



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

August 30, 2023

Lawrence A. Miller
Agent
Aquatrols Corporation of America
c/o Biologic Regulatory Consulting, Inc.
10529 Heritage Bay Blvd.
Naples, FL 34120

Subject: Notification per PRN 98-10 – Adding optional marketing graphics
Product Name: Aquatrols Paclobutrazol
EPA Registration Number: 94396-30
Application Date: 04/04/2022
Decision Number: 584441

Dear Lawrence Miller:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped “NOTIFICATION” and placed in our records.

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 the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and is subject to review by the Agency. 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. 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 Compliance.

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If you have any questions, please contact Thomas Harty at 202-566-0394 or at harty.thomas@epa.gov.

Sincerely,

A handwritten signature in cursive script that reads "Kristy Crews".

Kristy Crews, Ph.D., Product Manager 22
Fungicide Branch, Registration Division (7505T)
Office of Pesticide Programs
U.S. Environmental Protection Agency

Enclosure- Stamped Label

[Note to Reviewer: Bracketed language and graphics are optional]

NOTIFICATION

94396-30

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

08/30/2023

[ROOM FOR ARTWORK]

Aquatrols Paclobutrazol

[ABN: GRIFFIN UNITECH]

Controls vertical growth, improves turf density and quality, and playability of turfgrasses.

ACTIVE INGREDIENTS:

Paclobutrazol

(±)-(R*,R*)-beta-[(4-chlorophenyl)methyl]-alpha-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol.....22.00%

OTHER INGREDIENTS:78.00%

TOTAL:100.00%

Equivalent to 2 pounds Paclobutrazol per gallon.

For use by individuals/firms licensed or registered by the state to apply turf pest control products.

KEEP OUT OF REACH OF CHILDREN

CAUTION

WHERE TO USE: Turfgrass use locations include golf courses, commercial properties, parks, cemeteries, other non-residential turfgrass locations. **DO NOT** use Aquatrols Paclobutrazol on residential turfgrass. Turfgrass varieties that may be treated include cool-season and some warm-season grasses listed on this label. See label for directions for use.

WHEN TO USE: Aquatrols Paclobutrazol may be utilized at any period through the growing season but is most beneficial during periods of rapid vertical growth. Aquatrols Paclobutrazol can also be applied to suppress *Poa annua*.

[Optional referral statements when booklets and container labels are used:]

[See [side] [back] [panel] [label booklet] for [complete] [additional] [First Aid,] [Precautionary Statements,]

[Directions For Use,] and [Storage and Disposal.]

Net Contents: _____ Gallons

EPA Reg. No. 94396-30

EPA Est. No. XXXXX-XX-XXX

Aquatrols Corporation of America

1273 Imperial Way

Paulsboro, NJ 08066

[1-800-257-7797]

[Aquatrols.com]

[Note to Reviewer: Bracketed language and graphics are optional]

FIRST AID	
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 a poison control center or doctor. • DO NOT give anything by mouth to an unconscious person.
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 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.
Have the product container or label with you when calling a poison control center or doctor, or when going for treatment.	
HOTLINE NUMBER	
For chemical emergency spill, leak, fire, exposure or accident, call CHEMTEL day or night. Domestic North America 800-255-3924. International call 813-248-0585 (collect calls accepted). You may also call the poison control center at 1-800-222-1222.	

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

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

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of barrier laminate, butyl rubber \geq 14 mils, nitrile rubber \geq 14 mils, neoprene rubber \geq 14 mils, polyvinyl chloride \geq 14 mils, or viton \geq 14 mils
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

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

DO NOT apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. **DO NOT** contaminate water by cleaning of equipment or disposal of equipment washwaters or rinsate.

PHYSICAL AND CHEMICAL HAZARDS

DO NOT use or store near heat or open flame. **DO NOT** mix or allow contact with oxidizing agents, as a hazardous chemical reaction may occur.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. This labeling must be in the user's possession during application. Read the entire **Directions For Use** and **Conditions of Sale** 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.

Follow directions for use on this label and all the precautions and limitations of the package label.

