



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

November 4, 2021

Georgia Anastasiou
Agent
Brainerd Chemical Company, Inc.
c/o Lewis & Harrison
2461 S. Clark St., Suite 710
Arlington, VA 22202

Subject: Label Amendment – Minor label Amendments
Product Name: QUAT-G
EPA Registration Number: 8743-18
Received Date: 10/22/2021
Action Case Number/Decision Number: 00332984

Dear Georgia Anastasiou,

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. Pursuant to 40 CFR 156.10(a)(6) you must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. “To distribute or sell” is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the Agency. See FIFRA section 2(p)(2). If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) lists examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process, FIFRA section 12(a)(1)(B). Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Assurance.

Page 2 of 2
EPA Reg. No. 8743-18
Action Case Number/Decision No. 00332984

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact Carlos Corona via email at Corona.Carlos@epa.gov.



Eric Miederhoff
Product Manager 31
Regulatory Management Branch I
Antimicrobials Division (7510P)
Office of Pesticide Programs

Enclosure

ACCEPTED

11/04/2021

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 8743-18

QUAT-G

CONCENTRATED BROAD SPECTRUM DISINFECTANT

ACTIVE INGREDIENTS:

Alkyl (C ₁₄ -50%;C ₁₂ -40%;C ₁₆ -10%) Dimethyl Benzyl Ammonium Chloride.....	17.064%
Didecyl Dimethyl Ammonium Chloride.....	7.800%
Glutaraldehyde.....	10.725%
Other Ingredients.....	<u>64.411%</u>
TOTAL:	100.000%

KEEP OUT OF REACH OF CHILDREN

DANGER/PELIGRO

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.)

[Note to Reviewer: In accordance with 40 CFR 156.68(d), all first aid statements, as prescribed, will appear on the front panel of the product label.]

FIRST AID	
IF IN EYES	Hold eye, open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, and then continue rinsing. Call a poison control center or doctor for treatment advice.
IF ON SKIN	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 INHALED	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.
IF SWALLOWED	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 center or doctor. Do not give anything to an unconscious person.
[For emergency information on [product, use, etc.]. call the National Pesticide Information Center at 1-800-858-7378 to 4:30 PM Pacific time (PT), seven days a week. During other times, call the poison control center at 1-800-222-1222. Have a product label with you when calling the poison control center, doctor, or going for medical treatment.]	
NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage	

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QUAT-G is effective against:

ORGANISMS	DILUTION
Bacteria	
Salmonella enterica (formerly S. choleraesuis)* [ATCC 10708]	1:170
Staphylococcus aureus* [ATCC 6538]	1:170
Campylobacter jejuni**[ATCC33560]	1:256
Klebsiella pneumoniae**[ATCC 13883]	1:256
Listeria monocytogenes*[ATCC 19115]	1:256
Mycoplasma gallisepticum** [ATCC 19610]	1:256
Mycoplasma synoviae** [ATCC 25204]	1:256
Mycoplasma hyopneumoniae*** [ATCC25934]	1:256
Salmonella enterica subspecies enteritidis** [ATCC 13076]	1:256
Salmonella enterica subspecies typhisuis** [ATCC 8321]	1:256
Streptococcus suis** [ATCC 43765]	1:256
Escherichia coli** [ATCC 11229]	1:256
Virus (on hard, non-porous environmental surfaces)	
Porcine circovirus, type II [PCV, PT-1 CELL]**	1:256
Pseudorabies [American BioResearch Laboratories] **	1:256
Porcine Respiratory and Reproductive Syndrome [Arko Laboratories] **	1:256
Avian Reovirus [CRL SPAFAS] **	1:242
Marek's Disease [CRL SPAFAS] **	1:256
Newcastle Disease [CRL SPAFAS] **	1:256
Avian Influenza [Turkey/Wis/66 (H9N2)] **	1:256
Avian influenza Laryngotracheitis [CRL] **	1:256
Infectious Bursal Disease [CRL SPAFAS 2512] **	1:256
Algae and slime forming bacteria in recirculating water cooling systems and evaporative condensers	25 – 50 ppm
*in the presence of 400 ppm AOAC synthetic hard water	
** in the presence of 400 ppm AOAC synthetic hard water in 5% soil load	
*** in the presence of 400 ppm AOAC synthetic hard water and 25% soil load	

APPLICATION:

Use QUAT-G to disinfect hard, non-porous, non-food contact surfaces in farm, animal, and poultry housing facilities and equipment. The product does not disinfect surfaces other than nonporous surfaces and equipment in these facilities.

