

QUALI-PRO

FOSETYL-AL

80WDG

Fungicide



ACTIVE INGREDIENT:

Aluminum tris

(O-ethyl phosphonate): 80.0%

INERT INGREDIENTS: 20.0%

TOTAL: 100.0%

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

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

**KEEP OUT OF
REACH OF CHILDREN
CAUTION**

See inside booklet for complete First Aid, Precautionary Statements, Directions for Use, and Conditions of Sale and Warranty.

EPA Reg. No.: 66222-161

EPA Est. No.: 37429-GA-001^{BT}

37429-GA-002^{BO}

Letter(s) in lot number correspond(s) to superscript in EPA Est. No.

CONTENTS: 5.5 POUNDS



Manufactured for:

Makhteshim Agan of North America, Inc. (d/b/a ADAMA)

3120 Highwood Blvd, Suite 100

Raleigh NC 27604

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">• 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:	<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 mouth-to-mouth if possible.• Call a poison control center or doctor for further treatment advice.
Have the product container or label with you when calling a poison control center or doctor or going for treatment. For medical emergencies involving this product, call Prozar at 1-877-250-9291.	

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Caution. Harmful if swallowed or absorbed through the skin or inhaled. Causes moderate eye irritation. 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.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

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

USER SAFETY RECOMMENDATIONS

Users should:

- Wash thoroughly with soap and water after handling and 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 agency responsible for pesticide regulation.

This product is not to be used on home or residential sites.

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 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
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks
- 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.

Quali-Pro Fosetyl-AI 80 WDG is a systemic fungicide that, when used according to the label directions and as part of good management practices programs, will control or suppress listed fungal diseases in a variety of crops.

COMPATIBILITY

Turf: Some foliar fertilizers and copper-based fungicides are not compatible with Quali-Pro Fosetyl-AI 80 WDG, and a tank mix of these products with Quali-Pro Fosetyl-AI 80 WDG may result in phytotoxicity to various plants. To avoid this phytotoxicity, apply Quali-Pro Fosetyl-AI 80 WDG at least 14 days before or after an application of a copper-based fungicide; and in these spray programs, avoid applying with air blast equipment. Stickers, extenders, and wetting agents must not be mixed with Quali-Pro Fosetyl-AI 80 WDG. Do not tank mix Quali-Pro Fosetyl-AI 80 WDG with the following products because they are not compatible with Quali-Pro Fosetyl-AI 80 WDG: Daconil 2787 Flowable Fungicide (or other registered flowable formulations containing chlorothalonil), Fore Fungicide flowable formulations (or other registered flowable formulations containing mancozeb), Bayleton® 50W (or other registered similar formulations containing triadimefon), Rubigan™ A.S. (or other registered flowable formulations containing fenamirol), Spectro 90WDG (or other similar registered formulations containing thiophanate-methyl and chlorothalonil).

Physical Compatibility Test: Before mixing Quali-Pro Fosetyl-AI 80 WDG with any other product including but not limited to soluble concentrate or flowable formulations, conduct a physical compatibility test. Use a clear container (1 pint) and mix a small amount of spray solution by adding each component in the order and ratio as required for making large amounts of the tank mix solution. Stir the contents and allow to settle for 5-15 minutes. Solutions that stay in suspension or can be remixed readily are considered compatible. Increased compatibility may result if a buffering agent is used.

TOLERANCE

Although Quali-Pro Fosetyl-AI 80 WDG has been found to be safe to use with the species listed on this label, it is impossible to test all species or varieties under all types of growing conditions for tolerance to Quali-Pro Fosetyl-AI 80 WDG. Always test for plant phytotoxicity on a small scale using the recommended rates before preparing spray solutions or applying to large areas of plants.

PREPARATION OF SPRAY SOLUTIONS

Only prepare the amount of spray solution required for one day's application.

1. Always use clean water when preparing spray tank solutions. Ensure the spray tank is clean prior to use. Add clean water to fill the tank 1/4 to 1/2 full.
2. With the agitator running, slowly add the required amount of Quali-Pro Fosetyl-AI 80 WDG to the tank.
3. Slowly add an alkaline buffering agent when required (see **TANK MIXES** below).
4. Fill the spray tank with the remaining amount of water and continue agitation until the application is completed.

TANK MIXES

Plant phytotoxicity from solubilized copper has been observed under several situations:

- 1) when products containing copper are tank-mixed with Quali-Pro Fosetyl-AI 80 WDG, **OR**
- 2) when unbuffered Quali-Pro Fosetyl-AI 80 WDG solutions are applied to plant foliage that bear copper residues from prior treatments with copper products. Do not tank mix Quali-Pro Fosetyl-AI 80 WDG with copper compounds.

