

ZENECA Ag Products

Quadris™

FLOWABLE Fungicide

BROAD SPECTRUM FUNGICIDE FOR CONTROL OF PLANT DISEASES

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CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product should be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of ZENECA or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold ZENECA and Seller harmless for any claims relating to such factors.

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ACCEPTED

JUN 22 1997

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 10182-415

PM 22 10182-415 6/22/97 1/6

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ACTIVE INGREDIENT:

Azoxystrobin: methyl (E)-2-[2-[6-(2-cyanophenoxy)pyrimidin-4-yloxy]phenyl]-3-methoxyacrylate* .. 22.9%

INERT INGREDIENTS: 77.1%

TOTAL100.0%

Contains 2.08 lbs of active ingredient per gallon

*IUPAC

EPA Reg No. 10182-415

KEEP OUT OF REACH OF CHILDREN CAUTION

STATEMENT OF PRACTICAL TREATMENT

IF ON SKIN: Wash with plenty of soap and water. If symptoms persist, get medical attention.

FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE, CALL 1-800-F-A-S-T-M-E-D (327-8633).

FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident, call CHEMTREC, 1-800-424-9300.

PRECAUTIONARY STATEMENTS

**HAZARDS TO HUMANS
AND DOMESTIC ANIMALS**

CAUTION

HARMFUL IF ABSORBED THROUGH SKIN. Avoid contact with eyes, skin, or clothing. Wear long-sleeved shirt and long pants, socks and shoes and waterproof gloves. Wash thoroughly with soap and water after handling.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear:

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

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing 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.

ENVIRONMENTAL HAZARDS

The active ingredient, azoxystrobin, in this product can be persistent for several months or longer. Azoxystrobin has degradation products which have properties similar to chemicals which are known to leach through soil to ground water under certain conditions as a result of agricultural 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 pesticide is toxic to freshwater and estuarine/marine fish and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high-water mark. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwater or rinsate.

Notify state and/or federal authorities and Zeneca Inc. immediately if you observe any adverse environmental effects due to use of this product.

DIRECTIONS FOR USE

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

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FAILURE TO FOLLOW THE USE DIRECTIONS AND PRECAUTIONS ON THIS LABEL MAY RESULT IN PLANT INJURY OR POOR DISEASE CONTROL.

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
- Waterproof gloves
- Shoes plus socks

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STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

STORAGE: Store in original containers only. Keep container closed when not in use. Do not store near food or feed. In case of spill on floor or paved surfaces, sweep and remove to chemical waste storage area until proper disposal can be made if product cannot be used according to the label.

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 of the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL:

Plastic Containers: Triple rinse (or equivalent); then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or alternatives allowed by State and local authorities.

FOR BULK AND MINIBULK CONTAINERS:

CONTAINER DISPOSAL: Reseal container and offer for reconditioning, or triple rinse (or equivalent) and offer for recycling or reconditioning, or clean in accordance with manufacturer's instructions.

CONTAINER PRECAUTIONS: Before refilling, inspect thoroughly for damage, such as cracks, punctures, bulges, dents, abrasions and damaged or worn threads on closure devices.

STORAGE AND DISPOSAL (cont.)

REFILL ONLY WITH QUADRIIS™ FLOWABLE FUNGICIDE. The contents of this container cannot be completely removed by cleaning. Refilling with materials other than QUADRIIS Flowable will result in contamination and may weaken container.

After filling and before transporting, check for leaks.

Do not refill or transport damaged or leaking container.

CONTAINER IS NOT SAFE FOR FOOD, FEED OR DRINKING WATER.

GENERAL INFORMATION

QUADRIIS™ Flowable is a broad spectrum, preventative fungicide with systemic and curative properties recommended for the control of many important plant diseases. QUADRIIS Flowable may be applied as a foliar spray in alternating spray programs or in tank mixes with other registered, crop protection products. QUADRIIS Flowable may be applied with all types of spray equipment commonly used for making ground applications. For ground applications apply QUADRIIS Flowable in sufficient water volume for adequate coverage and canopy penetration. All applications should be made according to the use directions that follow.

GENERAL USE PRECAUTIONS

Do not apply QUADRIIS Flowable through any type of irrigation system or through any ultra low volume (ULV) spray system. Crops in this label may be planted immediately after last treatment. Do not plant other crops within 45 days after last application.

INTEGRATED PEST (DISEASE) MANAGEMENT

QUADRIIS Flowable should be integrated into an overall disease and pest management strategy whenever the use of a fungicide is required. Practices known to reduce disease development should be followed. The SPECIFIC USE DIRECTIONS section in this label identifies specific IPM recommendations for each crop. Consult your local agricultural authorities for additional IPM strategies established for your area. QUADRIIS Flowable may be used in State Agricultural Extension advisory (disease forecasting) programs which recommend application timing based on environmental factors favorable for disease development.

RESISTANCE MANAGEMENT

Some plant pathogens are known to develop resistance to products used repeatedly for disease control. In order to maintain QUADRIIS Flowable as a valuable disease control tool and because the development of resistance cannot be predicted, the SPECIFIC USE DIRECTIONS section of this label provides use directions to implement resistance management strategies for each crop. Consult your local or state agricultural authorities for resistant management strategies that are complementary to those in this label. QUADRIIS Flowable is not cross resistant with other classes of fungicides which have different modes of action.