1. Farm equipment and animal housing building (poultry & turkey grow-out houses, laying houses, swine production and housing, barns and large animal buildings)
2. Hatchers, setters, and chick processing facilities
3. Food processing plants (slaughterhouses)
4. Trucks and other vehicles.

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Cleaning by fogging hatchery rooms, incubators, and hatchers, poultry houses and livestock buildings.

Control of algae and slime forming bacteria in recirculating water cooling systems and evaporative condensers.

DIRECTIONS FOR USE:

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

FOAM CLEANING PRIOR TO DISINFECTION:

Prior to disinfection, QUAT-G may be used to clean food and non- food contact environmental surfaces. QUAT-G may be applied to environmental or equipment surfaces using conventional foam-generation equipment.

FOR TREATMENT OF AVIAN REOVIRUS

Applications should be made by spraying surfaces at a distance of 6-8 inches until thoroughly wet.

DISINFECTION OF HARD, NON-POROUS, NON-FOOD CONTACT SURFACES IN FARMS, ANIMAL, AND POULTRY HOUSING FACILITIES AND EQUIPMENT:

1. Farm Equipment And Animal Housing Buildings (Poultry & Turkey Grows-Out Houses, Laying Houses, Swine Production And Housing, Barns And Large Animal Buildings):

For disinfection of hard, non-porous surfaces: stainless, galvanized and painted steel, copper, aluminum, finished wood, vinyl, plastics, glazed tiles, sealed brick walls, aluminum sandwich panels and feeding/drinking equipment:

- A. Remove all animals and feed from premises, vehicles and enclosures. Remove all litter and manure from floors, walls and surfaces of barns, pens, stalls, chutes, and other facilities and fixtures occupied or traversed by animals. Empty all troughs, racks, and other feeding and watering appliances.
- B. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate all surfaces with the appropriate disinfection solution[†] by using coarse spray, mop, or sponge. Surfaces must remain visibly wet for 10 minutes.
- C. Ventilate buildings and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed or dried.
- D. Thoroughly scrub treated feed racks, troughs, and other feeding and water appliances with soap or detergent and rinse with potable water before reuse

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- E. Disinfection of equipment: Immerse all previously cleaned halters, ropes, and other types of restraining equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure in the appropriated disinfection solution for 10 minutes. Allow to air dry.
- F. Fresh disinfection solution must be made daily or if visibly soiled.

2. Hatcheries:

Remove all animals from the area. Thoroughly clean all surfaces (hatchers, setters, trays, racks, carts, sexing tables, chick boxes, cages) with soap or detergent, and then rinse with water. Saturate all surfaces with the appropriate disinfection solution[†] by using a coarse spray, mop, or sponge. Surfaces must remain visibly wet for 10 minutes. Do not house animals or employ equipment until surfaces have been absorbed or dried. Fresh disinfection solution must be made daily or if visibly soiled.

3. Food processing plants (Including Chicken Processing Facilities):

Before using this product, all food products and packaging materials must be removed from the room or carefully protected. Thoroughly clean all surfaces with soap or detergent, then rinse with water. Disinfect hard, non-porous surfaces by applying the appropriate solution[†] with a coarse spray, mop, or sponge. All surfaces must remain thoroughly visibly wet for 10 minutes. Allow to air dry. A potable water rinse is required for all surface that come in contact with food.

4. Trucks and other vehicles:

Clean all vehicles including mats, crates, cabs, and wheels with high-pressure water. Use the appropriate disinfection solution[†] to treat all vehicles. Allow all treated surfaces exposed to disinfection solution to remain visibly wet for 10 minutes. Allow to air dry.