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), restricted-entry interval, and notification to workers. 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
- Chemical-resistant gloves made of barrier laminate, butyl rubber \geq 14 mils, nitrile rubber \geq 14 mils, neoprene rubber \geq 14 mils, polyvinyl chloride \geq 14 mils, or viton \geq 14 mils
- Shoes plus socks

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 treated areas until sprays have dried.

TURFGRASS APPLICATION INFORMATION

Aquatrols Paclobutrazol is a systemic plant growth regulator for non-residential turfgrass that slows turfgrass growth for up to two months after application. The frequency of mowing can be reduced by up to 50% during the period of effective growth regulation. Use of Aquatrols Paclobutrazol on fine turf should be accompanied by moderate-to-high fertility to maintain turfgrass appearance and reduce discoloration. Growth and development of some grasses (e.g. *Poa annua*) can be significantly reduced, leading to selective control after prolonged use in mixed populations.

Benefits of Using Aquatrols Paclobutrazol on Turfgrass

- Slowed vertical growth and reduced mowing for 6 to 8 weeks on established hybrid bermudagrass, bentgrass and perennial ryegrass fairways, tees, and roughs, and on St. Augustine Grass and Kentucky bluegrass/perennial ryegrass turf areas (use reduced rates on bentgrass and overseeded bermudagrass greens).
- Improved and extended fertilizer performance for up to 12 weeks when combined with a nitrogen fertilizer; improved turfgrass quality versus fertilizer alone.
- Increased greening and turf density which may persist up to 12 weeks.
- Reduced potential for scalping of all turfgrass areas.

[Note to Reviewer: Bracketed language and graphics are optional]

- Better ball playability on hybrid bermudagrass due to increased turf density and tighter-knit turf areas.
- Suppression of *Poa annua* by reducing its growth and competitive ability.

When to Use for Growth Suppression of Warm-Season Grasses

Use anytime when established hybrid bermudagrass and St. Augustine Grass are green, actively growing and have recovered from dormancy (filled in fully following winter).

When to Use for Growth Suppression of Cool-Season Grasses

Apply in spring after green-up and after turf has been mowed once or twice. Apply at least 1 month before onset of high air temperatures. In late summer/early fall, apply at least 1 month before anticipated first killing frost.

When to Use for *Poa annua* Suppression

Apply when the *Poa annua* is actively growing. In moderate climates, the application timing may be fall through late spring. In northern climates, spring and fall timings are recommended. In climates with a prolonged winter dormancy, fall applications can be made up to one month prior to anticipated first killing frost. Repeat application should be made as part of a *Poa annua* suppression program.

When to Use for Color and Quality Enhancement of Winter Overseeded Turf and *Poa annua* Suppression

Apply any time after overseeded turf has successfully established itself (cool-season turf species should be near 85% of turf composition). **DO NOT** apply after March 15th to putting greens to avoid delay in bermudagrass green-up. Moderate soil moisture conditions should be present before and after application to achieve the best regulating effect.

Use Precautions

- Delay sprigging for at least 4 weeks and sodding at least 2 weeks after application is made.
- Withhold application on large turf areas that have been thinned from winter damage, disease, or insects until desired fill-in is achieved.
- Delay treatment of newly-sodded or sprigged turf until grass has knitted down and rooted firmly.
- Ensure that dosage rates are measured accurately since rates greater than the maximum rates listed in this label may cause undesirable turf growth control and may discolor areas temporarily.
- Shake container thoroughly before use.
- For best residual activity, Aquatrols Paclobutrazol should be removed from leaf surfaces by irrigation or rainfall prior to mowing.
- Broadleaf weeds are not significantly affected by Aquatrols Paclobutrazol. To control the growth of weeds, treat with an appropriate herbicide when weeds are actively growing. Carefully follow label directions.
- After Aquatrols Paclobutrazol application, water in, but not to the point of runoff, prior to rain or within 24 hours to limit surface movement. To prevent product runoff, time applications to allow watering-in and maximum absorption into turf prior to a rain event.

Use Restrictions

- **DO NOT** use on residential lawns or around any preschool or day care facility.
- **DO NOT** apply Aquatrols Paclobutrazol to turf within rights-of-way.
- **DO NOT** use on bermudagrass putting greens except for winter overseeding enhancement use.
- **DO NOT** use on athletic fields under heavy traffic where maximum growth potential of turf is desired.
- **DO NOT** use on shrubs, flowers, fruits, or vegetable plants (applications to turf areas under trees will not affect/ harm trees).

