



GROUP 33 FUNGICIDE

ORNAMENTAL FUNGICIDE

AVALON™ WDG

ACTIVE INGREDIENT:

Aluminum tris (O-ethyl phosphonate) 80.0%

OTHER INGREDIENTS: 20.0%

TOTAL: 100.0%

EPA Reg. No. 61842-9-72112

For PRODUCT USE Information
Call 1-770-619-9832.

Manufactured for:
PROKōZ, Inc.
100 North Point Center E.
Suite 330
Alpharetta, GA 30022

**KEEP OUT
OF REACH
OF CHILDREN
CAUTION**

For FIRST AID and
PRECAUTIONARY STATEMENTS:
See Inside Booklet.

For MEDICAL and TRANSPORTATION
Emergencies ONLY
Call 24 Hours A Day 1-800-424-9300.

CODE
03/07

Net Contents:



FIRST AID	
If in eyes:	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If on skin or clothing:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If swallowed:	<ul style="list-style-type: none"> • Immediately call a poison control center or doctor 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.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-424-9300 for emergency medical treatment information.	

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

Harmful if swallowed or absorbed through the skin or inhaled. Causes moderate eye injury. Avoid contact with skin, eyes or clothing.

ENVIRONMENTAL HAZARDS

This product is toxic to aquatic and estuarine invertebrates. Drift and runoff may be hazardous to aquatic and estuarine organisms in neighboring areas. Do not apply directly to water, 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.

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove PPE clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear long-sleeved shirt and long pants, waterproof gloves, shoes plus socks, and protective eyewear. Follow manufacturer's instructions for cleaning/maintaining personal protective equipment (PPE). If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Read entire label before using this product. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: coveralls, waterproof gloves, shoes plus socks, and protective eyewear.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are not within the scope of the Worker Protection standard for agricultural pesticides (40 CFR part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Keep unprotected persons out of the treated areas until sprays have dried.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE: Store in original container and keep tightly closed. Store in a cool dry area.

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: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Not for home or residential use.

DIRECTIONS THROUGH SPRINKLER IRRIGATION SYSTEMS

Apply this product only through sprinkler irrigation systems including microjet, drip, solid set and center pivot. Do not apply this product through any other type of irrigation system.

SPRAY PREPARATION: Remove scale, pesticide residues, and other foreign matter from the chemical tank and entire injector system. Flush with clean water.

APPLICATION INSTRUCTIONS: First prepare a suspension of **AVALON** in a mix tank. Fill tank with 1/2 to 3/4 the desired amount of water. Start mechanical or hydraulic agitation. Add the required amount of **AVALON**, and then the remaining volume of water. Then set sprinkler to deliver 0.1 to 0.3 inch of water per acre. Start sprinkler and uniformly inject the suspension of **AVALON** into the irrigation water line so as to deliver the desired rate per acre. The suspension of **AVALON** should be injected with a positive displacement pump into the main line ahead of a right angle turn to insure adequate mixing. If you should have any other questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

NOTE: For Microjet and Drip Irrigation Systems: When treatment with **AVALON** has been completed, further field irrigation over the treated area should be avoided for 24 to 48 hours.

For Solid Set and Center Pivot Irrigation Systems: When treatment with **AVALON** has been completed, further field irrigation over the treated area should be avoided until foliage is dry to prevent washing the chemical off the plants.

**GENERAL PRECAUTIONS FOR APPLICATIONS THROUGH
SPRINKLER IRRIGATION SYSTEMS**

Maintain continuous agitation in mix tank during mixing and application to assure a uniform suspension.

The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. The pesticide injection pipeline must also contain a functional, normally closed solenoid operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shutdown. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected. Systems must use a metering pump, such as a positive displacement injection pump (e. g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift, when system connection or fittings leak, when nozzles do not provide uniform distribution or when lines containing the product must be dismantled and drained.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop may result from nonuniform distribution of treated water. Allow sufficient time for pesticide to be flushed through all lines and all nozzles before turning off irrigation water. A person knowledgeable of the chemigation system and responsible for its operation shall shut the system down and make necessary adjustments should the need arise. Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the label-prescribed safety devices for public water supplies are in place.

This product may cause staining. Avoid off-target sites such as side-walks, patios, driveways, pavers, or similar materials. Rinse spray equipment thoroughly with warm water and detergent.

ORNAMENTALS AND BEDDING PLANTS

AVALON may be applied to ornamentals and bedding plants grown in field nurseries, greenhouses, and landscaping and conifer nurseries to control of diseases caused by Pythium and Phytophthora. **AVALON** may also be applied to ornamentals to control downy mildew and fire blight and for suppression of bacterial blight caused by certain pathogens of *Xanthomonas campestris*.

Applications must be made prior to disease development and in conjunction with good cultural management practices. Use the higher rates listed below when disease pressure is severe; however, do not exceed recommended rates or apply more frequently than at specified intervals or plant injury may occur.