MIXING

QUADRIIS Flowable is intended for dilution with water for spray application and may be used in all types of spray equipment commonly used for making ground applications. Partially fill the spray tank with clean water and begin agitation. Add the specified amount of QUADRIIS

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Flowable to the tank, allowing time for good dispersion. Finish filling the tank to the desired volume to obtain the proper spray concentration. Maintain agitation throughout the spraying operation. Do not allow spray mixture to stand overnight or for prolonged periods. Make up only the amount of spray required for immediate use.

TANK MIXES/COMPATIBILITY

QUADRIIS Flowable is compatible with many commonly used fungicides, liquid fertilizers, herbicides, insecticides and biological control products. If tank mixes are desired, observe all directions, precautions, and limitations on labeling of all products used. Consult compatibility charts or your local or state agricultural authorities for compatibility information. Do not combine QUADRIIS Flowable in the spray tank with pesticides or fertilizers, unless compatibility charts or your own prior use has shown that the combination is physically compatible, effective and non-injurious under your conditions of use. If physical compatibility is unknown, the following procedure should be followed: Pour the recommended proportions of the products into a suitable container of water, mix thoroughly and allow to stand at least twenty (20) minutes. If the combination remains mixed or can be re-mixed readily, the mixture is considered physically compatible. Products should be added to the spray tank in the following order: WG or dry flowable formulations, wettable powders, and flowable (aqueous suspensions) products such as QUADRIIS Flowable.

SPECIFIC USE DIRECTIONS

TOMATOES

QUADRIIS Flowable fungicide is recommended for the control of anthracnose, early blight, late blight, and Septoria leafspot in tomatoes.

Integrated Pest (Disease) Management:

QUADRIIS Flowable should be integrated into an overall disease management strategy for each field. Practices known to reduce disease development should be followed. These include proper selection of varieties with tolerance to disease, removal of plant debris in which inoculum overwinters, plant residue management, crop rotation, irrigation management and the use of fungicides when required.

Resistance Management: A disease management program that includes alternation between QUADRIIS Flowable and other labeled fungicides that have a different mode of action is essential to prevent pathogen populations from developing resistance to QUADRIIS Flowable. When QUADRIIS Flowable is being applied for the control of anthracnose, early blight or Septoria leafspot, no more than four sequential applications of QUADRIIS Flowable should be made before alternating with a fungicide with a different mode of action. When QUADRIIS Flowable is being applied for the control of late blight, no more than two sequential applications of QUADRIIS Flowable should be made before alternation with a fungicide with a different mode of action. If late blight should occur during an early blight spray program, switch immediately to the late blight spray program beginning with a fungicide that has a different mode of action. Do not make more than six (6) applications per acre per year.

Application Directions: QUADRIIS Flowable should be applied prior to or in the early stages of disease development. Applications may be made only by ground equipment. Proper adjustment and calibration of spraying equipment is essential to ensure proper coverage for good disease control. Use sufficient volumes of water to ensure adequate coverage of plant

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parts to be protected. The higher rates in the rate range and/or shorter spray intervals may be required under conditions of heavy infection pressure, highly susceptible varieties, or when disease conducive environmental conditions exist.

Do not apply until 21 days after transplanting or 35 days after seeding.

Do not apply with an adjuvant due to the potential for phytotoxicity.

Do not apply within 7 days of harvest.

Do not apply more than 1.15 quarts product/acre/year (0.6 lb ai/A)

DIRECTIONS FOR APPLICATION

Crop	Target Diseases	Use Rate fl oz product/A (lb ai/A)	Remarks
Tomatoes	Anthracnose <i>(Colletotrichum coccodes)</i> Early Blight <i>(Alternaria solani)</i> Septoria Leafspot <i>(Septoria lycopersici)</i>	5.0-6.2 (0.08-0.10)	QUADRIS Flowable should be applied on 7-14 day intervals. No more than four sequential applications of QUADRIS Flowable should be made before alternating with fungicides that have a different mode of action. Do not alternate or tank mix with fungicides to which resistance has developed in the pathogen population. Do not make more than six (6) applications on tomatoes per acre per year for all diseases. Do not apply within 7 days of harvest. (continued)

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Crop	Target Diseases	Use Rate fl oz product/A (lb ai/A)	Remarks
Tomatoes (cont.)	Late Blight <i>(Phytophthora infestans)</i>	6.2 (0.10)	Late Blight: QUADRIS Flowable should be applied prior to disease development at 5-7 day intervals. No more than two sequential applications of QUADRIS Flowable should be made before alternating with fungicides that have a different mode of action. Do not alternate or tank mix with fungicides to which resistance has developed in the pathogen population. Do not make more than six (6) applications on tomatoes per acre per year for all diseases. Do not apply within 7 days of harvest.

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QUADRIS Flowable Rate Conversion Chart

Fluid Ounces Product/A	Lb ai/A	Treated Acres/ Gal Product
5	0.08	25.6
6	0.10	21.3

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Manufactured in the U.K. for distribution by

ZENECA Ag Products

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