In situations when copper compounds are applied **prior** to or will be applied **after** applications of Quali-Pro Fosetyl-AI 80 WDG, increase the pH of the Quali-Pro Fosetyl-AI 80 WDG tank solution (see Step 3 under **PREPARATION OF SPRAY SOLUTIONS** above) to 6.0 or above using an alkaline buffer. Examples of alkaline buffers include potassium carbonate (use 3 lbs. for every 5 lbs. Quali-Pro Fosetyl-AI 80 WDG) and diammonium phosphate (use 5 lbs. for every 5 lbs. Quali-Pro Fosetyl-AI 80 WDG). Use caution when using potassium carbonate as the buffer because it reacts during the addition to form carbon dioxide gas (CO₂). Do not seal the spray tank until all of the CO₂ gas is released, a process that usually takes about 5 minutes.

APPLICATION DIRECTIONS FOR FOLIAR SPRAYS

For systemic control of various fungal diseases, apply Quali-Pro Fosetyl-AI 80 WDG according to these label directions.

Apply Quali-Pro Fosetyl-AI 80 WDG in a sufficient amount of water to ensure thorough coverage of plant foliage. The spray volumes will vary by crop and growth stage.

APPLICATION DIRECTIONS FOR SPRINKLER IRRIGATION SYSTEMS

Do not apply Quali-Pro Fosetyl-AI 80 WDG through chemigation in California.

Apply this product only through sprinkler irrigation systems including mini-sprinkler or micro-jet, 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: A suspension of Quali-Pro Fosetyl-AI 80 WDG is prepared in a mixing tank by adding 1/2 to 3/4 of the desired amount of water. Start the agitator and then add the required amount of Quali-Pro Fosetyl-AI 80 WDG followed by 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 Quali-Pro Fosetyl-AI 80 WDG into the irrigation water line to deliver the desired rate per acre. The suspension should be injected with a positive displacement pump into the main line ahead of a right angle turn to ensure 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 mini-sprinkler and drip irrigation systems, avoid field irrigation over the treated area for 24 to 48 hours after completion of the Quali-Pro Fosetyl-AI 80 WDG treatment.

For solid set and center pivot irrigation systems, after completion of the Quali-Pro Fosetyl-AI 80 WDG treatment, do not irrigate the treated area until the foliage has dried to prevent wash-off of the chemical from the crop.

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 shut down.
- 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 non-uniform 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.

CONIFER NURSERIES*

Disease:	Phytophthora Root Rot
Application Method:	Dip
Typical Conifers:	Douglas firs, spruce, and pines
Rate:	2.5 lbs. product per 100 gals. water
Specific Directions:	Thoroughly wet plant and roots by dipping into the Quali-Pro Fosetyl-AI 80 WDG solution immediately prior to transplanting.

NOTE: During the dipping process, users must wear chemical/water-resistant gloves, goggles or face shield, long pants (coveralls), long-sleeved shirt, and shoes plus socks.

Disease:	Phytophthora Root Rot
Application Method:	Foliar
Typical Ornamentals:	Douglas firs, spruce, and pines
Rate:	2.5 – 5.0 lbs. product per 100 gals. water
Specific Directions:	Apply Quali-Pro Fosetyl-AI 80 WDG to wet the foliage. Use a rate of 2.5 – 5.0 lbs./A when applying in spray volumes of less than 100 gals./A. Do not exceed 400 gals. of spray solution per acre. Make repeat applications as needed but not more often than every 30 days.

*Not registered for use in California.

TURF – QUALI-PRO FOSETYL-AL 80 WDG ALONE

Diseases:	Pythium diseases including blight and root rot, Yellow Tuft
Application Method:	Foliar
Typical Sites:	Turf grass on golf courses, sod farms, commercial turf areas Not for use on home or residential turf
Rate:	4.0 oz. product per 1000 sq. ft., 14-day intervals
Rate:	8.0 oz. product per 1000 sq. ft., 21-day intervals
Specific Directions:	Apply Quali-Pro Fosetyl-AI 80 WDG in 1 to 5 gals. of water per 1000 sq. ft. Agitate solutions during the spray operations. Calibrate equipment before making application. Use in a season-long program to control listed diseases by applying when conditions favor disease. Make repeat applications at the spray interval listed based on use rate. Allow the foliage to dry before watering or mowing treated areas.

RESTRICTIONS:

- Do not graze animals on treated turf.
- Do not feed clippings from treated turf to livestock and poultry.

