



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

October 14, 2016

Tyler VanScoy
Regulatory Specialist
United Phosphorus, Inc.
630 Freedom Business Center, Suite 402
King of Prussia, PA 19406

Subject: PRIA Label Amendment – Removal of Livestock Watering Restrictions
Product Name: AQUATHOL SUPER K GRANULAR AQUATIC HERBICIDE
EPA Registration Number: 70506-191
Application Date: 6/20/2014
Decision Number: 492476

Dear Mr. VanScoy:

The application referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable under FIFRA Section 3(c)(7)(B), subject to the following conditions:

1. You must submit and/or cite all data required for registration/reregistration/registration review of your product under FIFRA when the Agency requires all registrants of similar products to submit such data.
2. Be aware that proposed data requirements have been identified in a Work Plan. For more information on these proposed data requirements, you may contact the Chemical Review Manager in the Pesticide Reevaluation Division:
<http://iaspub.epa.gov/apex/pesticides/f?p=chemicalsearch:1>

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one (1) 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 the Federal Insecticide Fungicide and Rodenticide Act 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) list 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.

Your release for shipment of the product constitutes acceptance of these conditions. If you fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under FIFRA section 6(e). If you have any questions, please contact Sarah Meadows by phone at 703-347-0505, or via email at meadows.sarah@epa.gov.

Sincerely,

A handwritten signature in dark ink, appearing to read 'D. Kenny', with a long horizontal flourish extending to the right.

Daniel Kenny, Chief
Herbicide Branch
Registration Division (7505P)
Office of Pesticide Programs

Enclosure

AQUATHOL® SUPER K

GRANULAR AQUATIC HERBICIDE

For aquatic plant control in quiescent, slow moving, and flowing water aquatic sites.

ACCEPTED

10/14/2016

Under the Federal Insecticide, Fungicide
and Rodenticide Act as amended, for the
pesticide registered under
EPA Reg. No. 70506-191

ACTIVE INGREDIENT:

Dipotassium salt of endothall*..... 63.0%

OTHER INGREDIENTS:..... 37.0%

TOTAL..... 100.0%

*7-oxabicyclo [2.2.1]heptane-2,3-dicarboxylic acid equivalent 44.7%

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.)

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, then continue rinsing.
- Call a poison control center or doctor for 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 by a poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

IF ON SKIN OR CLOTHING:

- 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.

HOT LINE NUMBER: Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 866-673-6671 (Rocky Mountain Poison Control Center) for emergency medical treatment information.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

EPA Registration No. 70506-191

EPA Establishment No. _____

Batch/Lot No. _____

Net Weight: _____

United Phosphorus, Inc.

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King of Prussia, PA 19406

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER

CORROSIVE. CAUSES IRREVERSIBLE EYE DAMAGE. MAY BE FATAL IF SWALLOWED. HARMFUL IF ABSORBED THROUGH THE SKIN. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING.

Personal Protective Equipment (PPE)

Mixers, loaders, applicators and other handlers must wear:

- Long-sleeved shirt and long pants,
- Socks and shoes,
- Chemical resistant gloves,
- Protective eyewear,
- NIOSH-approved half- or full-face respirator with a cartridge or canister approved for dusts and mists or a cartridge with any N, R, P, or HE filter. Note: the quarter-face cupstyle respirator does not meet this requirement.

Exception: During application, the respirator need not be worn, *provided* that the pesticide is applied in a manner (such as direct metering or subsurface applications from the rear of a vessel that is moving into the wind) that the applicator will have no contact with the pesticide.

See Engineering Controls for additional requirements.

User Safety Requirements:

Follow the manufacturers' instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

Engineering Controls:

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.

Pilots must use an enclosed cockpit that meets the requirements listed in the WPS for agricultural pesticides [40CFR170.240(d)(6)]. Exception: Enclosed cockpit is not required when applications are made from a helicopter utilizing a suspended hopper (minimum distance of 25') with remote actuation of the application equipment such as the helicopter mounted Simplex Spreader.

User Safety Recommendations

Users should:

- Wash hands thoroughly 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.

ENVIRONMENTAL HAZARDS

Do not contaminate water by cleaning of equipment or disposal of equipment washwaters. This pesticide is toxic to mammals.

Treatment of aquatic plants can result in oxygen loss from decomposition of dead plants. This loss can cause fish suffocation. Water bodies containing very high plant density should be treated in sections to prevent suffocation of fish.