PLANT TOLERANCE

Plant tolerances to **AVALON** have been found to be acceptable in the specific genera and species listed on this label. It is not possible to evaluate every species or variety of ornamental plant for its tolerance to **AVALON**. The user should test for possible phytotoxic responses in other plants on a small areas basis using recommended rates prior to commercial use.

ORNAMENTAL AND BEDDING PLANT TANK MIXTURES

Additional Disease Control: If ornamentals are threatened by additional diseases, **AVALON** is compatible with most commonly used fungicides. For control of diseases such as Aerial Web Blight, Alternaria Leaf Blight, Botrytis Blight, Fusarium Leaf Spot, Helminthosporium Leaf Spot, and Ray Blight, **AVALON** can be tank-mixed with Chipco® 26019 brand fungicide.

Consult the Chipco® 26019 label for a complete listing of diseases controlled and for application rates.

If a tank-mix with other fungicides is used, follow label directions for the use of that product and apply at the recommended rate for control of the target disease organism. **AVALON** is not physically compatible with flowable formulations of chlorothalonil or Fore fungicides. These products must NOT be combined for application.

COMPATIBILITY

AVALON may not be compatible with foliar fertilizers or with copper based compounds. To avoid undesirable copper phytotoxicity, do not apply **AVALON** and copper-based compounds at less than 14-day intervals. Also, if copper based products and **AVALON** are included in the same foliar spray program, it is advised to avoid application with air blast equipment.

Do not mix **AVALON** with any sticker, extender or wetting agent.

To determine the physical compatibility of **AVALON** with any other product, use a small container to mix a small amount (e.g. 1 pint) of spray solution, containing all ingredients in the same order and ratio as the anticipated use. If any indication of physical incompatibility develops, do not use this mixture for spraying. Indication of incompatibility usually appears within 5-15 minutes after mixing. Read and follow all directions and precautions on this label and on the labels of any products for which a tank mixture is being considered.

AVALON is not physically compatible with flowable formulations of chlorothalonil or Fore fungicides. These products must NOT be combined for application.

ORNAMENTALS

FOLIAR APPLICATIONS to Aglaonema, Aphelandra, Azalea, Bougainvillea, Boxwood, Cattleya skinneri, Cissus, Dieffenbachia, Hibiscus, Juniper, Leather-leaf Fern, Pittosporum, Philodendron, Pothos, Rhododendron, Spathiphyllum and Taxus media.

Use Precautions:

- Do NOT exceed 400 gallons of spray solution per acre.
- Do NOT make more than one application every 30 days.

Application Instructions: Mix 2.5 – 5.0 lbs. of **AVALON** with 100 gallons of water and spray to wet. If applying less than 100 gallons of spray solution per acre, apply 2.5 – 5.0 lbs. of **AVALON** per acre. Make repeat applications as necessary but do NOT make more than one application every 30 days.

DRENCH APPLICATIONS to Aphelandra, Azalea, Boxwood, Cissus, Dieffenbachia, Japanese Holly, Juniper, Monterey Pine, Philodendron, Pieris, Pittosporum, Rhododendron, Schefflera, Spathiphyllum, and Taxus media.

Use Precautions:

- Do NOT make more than one application every 30 days.

Application Instructions: Mix 0.4 – 0.8 lbs. (6.4 – 12.8 oz.) of **AVALON** with 100 gallons of water and apply to 400 sq. ft. (2 pints of solution per sq. ft.). Repeat as necessary but do NOT make more than one application every 30 days.

SOIL INCORPORATION to Rhododendron, Azalea, or Pieris for control of Phytophthora species **only**.

Use Precautions:

- Make soil incorporation applications to well-rooted plants only.

Application Instructions: Immediately before potting, mix 0.5 – 0.8 lbs. (8 – 12.8 oz.) of **AVALON** per cubic yard of soil mix. If conditions are favorable for disease development, follow-up applications as a foliar spray or drench may be made as needed. Do NOT make more than one application every 30 days.

BEDDING PLANTS

FOLIAR APPLICATIONS to Pansy, Vinca, Marigold, Zinnia, Petunia, Geranium, and Impatiens.

Use Precautions:

- Do NOT apply more than 400 gallons spray per acre.
- Do NOT make more than one application every 14 days.

Application Instructions: Mix 1.25 – 4 lbs. of **AVALON** with 100 gallons of water and spray to wet. Repeat as necessary but do NOT make more than one application every fourteen days.

DOWNY MILDEW CONTROL IN ROSES

FOLIAR APPLICATIONS to field, container, landscape and mini varieties to control downy mildew (*Peronospora sparsa*). NOTE: Applications must be made in conjunction with a disease sanitation program to reduce the spread of the disease to uninfected plants.

Use Precautions:

- Do NOT apply more than 400 gallons of spray solution per acre.
- Do NOT make more than one application every seven days.

