

RESTRICTED USE PESTICIDE

The use of this product may pose acute and chronic risk to non-endangered species. Therefore, this product is for retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's Certification.

Supplemental Labeling



Dow AgroSciences LLC

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Indianapolis, IN 46268-1054 USA

FOR SPECIFIC EXEMPTION USE ONLY IN THE STATE OF WASHINGTON IN COUNTIES WEST OF THE CREST OF THE CASCADE MOUNTAIN RANGE ON TRUE FIR CHRISTMAS TREES.

This Specific Exemption (EPA File Symbol 03-WA-13) is valid between
April 15, 2003 and October 31, 2003

This Section 18 label from Dow AgroSciences may be used as supplemental labeling to the Rohm and Haas-labeled product, APHISTAR™ 50 WSP, labeled for "EMERGENCY EXEMPTION USE ONLY".

This labeling must be in the possession of the user at the time of application.

APHISTAR™ 50 WSP

Selective Aphicide In Water-Soluble Pouch



ACTIVE INGREDIENT

Triazamate

Acetic acid, [[1-[(dimethylamino)carbonyl]-3-(1,1-dimethylethyl)-1H-1,2,4-triazol-5-yl] thio]-, ethyl ester..... 50%

INERT INGREDIENTS 50%

TOTAL 100.0%

U.S. Patent No. 4,742,072

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 the label, find someone to explain it to you in detail).

Precautionary Statements

Hazards to Humans and Domestic Animals

WARNING

APHISTAR 50 WSP SELECTIVE APHICIDE IS A CHOLINESTERASE INHIBITOR IN INSECTS AND MAMMALS

May Be Fatal If Swallowed • Causes Moderate Eye Irritation • Harmful If Absorbed Through The Skin • Harmful If Inhaled

Avoid contact with skin, eyes or clothing. Avoid breathing spray mist.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks
- Protective eyewear

Aircraft applicators in enclosed cabs must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Protective eyewear

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Applicators must use 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)). Human flaggers must be in enclosed cabs. The enclosed cabs must be used in a manner that meets the requirements listed in the WPS for agricultural pesticides (40 CFR 170.240(d)(4-6)).

User Safety Recommendations

Users should:

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

Statement of Practical Treatment

If Swallowed: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water. If person is unconscious, do not give anything by mouth and do not induce vomiting.

If in Eyes: Flush eyes with plenty of water. Call a physician if irritation persists.

If on Skin: Wash with plenty of soap and water. Get medical attention if irritation persists.

If Inhaled: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

Note to Physician: In all cases of severe intoxication (see symptoms below), inject as early as possible, preferably intravenously (IV), atropine sulphate, 2-4 mg for adults (0.04-0.08 mg/kg body weight for children) every 3-10 minutes until adequately atropinized, as shown by dilated pupils, flushing of the skin and dry mouth. If the intramuscular (IM) route has to be used, take care not to overdose, since distribution by IM takes longer than by IV route. **If cyanotic, this must be corrected before giving atropine.**

Convulsions should be treated with *diazepam* (e.g. VALIUM, STESOLID), 5-10 mg for adults (2-5 mg for children) either IV or per rectum. Contraindicated are oximes (e.g. 2-PAM, P₂S and Toxogonin), morphine or other opiates, xanthine derivatives and barbiturates. Keep airway clear and watch respiration. Artificial respiration may be required. Observe patient in hospital for at least 24 hours. Diagnosis should be confirmed by determining the cholinesterase activity in venous blood. Restoration of activity is rapid compared with organophosphate compounds.

Symptoms of Exposure: Symptoms of cholinesterase poisoning may appear immediately or up to eight hours after poisoning depending on the degree of exposure. Initial symptoms include headache, fatigue, giddiness, sweating, blurred vision, and difficult breathing. Later symptoms include abdominal cramps, vomiting, diarrhea, salivation, lachrymation, profuse sweating and muscle twitching. If any of the above symptoms are observed, get prompt medical attention.

**IN CASE OF AN EMERGENCY ENDANGERING LIFE OR PROPERTY INVOLVING
THIS PRODUCT CALL DAY OR NIGHT 1-800-992-5994**

Environmental Hazards

This pesticide is toxic to fish, aquatic non-target organisms and wildlife. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters. Do not apply when weather conditions favor drift or runoff from areas treated.

See the AERIAL APPLICATION RESTRICTIONS and the GROUND APPLICATION RESTRICTIONS sections of the label for specific requirements.

