use a 1:3 dilution (1 part Dimethoate 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. Apply prior to trunk break. Do not apply to plants that have not been established for at least 3 years.

HEMLOCKS:

Mites and Scales – 1/2 Teaspoonful per gallon of water (5 Teaspoons per 10 gals. water).

HOLLY (English & American, not Burford variety):

Leafminers, Mites and Soft Scale – 1/2 Teaspoonful per gallon of water (5 Teaspoons per 10 gals. water). For leafminers, apply in spring when leafminer flies first appear, or in early summer, for control of larvae in infested leaves.

HONEYSUCKLE:

1/2 Teaspoon per gallon of water (5 Teaspoons per 10 gals. Water)

Honeysuckle Aphid – Soil Injection: Use a 1:3 dilution (1 part Dimethoate 4E to 3 parts water). Apply using a low-pressure injector. Inject 1 1/4 fl.oz. of dilution 6 inches below ground for each 1/2 inch of trunk diameter. Do not apply to plants that have not been established for at least 3 years.

IRIS:

Aphids, Iris Borer, Thrips – 1/2 Teaspoonsful per gallon of water (5 Teaspoons. per 10 gals. water). For borer control, spray when new leaves are 5 to 6 inches tall.

OAK:

Golden Oak Scale – 1/2 Teaspoonsful per gallon of water (5 Teaspoons. per 10 gals. water).

PINES, JUNIPER:

Mites, Aphids, Bagworms, European Pine Shoot Moth, Zimmerman Pine Moth, Midges – 1/2 Teaspoonful per gallon of water (5 Teaspoons per 10 gals. water). Nantucket Pine Tip Moth and Loblolly Pine Sawfly – 1/2 Teaspoonsful per gallon of water (5 Teaspoons per 10 gals. water).

PINYON PINE:

Pinyon Needle Scale – 1/2 Teaspoonsful per gallon of water (5 Teaspoons 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 (1 part Dimethoate 4E to 3 parts water). 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.

POINSETTIA:

Mites, Whitefly, Mealybug and Aphids – 1/2 Teaspoonful per gallon of water (5 Teaspoons per 10 gals. water).

ROSES:

Leafhoppers, Thrips, Aphids, Mites – 1/2 Teaspoonful per gallon of water (5 Teaspoons. per 10 gals. water).

Foliar spray: Apply 2 sprays 6 weeks apart the first year followed by annual applications soon after the first growth begins in the Spring.

Soil Drench: Apply as a soil drench around the base of plants in early spring at the rate of 1/2 Teaspoon per gallon of water per plant.

TAXUS (upright or spreading Yew):

Fletcher Scale, Mealybug and Mites – 1/2 Teaspoonsful per gallon of water (5 Teaspoons per 10 gals. water).

STORAGE AND DISPOSAL

Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available.

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.

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 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 1/4 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 incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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. To the extent consistent with applicable law 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.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE TOTAL LIABILITY OF ARYSTA, MANUFACTURER, AND SELLER, SHALL BE LIMITED TO THE PURCHASE PRICE PAID, OR AT ARYSTA'S ELECTION, THE REPLACEMENT OF THE PRODUCT.

**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 when disposing of equipment washwaters 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 product is toxic to wildlife and aquatic invertebrates. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. 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. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Dimethoate 4E

SYSTEMIC INSECTICIDE ORGANOPHOSPHATE**ACTIVE INGREDIENT:**

Dimethoate (0,0-dimethyl S-(N-methyl-carbamoylmethyl) phosphorodithioate) . . . 43.5%

INERT INGREDIENTS: . . . 56.5%**TOTAL** . . . 100.0%

1 gallon contains 4 pounds of dimethoate

EPA Reg. No. 66330-223

EPA Est. No. 51036-GA-1

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 Precautionary Statements and Directions for Use.

FIRST AID**Organophosphate**

IF SWALLOWED: 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 the poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF INHALED: 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.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

IF ON SKIN OR CLOTHING: 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.

HOT LINE

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)
- (866) 303-6952 PROSAR (human health)

This product is an organophosphorus ester that inhibits cholinesterase.

NOTE TO PHYSICIAN: This product may cause cholinesterase inhibition. Antidote is atropine.

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

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

STORAGE AND DISPOSAL

Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available.

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.

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 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 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 1/4 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 incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Product of Denmark;
Formulated in the United States
with U.S. and imported ingredients.

AD 071708
101749

Manufactured For:
ARYSTA LIFSCIENCE NORTH AMERICA, LLC
15401 Weston Parkway, Suite 150 • Cary, NC 27513

Net Contents: 2.5 Gallons