Preparation table:

Dilution	Preparation Method
1:170	0.75 fluid ounce per gallon of water
1:242	0.55 fluid ounce per gallon of water
1:256	0.50 fluid ounce per gallon of water

[†]See organism and preparation table to determine the appropriate solution

Fogging to clean hatchery rooms, incubators and hatchers, poultry house and livestock buildings: All surfaces must be cleaned and disinfected in accordance with label directions prior to fogging. Remove all animal and feed from premises, vehicles and enclosures. Remove all litter and manure from floors, walls and surfaces of barns, pens, stalls, chutes, and other

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facilities and fixtures occupied or traversed by animals. Empty all troughs, racks, and other feeding and water appliance.

To clear by fogging, close room off so fog is confined to the room being treated. Hatchery ventilation system must remain on during fogging. Wear a proper respirator in accordance with PPE indicated in the Precautionary Statements when mixing the use solution and pouring into the fogging apparatus.

A. For cleaning hatchery rooms:

Vacate all personnel from hatchery room to be fogged. Close room off so fog is confined to room to be treated. Prepare a stock solution of one (1) part QUAT-G to forty-two (42) parts water (3 fluid ounces QUAT-G to 125 fluid ounce water). Insert the nozzle of the fogging device through a suitable opening in the room. With the setting on maximum output, fog 3.8 fluid ounces per 10,000 cubic feet for the designated fogging time in the table below. Do not allow people to breathe or contact the fog or to enter the room until the fog has completely settled or exhausted.

NOTE: Re-entry intervals (REI) and personnel protection equipment (PPE) are determined by the following hatchery room air exchanges rates (ACH) per hour. Under no circumstances must the hatchery room be entered by unprotected persons before the listed re-entry intervals. If hatchery room must be entered, before the listed re-entry intervals, the individuals entering the room must wear a long sleeve shirt and pants in addition to a proper respirator in accordance with PPE indicated in the Precautionary Statements.

ACH table:

Hatchery Rooms/Incubators/Hatchers	Fogging Time	Re-entry-Intervals (REI)	PPE Required
8 air exchanges/ hour	5 minutes	25 min	None required
12 air exchanges/hour	7.5 minutes	15 minutes	None required
16 air exchanges/hour	10 minutes	10 minutes	None required
20 air exchanges/hour	12.5 minutes	10 minutes	None required
24 air exchanges/hour	15 minutes	10 minutes	None required

B. For cleaning incubators and hatchers:

Remove poultry, chicks and eggs prior to treatment of setters and hatchers. Not for treatment of hatchers which contain chicks or eggs.

Prepare a stock of one (1) part of QUAT-G to forty-two (42) parts water (3 fluid ounces QUAT-G to 125 fluid ounces water. Fog at a rate of 3.8 ounces /10,000 cubic feet for fogging times specified in table

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above into setters and hatchers immediately after transfer. Repeat daily. Discontinue hatcher treatments approximately 24 hours before pulling the hatch. Do not allow people to contact or breathe this fog and do not enter Machines until the fog has exhausted. To do this, install permanent fogging nozzle in setters and hatchers and use an air compressor to disperse the solution as a fog. It is also satisfactory to fog setters and hatchers with a 1: 1000 solution of QUAT-G. If this is done, fog for 30-90 seconds once per hour or once every two hours.

C. For cleaning poultry house and livestock buildings:

After the house has been depopulated and cleaned as in 1. A to F under “Disinfection of non-food surfaces, farm, animal, and poultry housing facilities and equipment” double check to be sure all people, poultry, livestock and pets have vacated the building. Close all windows, doors, curtains, etc. making the house as closed as tight as possible.

Prepare a stock solution of one (1) part QUAT-G to four (4) parts water (25 fluid ounces QUAT-G to 100 fluid ounce water).

Insert the nozzle of the fogging device through a suitable opening in the room. With the setting on maximum output, for 125 fluid ounces for each 1000 cubic yard. Place the fogger just inside the door of the building to be treated, or insert nozzle of the fogger through a suitable opening in the door or building. The opening must be just large enough to accommodate the nozzle.

After fogging, the building must be kept closed for twenty-four hours. After twenty-four hours, open the house and air for a minimum of twenty-four hours before it is repopulated with poultry or livestock.