In the state of Washington: To protect endangered avian and mammalian species, applications are prohibited in areas of known endangered species occurrence and during breeding season in those areas. The mitigation measures included on the proposed label (e.g., Restricted Use, buffer zones) should be protective of non-target species.

Directions for Use

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Agricultural Use Requirements

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

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of **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 over long-sleeved shirt and long pants
- Waterproof gloves
- Socks and chemical resistant footwear
- Protective eyewear

Storage and Disposal

Storage: Store in a cool, dry area above freezing. Do not store in sunlight. The water-soluble pouch may become brittle at storage temperatures below 32°F. but the product is not affected. Do not remove the water-soluble pouch from the container except for immediate use.

Pesticide Disposal: Do not contaminate water, food or feed by storage or disposal. Pesticide wastes are toxic. 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 container into application equipment. 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.

Steps to be taken in Case Material is Released or Spilled: Evacuate the spill area. Wear full protective equipment. Transfer spilled material into a suitable container for recovery or disposal. Keep dust to a minimum. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water. Remove contaminated clothing and wash affected skin areas with soap and water. Thoroughly launder clothing before reuse. Do not take clothes home to be laundered. *Refer to Precautionary Statements.*

Conditions of Sale and Warranty

Dow AgroSciences warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label only when used in accordance with label directions under normal conditions of use. **Dow AgroSciences MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES EITHER OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE.** Handling, storage and use of the product by Buyer or User are beyond the control of Dow AgroSciences and Seller. Risks such as crop injury, ineffectiveness or other unintended consequences resulting from, but not limited to, weather or soil conditions, presence of other materials, disease, pest, drift to other crops or property or failure to follow label directions will be assumed by the Buyer or User. **IN NO CASE WILL Dow AgroSciences OR SELLER BE HELD LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE HANDLING, STORAGE OR USE OF THIS PRODUCT.**

General Information

APHISTAR* 50 WSP aphicide is a selective, systemic aphicide that provides control of aphids specifically infesting agronomic crops. APHISTAR 50 WSP is effective both as a contact and a systemic (stomach) poison in aphids. APHISTAR 50 WSP may be used at any time when the crop is actively growing and aphids are a problem. Once in the vascular system of the plant, APHISTAR 50 WSP is translocated both upward and downward in the plant. Foliar applications of APHISTAR 50 WSP provide control of root aphids attacking true fir Christmas trees.

Carefully read, understand and follow label use rates, recommendations and restrictions. Apply the amount specified in the following table with properly calibrated aerial or ground spray equipment. Prepare only the amount of spray solution required to treat the measured acreage. APHISTAR 50 WSP Selective Aphicide may be applied in either dilute or concentrate sprays so long as the application equipment is calibrated and adjusted to deliver thorough, uniform coverage. **Use the specified amount of APHISTAR 50 WSP per acre regardless of spray volume used.**

Compatibility

Compatibility of APHISTAR 50 WSP Selective Aphicide with commonly used agricultural fungicides, insecticides, growth regulators, and foliar fertilizers and spray adjuvants has not been fully evaluated. The effect of tank mixtures on the performance of APHISTAR 50 WSP or on phytotoxicity to the crop is not known.

NOTE: Reduced product efficacy may occur if water containing suspended soil particles or organic colloids is used, such as water from ponds, streams or unlined ditches.

Mixing Instructions

Fill spray tank one-third to one-half full before adding water-soluble pouches to the spray tank. Add the required number of pouches as determined by the dosage recommendations into the tank with

continuous agitation. Be certain the APHISTAR 50 WSP pouches are completely dissolved in the spray tank before adding other co-applied products.

NOTE: APHISTAR 50 WSP Selective Aphicide is compatible with boron and spray oils; however, the water soluble pouches must be completely dissolved before adding spray oils or products containing boron to spray mixtures.

Water pH: Do not put APHISTAR 50 WSP Selective Aphicide in alkaline solutions. Adjust the pH of the diluent (spray) water to neutral or slightly acidic ranges (pH 6 to 7) with a pH modifier before adding APHISTAR 50 WSP to the tank.

Adjuvants: Maximum control of target aphids is achieved when APHISTAR 50 WSP is applied in a tank mixture with an adjuvant that assists in the penetration of the leaf cuticle and entry into the vascular system of the crop plant. The use of LI-700 at 1 ½ to 2 pints per 100 gallons of spray mixture is recommended.

