

FOR USE IN FLOWING WATERS

In Potable Water Supplies*, Canals, Ditches, Aqueducts, and equipment/structures to include pipes, intake structures, gatehouses, screens, pumping stations, weirs, tanks, and penstocks that deliver treated water directly to publicly owned water treatment facilities.

Apply EarthTec QZ in flowing waters when mollusks (veliger, juvenile, or adult) have been detected. EarthTec QZ may be used as a curative measure when adult or juvenile mollusks are present, or as a preventative measure (to inhibit colonization) when adults and/or planktonic larval mollusks have been detected. EarthTec QZ may be used continuously on flowing waters as a means of preventing further spread and colonization of mollusks. Start the continuous application of EarthTec QZ when mollusks are detected and end application when mollusks are no longer present.

For flowing waters use a metering pump to apply a continuous dose to achieve a final dilution not to exceed 1.0 ppm as metallic copper (16.7 gallons of EarthTec QZ) per million gallons of water. Start with 1 to 4 gallons of EarthTec QZ per million gallons of water (0.06 to 0.24 ppm metallic copper) and increase as necessary. Start treatment at the first sign of algae problems and stop treatment when algae no longer pose a nuisance.

If adult mollusks are already present, allow at least 4 days for mortality to occur, or longer for well-established populations where adults appear in clumps. For most situations satisfactory control will be obtained at a continuous dose of 1 to 5 ppm EarthTec QZ (i.e., 0.06 to 0.30 ppm metallic copper). Colder water temperatures may require longer exposure and higher labeled rates. Once the initial infestation has been cleared from surfaces, a continuous maintenance dose of 0.6 to 2.0 ppm EarthTec QZ (0.036 to 0.12 ppm metallic copper) can be used to prevent further colonization.

*Water Destined to Be Used as Drinking Water (this water must receive additional and separate potable water treatment)

Restrictions:

- Do not exceed 5.5 gallons EarthTec QZ (2.74 lbs. metallic copper) per acre-foot (1.0 ppm metallic copper) (16.7 ppm EarthTec QZ) in the flowing water.

Example Dose Rates for EarthTec QZ in Flowing Waters (LOW DOSE)										
CFS	GAL/MIN	MGD	Desired ppm, EarthTec QZ	Desired ppm, as copper	EarthTec QZ Feed Rate (fluid oz/min)	EarthTec QZ Feed Rate (ml/min)	Desired ppm, EarthTec QZ	Desired ppm, as copper	EarthTec QZ Feed Rate (fluid oz/min)	EarthTec QZ Feed Rate (ml/min)
1	449	0.65	1.0	0.06	0.06	1.70	2.0	0.12	0.11	3.40
5	2244	3.2	1.0	0.06	0.29	8.49	2.0	0.12	0.57	17.0
10	4488	6.5	1.0	0.06	0.57	17.0	2.0	0.12	1.15	34.0
50	22,442	32	1.0	0.06	2.87	84.9	2.0	0.12	5.74	170
100	44,883	65	1.0	0.06	5.74	169.9	2.0	0.12	11.5	340
1000	448,830	646	1.0	0.06	57	1699	2.0	0.12	115	3398

Example Dose Rates for EarthTec QZ in Flowing Waters (MEDIUM AND HIGH DOSES)										
CFS	GAL/MIN	MGD	Desired ppm, EarthTec QZ	Desired ppm, as copper	EarthTec QZ Feed Rate (fluid oz/min)	EarthTec QZ Feed Rate (ml/min)	Desired ppm, EarthTec QZ	Desired ppm, as copper	EarthTec QZ Feed Rate (fluid oz/min)	EarthTec QZ Feed Rate (ml/min)
1	449	0.65	5.0	0.30	0.29	8.49	16.0	0.96	0.92	27.2
5	2244	3.2	5.0	0.30	1.44	42.5	16.0	0.96	4.60	136
10	4488	6.5	5.0	0.30	2.87	84.9	16.0	0.96	9.19	272
50	22,442	32	5.0	0.30	14.4	425	16.0	0.96	46.0	1359
100	44,883	65	5.0	0.30	28.7	849	16.0	0.96	91.9	2718
1000	448,830	646	5.0	0.30	287	8494	16.0	0.96	919	27180

MGD = Million Gallons per Day
CFS = Cubic Feet per Second

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a safe place away from pets and keep out of the reach of children. Store away from excessive heat. Always store above 32 degrees F. Do Not Freeze. Freezing may cause product separation. Always keep container closed. Keep away from galvanized pipe, and any nylon storage or handling equipment.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess 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. In the event of spill, neutralize with limestone or baking soda before disposal. May deteriorate concrete.

CONTAINER HANDLING:

Nonrefillable containers with capacities less than or equal to 5 gallons: Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ 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 2 more times. Offer for recycling if available. If recycling is not available, puncture and dispose of in a sanitary landfill, or by incineration.

Nonrefillable containers with capacities greater than 5 gallons: Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least 1 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 2 more times. Offer for recycling if available. If recycling is not available, puncture and dispose of in a sanitary landfill, or by incineration.

Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use for disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Refillable Containers: Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10% full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure 2 more times. Offer for recycling if available. If recycling is not available, puncture and dispose of in a sanitary landfill, or by incineration.

Tanker trucks: Emptied container retains vapor and product residue. Observe all precautions stated on this label until the container is cleaned, reconditioned, or destroyed. Prior to refilling, inspect carefully for damage such as cracks, punctures, abrasions, and worn-out threads and closures. Clean thoroughly before reuse for transportation of a material of different composition or before retiring this transport vehicle from service

**IMPORTANT READ BEFORE USING
LIMITED WARRANTY AND LIMITATION OF REMEDIES**

Read the entire Directions for Use, Limited Warranty and Limitation of Remedies (including limitations on 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.

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 Earth Science Laboratories, Inc. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.

To the extent consistent with applicable law, seller warrants that the product conforms to the chemical description and is reasonably fit for the purpose stated on the label for use under normal conditions, but makes no other warranties of FITNESS OR MERCHANTABILITY expressed or implied, or any other warranty if the product is used contrary to the label instructions, or under conditions not foreseeable to the seller. To the extent consistent with applicable law, the seller shall not be liable for more than the cost of this product to the buyer and will in no event be liable for any consequential, special, or indirect damages connected with the use or handling of this product. This product is offered and the buyer or user accepts it subject to the foregoing terms which may not be varied. Seller makes no warranty for product which has been frozen.

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