Note: The generated fog is very irritating to eyes, skin and mucous membranes. Under no circumstance should a room or building be entered by anyone until the fog has completed settled. A re-entry time 2 hours is required after the actual fogging. If the building or room must be entered, then the individuals entering the building or room must wear a proper respirator in accordance with PPE indicated in the Precautionary Statements, goggles, long sleeved shirt and pants. If feeders and waterers were not removed from the premise during treatment, or were not adequately covered to prevent contact with treatment, they must be washed with detergent and water before use for poultry or livestock.

Control of algae and slime forming bacteria in recirculating water cooling systems and evaporative condensers:

- A. QUAT-G must be added in the system directly at a point where uniform mixing and even distribution will occur. Do not mix with any other chemicals or additives.
- B. Severely fouled systems must be chemically and/or manually cleaned before adding QUAT-G treatment. If algae/slime growth is absent or minimal, proceed with the initial dose.
- C. **Initial Dose:** 2.5 fluid ounces of QUAT-G per 100 gallon of water (50 ppm) in the system. Repeat treatment until algae/slime growth is controlled.

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D. **Maintenance Dose:** After algae control is evident/achieved, apply 1.25 fluid ounces of QUAT-G per 100 gallon of water (25 ppm) in the system every 7 days (weekly). Repeat treatment as needed to maintain algae/slime control.

STORAGE AND DISPOSAL:

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

Storage: Store in a cool, dry place in tightly closed container away from children. Avoid temperatures below 23°F and above 113°F.

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 representatives at the nearest EPA Regional Office for guidance.

Container Handling: Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. {Insert application triple rinse instruction for container size below} Recycle container, if available, or dispose of in a sanitary landfill.

{For containers equal to or less than 5 gallon}

Triple rinse as follow: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow being 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 dip. Repeat this procedure two more times. (For containers greater than 5 gallons)

Triple rinse as follows: Empty remaining contents into application equipment o 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 one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Empty rinsate into application equipment or mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

PRECAUTIONARY STAEMENTS:

Hazards to humans and domestic animals

DANGER. Corrosive. Causes irreversible eye damage and skin burns. May be fatal if inhaled or absorbed through skin. Harmful if swallowed. Do not get in eyes, on skin, or on clothing. Do not breathe vapor or spray mist. Wear goggles or face shield, long-sleeve shirt, long pants, shoes, socks, chemical-resistant gloves, chemical-resistant apron. Wear a minimum of a NIOSH approved particulate filtering facepiece respirator with any N, R, or P filter; OR a NIOSH-approved elastomeric particulate respirator with any N, R, or P filter; OR a NIOSH approved powered air purifying respirator with HE filter. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse. Prolonged or repeated skin contact may cause allergic reactions in some individuals.

ENVIRONMENTAL HAZARDS:

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This pesticide is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirement of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product into sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact our State Water Board or Regional Office to the EPA

LIMITED WARRANTY AND DISCLAIMER:

The manufacturer warrants (a) that this product conforms to the chemical description on the label; (b) that this product is a reasonable fit for the purpose set forth in the direction for use when it is used in accordance with such directions; and (c) that the directions, warning and other statements on this label are based upon responsible expert's evaluation of reasonable tests of effectiveness and of toxicity to laboratory animals. Test have not been made on all varieties, in all states, or under all conditions. The manufacturer neither makes nor intends, nor does it authorize any agent or representative to make, any other warranties, expressed or implied, and it expressly excludes and disclaims all implied warranties or merchantability and fitness for particular purpose. This warranty does not extend to, and the buyer shall be solely responsible for, any and all loss or damage which from the use of this product in any manner which is inconsistent with the label directions, warning or cautions. Buyer's exclusive remedy and manufacturer's or seller's exclusive liability for any and all claims, losses, damages, or injuries resulting from the use or handling of this product , whether or not such liability is based in the contract, negligence, strict liability in tort of otherwise, shall be respect to which damage are claimed.

EPA Reg. No. : 8743-18

EPA Est. No.:

Batch No.:

Expiry Date:

Net Contents:

[net contents will appear on front panel ; registration numbers, batch no. and expiry date may appear on any panel]

Produced by:

Brainerd Chemical Company, Inc.

PO Box 470010

Tulsa, OK 74147

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