Application Instructions

APHISTAR 50 WSP Selective Aphicide provides control primarily through ingestion by the aphid, therefore, application must be in a manner that assures uniform and thorough coverage of plant foliage. Higher water volume and increased spray pressure generally provides better coverage. Avoid application under conditions when uniform coverage cannot be assured or when excessive spray drift may occur.

Resistance Management

Resistance to pesticides has been shown to develop when a pesticide is used continuously against many consecutive generations of a target pest. To prevent or delay the development of resistance, Dow AgroSciences encourages the interruption of APHISTAR 50 WSP use whenever APHISTAR 50 WSP has been used against two consecutive generations of an insect pest. The utilization of IPM practices or use of a product with an alternate mode of action for at least one generation in perennial crops and for the remainder of the crop season for annual crops is encouraged. Since the development of resistance cannot be predicted we suggest that you consult local or state Extension personnel for resistance management strategies appropriate to your crop, locality and production practices.

Aerial Application

APHISTAR 50 WSP Selective aphicide should be applied using swirl jet or hollow cone nozzles and a spray pressure less than 40 psi in a minimum spray volume of 10 gallons per acre. Applications should be made at a height of 6 to 10 feet above the canopy of the crop. To minimize the formation of spray- or wing tip vortice roll it is suggested that the nozzles on the spray booms should not be placed closer to the wing- or rotor tips than ¾ of the span. Nozzles should be spaced and positioned to produce a uniform spray pattern and to minimize or eliminate the formation of droplets 100 microns or less in diameter. Droplets greater than 150 microns are preferred. Formation of very small droplets can be minimized by selection of the appropriate nozzles, by orienting the nozzles to reduce wind shear, and by avoiding excessive spray pressure. Aerial spray equipment should be calibrated and maintained to deliver the largest droplet spectrum that delivers thorough, uniform coverage and acceptable control.

Aerial Application Restrictions:

1. Avoid drift
2. To protect endangered aquatic species, use one of the following options for applications with **aerial equipment:** (1) Apply only when there is a sustained wind away from fish-bearing waters, or (2) Leave a 150 foot untreated buffer between treatment area and fish-bearing waters.
3. Do not apply during temperature inversions or when potential for temperature inversions is high.
4. Do not apply when wind speeds exceed 10 mph.

Ground Application Restrictions

1. Apply only when there is sustained wind away from fish-bearing waters.
2. Leave a 25 foot untreated buffer between treatment area and fish-bearing waters. Or
3. Use low pressure nozzles according to manufacturer's specifications that produce only coarse or very coarse droplets.

Use Directions for True Fir Christmas Trees

Ground Application: Apply APHISTAR 50WSP at the recommended rate in a minimum spray volume of 40 gallons per acre by conventional ground equipment to young trees and seedlings. Make applications in a minimum of 50 gallons per acre to densely foliated or difficult-to-cover trees to assure thorough coverage.

Aerial Application: Make applications of APHISTAR 50WSP at the recommended rate in a minimum spray volume of 10 gallons per acre.

Target Pests	Application Rate		Application Timing	Restrictions
	Acres per pouch †	Ounces Product per acre		
Root aphid (<i>Prociphilus americanus</i>)	0.5	8 (0.25 lb. ai/acre)	For foliar application for control of subterranean (root) colonies, make applications when first signs of infestation appear. Allow a minimum of 30 days to elapse between the first application and a second application if reinfestation occurs.	Do not apply more than two (2) water-soluble pouches (8 oz of APHISTAR 50 WSP) per acre per application and do not exceed 4 pouches (16 ounces APHISTAR 50 WSP) per acre per year. Chemigation: Do not apply this product through any type of irrigation system A minimum of one-hour drying time is required between the completion of application and the onset of precipitation to ensure penetration of the spray deposit.

† APHISTAR 50 WSP selective aphicide is packaged in water-soluble pouches containing 4 ounces of 50% ai wettable powder.

Registrant:
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Formerly: ROHM AND HAAS COMPANY
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*Trademark of Dow AgroSciences EPA File Symbol: 03-WA-13 Replaces D06-880-002.	Revisions: Renewal of Section 18 exemption in the state of Washington for the year 2003. Container label bears Rohm and Haas Company name. Changes in the package size, Personal Protection Equipment, and Agricultural Use Requirements.
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D06-880-003

File: D06-880-003 Aphistar 50 WSP Sec 18 WA Christmas Trees 07Apr03f.doc

APHISTAR[™] 50 WSP

Renewal of Section 18 exemption in Washington state.