Application Instructions: Mix 2.5 lbs. of **AVALON** with 100 gallons of water and spray to wet. If applying less than 100 gallons of spray solution per acre, then apply 2.5 – 5.0 lbs. of **AVALON** per acre. Repeat as necessary but do NOT make more than one application every seven days.

FIRE BLIGHT SUPPRESSION

FOLIAR APPLICATIONS to ornamental pear, pyracantha, and hawthorn. **AVALON** works solely as a preventive treatment in this type of application. NOTE: Applications must be made in conjunction with a disease sanitation program to reduce the spread of the disease to uninfected plants.

Use Precautions:

- Do NOT apply more than 400 gallons of spray solution per acre.
- Do NOT make more than one application every seven days.

Application Instructions: Mix 2.5 lbs. of **AVALON** in 100 gallons of water and spray to wet. If applying less than 100 gallons of spray solution per acre, then apply 2.5 – 5.0 lbs. of **AVALON** per acre. Start spray treatments at the pre-bloom stage and reapply at 7-day intervals until the bloom period ends.

If tank mixing **AVALON** with coppers or other compounds, be sure to refer to compatibility statements at the beginning of this section.

BACTERIAL BLIGHT SUPPRESSION

NOTE: This type of application is NOT registered for use in California.

FOLIAR APPLICATIONS to English ivy, schefflera, anthurium, dieffenbachia, spathiphyllum, syngonium, and ficus to suppress *Xanthomonas campestris* pathovars *hederae*, *dieffenbachiae*, *syngonii*, and *fici*. NOTE: Applications must be made in conjunction with a disease sanitation program to reduce the spread of the disease to uninfected plants.

Use Precautions:

- Do NOT apply more than 400 gallons of spray solution per acre.
- Do NOT make more than one application every seven days.

Application Instructions: Mix 2 – 4 lbs. of **AVALON** with 100 gallons of water and spray to wet. If applying less than 100 gallons of spray solution per acre, then apply 2.5 – 5.0 lbs. of **AVALON** per acre. Make repeat applications as necessary but do NOT make more than one application every 7 days.

If tank mixing **AVALON** with coppers or other compounds, be sure to refer to compatibility statements at the beginning of this section.

CONDITIONS OF SALE – LIMITED WARRANTY AND LIMITATIONS OF LIABILITY AND REMEDIES

The directions on this label are believed to be reliable and must be followed carefully. Insufficient control of pests and/or injury to the crop to which the product is applied may result from the occurrence of extraordinary or unusual weather conditions, the failure to follow the label directions, or good application practices, all of which are beyond the control of PROKOZ, Inc., or seller. In addition, failure to follow label directions may cause injury to crops, animals, man or the environment. PROKOZ, Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose referred to in the directions for use, subject to the factors noted above which are beyond the control of PROKOZ, Inc. Except as warranted by this label, PROKOZ, Inc. makes no other warranties or representations of any kind, express or implied, concerning the product, including no implied warranty of merchantability or fitness for any particular purpose. To the extent allowed by applicable law, the exclusive remedy against PROKOZ, Inc. for any cause of action relating to the handling or use of this product is a claim of damage, and in no event shall damages or any other recovery of any kind against PROKOZ, Inc. exceed the price of the product which causes the alleged loss, damage, injury, or other claim. To the extent allowed by applicable law, PROKOZ, Inc. shall not be liable and any and all claims against PROKOZ, Inc. are waived, for special, indirect, incidental, or consequential damages or expense of any nature, including, but not limited to, loss of profits or income, whether or not based on the negligence of PROKOZ, Inc. breach of warranty, strict liability in tort, or any other cause of action. PROKOZ, Inc. and the seller offer this product, and the buyer and users accept it, subject to the foregoing conditions of sale and limitations of warranty, liability and remedies.

AVALON™ is a trademark of PROKOZ, Inc.

Fore® is a registered trademark of Dow AgroSciences LLC.

PHYTOPHTHORA ROOT ROT PREVENTION FOR CONIFERS IN NURSERIES

NOTE: This type of application is NOT registered for use in California.

DIP TREATMENTS to conifers such as Douglas fir, spruce, and pines.

Use Precautions: Be sure to wear chemical/water resistant gloves, goggles or face shield, long pants (coveralls), long sleeved shirt, shoes, and socks when making dip applications.

Application Instructions: Immediately before transplanting, thoroughly wet plant and root mass by dipping transplants in 2.5 lbs. of **AVALON** per 100 gallons of water.

FOLIAR APPLICATIONS to conifers such as Douglas fir, spruce, and pines.

Application Instructions: Mix 2.5 – 5.0 lbs. of **AVALON** with 100 gallons of water and spray to wet. If applying less than 100 gallons of spray solution per acre, apply 2.5 – 5.0 lbs. of **AVALON** per acre. Make repeat applications as necessary but do NOT make more than one application every thirty days.