

FOR REGISTRATION

June 23, 2014

Doc ID 539113

Classified for
"RESTRICTED USE"
in New York State
under 6NYCRR Part 326

New York State Department
of Environmental Conservation
Division of Materials Management
Pesticide Product Registration



ALT 70 WDG

ACTIVE INGREDIENT:

Aluminum tris (O-ethyl phosphonate) 70.0%

OTHER INGREDIENTS: 30.0%

TOTAL: 100.0%

KEEP OUT OF REACH OF CHILDREN WARNING/AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand this label, find someone to explain it to you in detail.)

FIRST AID	
If in eyes:	<ul style="list-style-type: none"> • 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 eyes. • 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"> • Call a poison control center or doctor immediately for treatment advice. • Have a person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If inhaled:	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
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 1-866-374-1975 for emergency medical treatment information.	

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS WARNING

Causes substantial but temporary eye injury. Harmful if swallowed or absorbed through the skin or inhaled.
Do not get in eyes or on clothing. Avoid contact with skin.

EPA Reg. No. 61842-10

EPA Est. No. 81134 CHN-001
Patent Pending

Product of China

Manufactured for:
Tessenderlo Kerley, Inc.
2255 N. 44th Street, Suite 300
Phoenix, AZ 85008

Net Weight: 6.3 lbs (2.86 kg)



United Turf Alliance

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category A on an EPA chemical-resistant category selection chart. Applicators and other handlers must wear long-sleeved shirt and long pants, chemical resistance gloves made of any waterproof material such as polyethylene or polyvinyl chloride shoes plus socks, and protective eyewear.

USER SAFETY REQUIREMENTS

Follow manufacturer's instructions for cleaning/maintaining personal protective equipment (PPE). If no such instructions are available for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

ENGINEERING CONTROLS

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.

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 washwater or rinsate.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

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 the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

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

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

Exception: If the product is soil-injected or soil incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water, is: coveralls, chemical-resistant gloves made of any waterproof material, shoes plus socks, and protective eyewear (such as goggles, face shield or safety mask).

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 place.

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 HANDLING: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling if available or 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.

CHEMIGATION APPLICATION DIRECTIONS THROUGH SPRINKLER AND DRIP 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.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop 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.

SET UP: Clean all tanks, hoses, fittings and other parts of the injector system. Be sure to remove residue of prior applications, salt residues or other foreign substances. Flush using clean water.

APPLICATION INSTRUCTIONS: First mix ARMORTECH ALT 70 WDG in a tank filled with $\frac{1}{2}$ to $\frac{3}{4}$ the prescribed amount of water. Begin agitation. Add ARMORTECH ALT 70 WDG to the tank, and then add the remaining volume of water. Set sprinkler to irrigate 0.1 to 0.3 inch of water per acre. Start sprinkler and inject the concentrated mixture of ARMORTECH ALT 70 WDG into the irrigation system near the end of the irrigation cycle checking to be sure the proper rate per acre is being applied. The ARMORTECH ALT 70 WDG mixture should be injected using a positive displacement pump into the main line in front of a right angle turn to achieve proper incorporation. Stop the injection equipment after treatment is completed and continue to operate the irrigation system until all of the ARMORTECH ALT 70 WDG mixture has been cleared from the last sprinkler head.

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

NOTE: For Microjet and Drip Irrigation Systems: After treatment with ARMORTECH ALT 70 WDG has been completed, prevent additional irrigation for 24 to 48 hours.

For Solid Set and Center Pivot Irrigation Systems: After treatment with ARMORTECH ALT 70 WDG has been completed, prevent additional irrigation until foliage is dry to avoid washing ARMORTECH ALT 70 WDG off the plants.

SPECIFIC REQUIREMENTS FOR SPRINKLER AND DRIP IRRIGATION SYSTEMS

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

1. 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.
2. The pesticide injection pipeline 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 a 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.

SPECIFIC REQUIREMENTS FOR CHEMIGATION SYSTEMS CONNECTED TO PUBLIC WATER SYSTEMS

1. Public water system 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.
2. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, back flow 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 flow 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.
3. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow fluid back toward the injection.
4. The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
5. The system must contain functional interlocking controls to automatically shut off 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.
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.

TURF

Note: DO NOT apply to home or residential lawns.

ARMORTECH ALT 70 WDG is a fungicide that works systemically. Use in an integrated pest management (IPM) program for the control of Pythium diseases (such as blight and root rot, and yellow tuft) on turfgrass in golf courses, sod farms and other commercial turf areas. Because ARMORTECH ALT 70 WDG contains fosetyl al, a known inducer of systemic acquired resistance (SAR) in plants, ARMORTECH ALT 70 WDG assists in the development of thick, vigorous turf. Turf treated with ARMORTECH ALT 70 WDG can better withstand plant stresses such as heat, humidity, drying winds, and excessive traffic, which can damage turf. ARMORTECH ALT 70 WDG aids the turf's natural ability to resist disease. Plus, a thick healthy turf reduces the likelihood of other pests such as weeds and algae from developing.