TURF – QUALI-PRO FOSETYL-AL 80 WDG AND TANK MIX PARTNERS

Application Method:	Foliar
Typical Sites:	Turf grasses on golf courses, sod farms, industrial and municipal turf areas Not for use on home or residential turf
Spray Intervals:	14 days
Diseases:	Summer Stress Complex/Summer Decline (<i>Pythium</i> , <i>Anthracnose</i> , <i>Rhizoctonia</i> spp.) AND/OR Anthracnose (<i>Colletotrichum graminicola</i>)

Tank Mix Products:	Rate (oz. product per 1000 sq. ft.)
QP Fosetyl AI 80 WDG	4.0 – 8.0
plus	plus
26GT	3.0 – 4.0
or	or
Daconil Ultrex®	3.2
or	or
Manicure™ DG	3.3
or	or
Dithane® T/O	8.0
or	or
Protect T/O	8.0
or	or
Mancozeb DG	8.0
or	or
Fore® WP	4.0 – 8.0
or	or
Heritage®	0.2 – 0.4
or	or
Banner® MAXX®	1.0 – 2.0
or	or
ProStar® 70WP	1.5 – 3.0

Diseases: Bentgrass Deadspot (*Ophlosphaerella agrostis*)

Tank Mix Products: **Rate (oz. product per 1000 sq. ft.)**

Quali-Pro Fosetyl-AI 80 WDG	4.0
plus	plus
Fore® Rainshield™	8.0
or	or
Daconil Ultrex®	3.2

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Specific Directions: Use the most restrictive of label limitations for Quali-Pro Fosetyl-AI 80 WDG or tank mix partner. Always apply at the recommended rates. Do not mix with products that prohibit such mixing. Apply in 1 to 5 gals. of water per 1000 sq. ft. Agitate solutions during the spray operations. Calibrate equipment prior to use. Repeat at recommended intervals. Allow foliage in treated areas to dry before watering or mowing. To improve the control of anthracnose, use Quali-Pro Fosetyl-AI 80 WDG in a preventative, multi-application program in which applications begin prior to outbreak of the disease. To improve the control of deadspot, use Quali-Pro Fosetyl-AI 80 WDG in a preventative, multi-application program in which applications begin prior to outbreak of the disease and when conditions favor development of the disease.

NOTE: When used in turf management programs, Quali-Pro Fosetyl-AI 80 WDG promotes turf that is thick and vigorous and tolerant to such stress factors as heat and humidity. This healthy grass is less susceptible to diseases and other turf pests such as weeds and algae.

RESTRICTIONS:

- Do not graze animals on treated turf.
- Do not feed clippings from treated turf to livestock and poultry.

The following fungicides are known to be compatible with Quali-Pro Fosetyl-AI 80 WDG and any one may be used in place of products listed above for use as a tank mix with Quali-Pro Fosetyl-AI 80 WDG to control Summer Stress Complex:

Bayleton® 50*	Fungo® 50 WSB
Cavalier 50WSB	Manicure® 6 Flowable
Cavalier Flowable	Manicure® T/O Flowable
Chlorostar	Manicure® Ultrex®
Cleary's 3336® WP*	Medallion®
Cleary's 3336® F*	Pentathlon
Compass®	Pentathlon DF
Concorde® DF	Revere® 4000
Concorde® SST	SysStar®
Consyst®	SysTec 1998
Curalan® EG	SysTec 1998 WDG
Daconil Weather Stik*	Systhane® WSP
Daconil ZN Rainshield NT™	Terrachlor® 75WP and 400*
Eagle®	Terraguard® 50W
Echo® 90DF	Terrazole® 35% WP
Echo® Flowable	Touche EG
Endorse™	Turfcide® 400
Fungo® Flo	TwoSome Flowable Fungicide

***NOTE:** When preparing spray tank mixtures, add these products to the spray tank and allow complete dispersion in water before adding Quali-Pro Fosetyl-AI 80 WDG.

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 (flexible-bag-all weights): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. 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.

Nonrefillable Container (rigid-fifty lbs or less): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. 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 by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Nonrefillable Container (rigid-greater than fifty lbs): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

LIMITATION OF WARRANTY AND LIABILITY

Read the entire Directions for Use, Conditions of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following **CONDITIONS, DISCLAIMER OF WARRANTIES** and **LIMITATIONS OF LIABILITY**.

CONDITIONS: 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. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of ADAMA. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, ADAMA makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond the statements made on this label. No agent of ADAMA is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, ADAMA disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product.

LIMITATIONS OF LIABILITY: To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid or at ADAMA's election, the replacement of product.

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Raleigh NC 27604