[Note to Reviewer: Bracketed language and graphics are optional]

- **DO NOT** use during periods of extremely dry or cold weather conditions, or during heavy insect or disease activity.
- **DO NOT** apply product when soil is already saturated. Heavy rainfall or irrigation in the treated areas may cause active ingredient to move laterally on slopes and collect in low areas. These areas may undergo more severe growth control for a longer period of time.
- **DO NOT** use on areas containing greater than 70% *Poa annua*, since discoloration of *Poa annua* may be unacceptable.
- **DO NOT** apply this product through any type of irrigation equipment.
- **DO NOT** use on areas to be cultivated for food or feed crops or to be resown with grasses within two years of treatment.
- **DO NOT** apply more than 4 qt. per acre per year (2 lb. a.i./A).
- **DO NOT** graze treated areas or harvest for forage or hay.

Turf Application Rates

Apply treatment solution uniformly to turf. **DO NOT** use on residential turf. To promote uniform distribution, tank mix with Aquatrols soil surfactants. Apply 0.25 inch of water within 24 hours after application to remove product from foliage and into soil.

Thoroughly clean spray equipment before using this product. Apply with standard pressurized spray application equipment with by-pass or mechanical agitation using strainer screens of 50 (or coarser) mesh. Shake the container well before adding to the spray mix. Product should be added during filling of applicator tank. When tank is allowed to stand, vigorous agitation should be used to ensure material suspension before application. When the last of the contents of a container is used, thoroughly rinse the container according to the directions in the Storage and Disposal section, and pour the rinsate into spray tank.

Apply Aquatrols Paclobutrazol to turf in sufficient amount of water (minimum 1 gallon treatment solution per 1000 ft² = 43.5 gal/A) to ensure uniform coverage. For best results, use 2 - 3 gallons of water per 1000 ft². A spray pattern indicator or other marking device is advised to avoid skipping and/or overlapping. Overlap may cause suppressed growth beyond desired levels.

Treatment Coverage Chart*

Rate of Active Ingredient (lb ai/A)	Fluid Ounces of Product (fl oz/A)
0.10 lb. a.i./A	6.4
0.16 lb. a.i./A	10.0
0.25 lb. a.i./A	16.0
0.50 lb. a.i./A	32.0
0.75 lb. a.i./A	48.0

*Product must be mixed with minimum 1 gallon of water/1000 ft². Use 2 - 3 gal/1000 ft² for best results.

Specific Rates (fl oz/A)

Warm-Season Grasses	Cool-Season Grasses* (except putting greens)	Bentgrass Putting Greens	Overseeded Bermudagrass
Sandy Soils 32.0 fl oz/A (0.50 lb a.i./A)	16.0 – 32.0 fl oz/A (0.25-0.50 lb a.i./A)	6.4 – 16.0 fl oz/A (0.10-0.25 lb a.i./A)	6.4 – 10.0 fl oz/A (0.10-0.16 lb a.i./A)
Clay Soils 48.0 fl oz/A (0.75 lb a.i./A)			

* Reduce application rate by 50% if *Poa annua* is a significant portion of turfgrass population (greater than 50%).

[Note to Reviewer: Bracketed language and graphics are optional]

Apply 0.5 to 0.9 lb. nitrogen/1000 ft² of a non-burning fertilizer product on warm and cool-season grasses. Apply 0.25 to 0.5 lb. nitrogen/1000 ft² on bentgrass greens and overseeded bermudagrass.

Tank Mixing

Aquatrols Paclobutrazol can be safely applied in a tank mix with a range of commonly used chemicals and fertilizers including Aquatrols soil surfactants. Tank mix combinations containing Aquatrols Paclobutrazol have not been tested on all varieties of every species or under all possible growing conditions. If a user is unfamiliar with the performance of Aquatrols Paclobutrazol in tank mixes under the user's growing conditions, a limited area should be tested prior to large-scale application. The user should always exercise reasonable judgment and caution when using this and all other products. When applicators are selecting a new tank mix combination with Aquatrols Paclobutrazol, Aquatrols recommends a jar test be conducted to determine compatibility prior to large volume tank mixing.