Use Precautions:

- Do not graze animals on treated turf.
- Do not feed clippings from treated turf to livestock and poultry.
- Do not mow and/or water treated areas until foliage is completely dry.

Application Instructions: Begin using ARMORTECH ALT 70 WDG when environmental conditions favor disease development and repeat applications as specified in the table below. Apply as a foliar spray at the rate specified below in 1-5 gallons of water per 1,000 sq. ft. Use an accurately calibrated sprayer and agitate while mixing and spraying.

Application Interval	Application Rate (oz. per 1,000 sq.ft.)
14 days	4.6
21 days	9.1

COMPATIBILITY

NOTE: Do NOT mix ARMORTECH ALT 70 WDG with any surfactant, sticker, adjuvant or wetting agent.

ARMORTECH ALT 70 WDG may not be chemically compatible with foliar fertilizers or copper-based fungicides. Mixing with these products may result in phytotoxicity. ARMORTECH ALT 70 WDG is NOT physically compatible with flowable formulations of certain pesticides such as Daconil 2787® (chlorothalonil) or Fore® fungicides (mancozeb), Bayleton® 50W (triadimefon), Rubigan® A.S. (fenarimol) and Spectro® 90 WDG (chlorothalonil plus thiophanate-methyl). Do not use these products in tank mixes with ARMORTECH ALT 70 WDG.

To determine the physical compatibility of ARMORTECH ALT 70 WDG with another product, conduct a "jar test" by mixing a small amount of the tank mix components in a small container. Mix the ingredients with water in the concentration, and in the order of addition desired for the final spray application. Wait 15 minutes. Check for any indication of incompatibility such as separation or curdling. If any indication of incompatibility exists do not use this application mixture. Be sure to read and follow all directions and precautions on this label and on the labels of any tank mix partner products.

TANK MIXTURES FOR TURF DISEASES

Follow the most restrictive of label limitations and precautions and do not exceed label dosage rates.

NOTE: Do NOT mix ARMORTECH ALT 70 WDG with any product which prohibits mixing on its label.

Summer Stress Complex / Summer Decline: ARMORTECH ALT 70 WDG may be used in a tank mix with products labeled to control Summer Stress Complex / Summer Decline caused by a complex of Pythium and Rhizoctonia diseases on common turfgrass on golf courses, sod farms, industrial or municipal turf areas.

Anthracnose: ARMORTECH ALT 70 WDG may be used in a tank mix with products labeled for use on common turfgrass on golf courses, sod farms, and industrial or municipal turf areas for improved control of anthracnose. For best results use a preventative program with repeated applications every 14 days. Begin application during conditions conducive for disease development and before symptoms appear.

Bentgrass Deadspot: ARMORTECH ALT 70 WDG may be used in a tank mix with products used to control bentgrass deadspot in common turfgrass on golf courses, sod farms and industrial or municipal turf areas. For best results use a preventative program with repeated applications every 14 days. Begin application during conditions conducive for disease development and before symptoms appear.

TANK-MIXING INSTRUCTIONS

The order in which products are added to tank mixes can affect ARMORTECH ALT 70 WDG ability to go in to solution. Unless otherwise indicated on this label, it is preferable to add ARMORTECH ALT 70 WDG to a tank which has been partially filled with water and has no other tank mix components.

If tank-mixing with other pesticides, follow the label directions for the use of the tank mix partner product and apply at the recommended rate for control of the target disease organism. Be sure to maintain agitation while mixing and spraying.

WARRANTY AND LIMITATIONS OF DAMAGES

United Phosphorus, Inc. warrants only that this product conforms to the product description on the label. Except as warranted by this label, United Phosphorus, Inc. makes no representation or warranty or guarantee, whether expressed or implied, of fitness for a particular purpose of merchantability, or of product performance. United Phosphorus, Inc. does not authorize any agent or representative to make any such representation, warranty or guarantee. To the extent consistent with applicable law, United Phosphorus, Inc.'s maximum liability for breach of its warranty or for use of this product, regardless of the form of action, shall be limited to the purchase price of this product. To the extent consistent with applicable law, buyer and user acknowledge and assume all risks and disposal liability resulting from handling, storage, use and disposal of this product. If buyer does not agree with or accept these warranty and liability limitations, buyer may return the unopened container to the place of purchase for full refund. Buyer's use of this product shall constitute conclusive evidence of buyer's acknowledgement and acceptance of the forgoing limitations. Some states do not allow the exclusion of implied warranties or the limitation of certain damages, so the above may not apply. The purchase, delivery, acceptance and use of this product by the buyer are subject to the terms and conditions of seller's sales invoice for this product.

ARMOR TECH® is a registered trademark of United Turf Alliance, LLC.

Fore® is a registered trademark of Dow AgroSciences, LLC.

Daconil® is a registered trademark of Syngenta Group Company.

Bayleton® is a registered trademark of Bayer AG.

Rubigan® is a registered trademark of Gowan Company.

Spectro® is a registered trademark of Cleary Chemical Corporation.