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

Results to Expect from Application of Aquatrols Paclobutrazol

When applied as directed, vertical growth of turf will be slowed within 3-10 days, resulting in reduced mowing frequency for a 6 – 8 week period. Following applications, turf will gradually undergo increased greening and density, which may persist up to 12 weeks.

Following application of product, weed populations should not be any greater than on untreated turf, although weed visibility may be higher on regulated turf.

Growth and competitive ability of *Poa annua* will be reduced within 1 to 2 weeks after application; regulation will last 3 to 8 weeks. Turfgrass shoots and leaves will become discolored for 3 to 8 weeks following onset of growth regulation. With proper fertilization, desired turfgrasses will be stimulated to crowd out weakened *Poa annua*.

As density of treated fairways increases due to altered growth habits, ball playability may improve, causing ball to sit higher on turf. This result is most evident on hybrid bermudagrass.

Seedhead formation will not be prevented. Seedheads should be mowed off as they grow above turf cutting height to maintain a desirable-looking turf.

Excessive irrigation and/or nitrogen fertilization may shorten period of growth regulation.

Regulator response will vary somewhat according to turf variety. For St. Augustine Grass, Bitter Blue will be the most responsive and Floratam the least responsive.

Hybrid Bermudagrass

Cultivar	Sensitivity/Activity	Period of Growth Regulation	Period of Color Response
Tifway I, II	Medium/Good	5 - 6 weeks	6 - 8 weeks
Tifgreen	High/Excellent	6 - 8 weeks	8 - 10 weeks
Ormond	High/Excellent	6 - 8 weeks	8 - 10 weeks

[Note to Reviewer: Bracketed language and graphics are optional]

St. Augustine Grass

Cultivar	Sensitivity/Activity	Period of Growth Regulation	Period of Color Response
Floritam	Low/Moderate	4 – 6 weeks	5 - 8 weeks
Floralawn	Low/Moderate	4 – 6 weeks	5 - 8 weeks
Floratine	Medium/Good	6 - 7 weeks	7 - 8 weeks
Raleigh, Texas Common	Medium/Good	6 - 7 weeks	7 - 8 weeks
Bitter Blue, Seville	High/Excellent	7 - 8 weeks	8 - 10 weeks

Program Scheduling

If crabgrass or other annual grassy weeds have been a problem in the past, an application of the appropriate preemergence weed control product should be made before the use of Aquatrols Paclobutrazol. Space applications of Aquatrols Paclobutrazol and oxadiazon preemergence products at least 4 weeks apart on putting greens.

If a weed, disease or insect problem occurs after application of Aquatrols Paclobutrazol, apply an appropriate control product at its recommended rate. Aquatrols Paclobutrazol is compatible with most existing control products. Use of Aquatrols Paclobutrazol in combination with fungicides containing propiconazole, fenarimol, triadimefon, and myclobutanil can result in increased growth inhibition of *Poa annua* on putting greens.

For Growth Regulation

Repeat applications can be made within the same growing season as long as the turf is actively growing. Turfgrass species and growth rate will dictate rate and timing of applications. **DO NOT** apply more than 4 quarts per acre per year (2 lb. a.i./A).

For *Poa annua* Suppression

Aquatrols Paclobutrazol will suppress the growth and competitive ability of *Poa annua*. Apply when *Poa annua* is actively growing at 16 - 32 ounces per acre. Lower rates and more frequent applications can be made if *Poa annua* discoloration cannot be tolerated. However, only moderate *Poa annua* suppression may be achieved. **DO NOT** apply more than 4 quarts per acre per year (2 lb. a.i./A).

For Color, Quality Enhancement, and *Poa annua* Suppression in Overseeding

On bentgrass greens and overseeded bermudagrass, repeat applications can be made as long as the turf is actively growing. **DO NOT** apply more than 4 quarts per acre per year (2 lb. a.i./A). Apply to overseeded turf when seed has established, and turf composition is near 85% of the cool-season species.

DO NOT apply to overseeded bermudagrass greens after March 15th to avoid delay of spring green-up of dwarf- type bermudagrass.

DO NOT aerify or topdress and drag greens with steel mats while under growth regulation.

DO NOT seed within 6 weeks prior to or 2 weeks after application of Aquatrols Paclobutrazol.

DO NOT apply until at least 14 days after an application of diethanolamine salt of mefluidide.

[Note to Reviewer: Bracketed language and graphics are optional]

STORAGE AND DISPOSAL

DO NOT contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE: Keep container closed when not in use. **DO NOT** store near food or feed. Protect from freezing. In case of spill or leak on floor or paved surfaces, soak up with sand, earth or synthetic absorbent. Remove to chemical waste area.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. 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 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 mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or mix tank or store rinsate for later use and disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

Nonrefillable container greater than 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 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 if available or puncture and dispose of in a sanitary landfill, or by incineration.

IMPORTANT INFORMATION

READ BEFORE USING PRODUCT

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If the terms are not acceptable, **DO NOT** use the product and instead, return the unopened product container immediately. By using this product, you accept the following Conditions, Disclaimer of Warranties and Limitation of Liability.

For technical information, contact Aquatrols Corporation at 800-257-7797. Information regarding the contents and levels of metals in this product is available on the internet at www.aapfco.org/metals.html

CONDITIONS: The directions for use on this label are believed to be reliable and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Insufficient performance or injury to the crop to which the product is applied may result from the occurrence of extraordinary or unusual weather conditions, the failure to follow the label directions or good application practices, all of which are beyond the control of Aquatrols Corporation. In addition, failure to follow label directions may cause poor performance, injury to crop, animals, humans, or the environment. You assumed all such risks by using this product.

DISCLAIMER OF WARRANTIES: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, AQUATROLS CORPORATION MAKES NO OTHER WARRANTIES OR REPRESENTATIONS OF ANY KIND, EXPRESSED OR IMPLIED, CONCERNING THE PRODUCT, INCLUDING NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL AND NO SUCH WARRANTY SHALL BE IMPLIED

[Note to Reviewer: Bracketed language and graphics are optional]

BY LAW. No agent of Aquatrols Corporation is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, Aquatrols Corporation disclaims any and all claims are waived of any liability whatsoever for special, incidental or consequential damages or expense of any nature, including, but not limited to, loss of profit or income, resulting from the use or handling of this product.

LIMITATION OF LIABILITY: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, the remedy for any losses or cause of action relating to injuries, damages or the handling or use of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid or, at Aquatrols Corporation's election, the replacement of the product. Aquatrols shall not be liable and any and all claims against Aquatrols are waived for special, indirect, incidental or consequential damages or expense of any nature, including, but not limited to, loss of profit or income.

[Optional Marketing Claims

- Slows grass growth for up to two months after application.
- The frequency of mowing can be reduced by up to 50% during the period of effective retardation
- Growth and development of some grasses (e.g., *Poa annua*) can be significantly reduced, leading to selective control after prolonged use in mixed populations.
- Slowed vertical growth and reduced mowing for 6 to 8 weeks on established hybrid bermudagrass, bentgrass and perennial ryegrass fairways, tees, and roughs, and on St. Augustinegrass and Kentucky bluegrass/perennial ryegrass turf areas.
- Improved and extended fertilizer performance for up to 12 weeks when combined with a nitrogen fertilizer while improving turfgrass quality versus fertilizer alone.
- Reduced potential for scalping of all turfgrass areas.
- Better ball playability on hybrid bermudagrass due to increased turf density and tighter-knit turf areas.
- Suppression of *Poa annua* by reducing its growth and competitive ability.
- Vertical growth of turf will be slowed within 3-10 days, resulting in reduced mowing frequency for a 6- to 8-week period.
- Turf will gradually undergo increased greening and density, which may persist up to 12 weeks.
- Following application of product, weed populations should not be any greater than on untreated turf, although weed visibility may be higher on regulated turf.
- Growth and competitive ability of *Poa annua* will be reduced within 1 to 2 weeks after application; regulation will last 3 to 8 weeks.
- As density of treated fairways increases due to altered growth habit, ball playability may improve, causing ball to sit higher on turf. This result is most evident on hybrid bermudagrass.
- Fewer mowings as a result of Aquatrols Paclobutrazol applications will keep contact and systemic products at effective concentrations longer.]

[OPTIONAL ARTWORK]



[Note to Reviewer: Bracketed language and graphics are optional]