PRODUCT INFORMATION

Aquathol Super K is a granular aquatic herbicide which is effective against a broad range of aquatic plants. Dosage rates indicated for the application of Aquathol Super K are measured in parts per million (ppm) of dipotassium endothall.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift.

- When used as directed, phytotoxicity is not expected on plants or crops irrigated with Aquathol Super K treated water, however, all species and cultivars (varieties) have not been tested.
- Do not use Aquathol Super K treated water for chemigation as interactions between Aquathol Super K and other pesticides and fertilizers are not known.
- Contact with desirable plants or crops may result in injury.
- Do not use Aquathol Super K in brackish or saltwater.
- Contact of granules directly or by drift with non-target plants or crops may result in injury.
- United Phosphorus, Inc. recommends not reducing Aquathol Super K rates below those specified within this label, when using Aquathol Super K in a treatment combination with product(s) containing ALS inhibitor active ingredients, unless specified otherwise on this label or a United Phosphorus, Inc. supplemental label.

HOW TO APPLY:

Aquathol Super K is a contact herbicide; consequently, apply when target plants are present. Apply Aquathol Super K as evenly as possible over areas to be treated.

Drinking Water (Potable Water)

Consult with appropriate state or local water authorities before applying this product to public waters. State or local agencies may require permits

The drinking water (potable water) restrictions on this label are to ensure that consumption of water by the public is allowed only when the concentration of endothall acid in the water is less than the MCL (Maximum Contamination Level) of 0.1 ppm. Applicators must consider the unique characteristics of the treated waters to assure that endothall acid concentrations in potable drinking water do not exceed 0.1 ppm at the time of consumption.

For Lakes, Ponds, and other Quiescent Water Bodies:

- For Aquathol Super K applications, the drinking water setback distance from functioning potable water intakes in the treated water body must be greater than or equal to 600 feet.
- Note: Existing potable water intakes that are no longer in use, such as those replaced by a connection to a municipal water system or a potable water well, are not considered to be functioning potable water intakes.

For Flowing Water Bodies:

- Applicator is responsible to assure that treated water exceeding the MCL of 0.1 ppm does not enter potable water intakes. For Aquathol Super K applications, potable water intakes must be closed when treated water exceeding the MCL of 0.1 ppm is present at the intake. In the event the water intake cannot be closed (when treated water will exceed 0.1 ppm), treatments must only be made downstream from the intake in order to assure Aquathol Super K treated water above 0.1 ppm does not enter the potable water system.

QUIESCENT, SLOW MOVING OR FLOWING WATER TREATMENTS

Aquathol Super K is labeled for the control of the aquatic plants listed in the chart below at the rates indicated.

Use higher labeled rates of Aquathol Super K when making treatments to small areas with an increased potential for rapid dilution or when treating narrow areas such as for boat lanes or shoreline treatments where dilution may reduce the exposure of plants to the herbicide.

Use lower labeled rates of Aquathol Super K for large contiguous treatment blocks or in protected areas such as coves where reduced water movement will not result in rapid dilution of Aquathol Super K from the target treatment area or when treating entire lakes or ponds.

PLANTS CONTROLLED AND AQUATHOL SUPER K DOSAGE RATES FOR APPLICATIONS TO QUIESCENT, SLOW MOVING, OR FLOWING WATER

Aquatic Plant	APPLICATION RATE			
	Entire Pond/Lake or Large Area Treatment		Spot or Lake Margin Treatment	
	ppm Dipotassium Endothall	lbs. Aquathol Super K per Acre Ft.	ppm Dipotassium Endothall	lbs. Aquathol Super K per Acre Ft.
Coontail, <i>Ceratophyllum</i> spp.	2.0-3.0	8.8-13.2	3.0-5.0	13.2-22.0
Horned Pondweed, <i>Zannichellia palustris</i>	2.0-3.0	8.8-13.2	3.0-5.0	13.2-22.0
Sago Pondweed, <i>Stuckenia pectinata</i>	1.0-2.0	4.4-8.8	2.0-5.0	8.8-22.0
Hydrilla, <i>Hydrilla verticillata</i>	1.0-4.0	4.4-17.6	3.0-5.0	13.2-22.0
Hygrophila *, <i>Hygrophila polysperma</i>	4.0-5.0	17.6-22.0	5.0	22.0
Milfoil, <i>Myriophyllum</i> spp.	2.0-3.0	8.8-13.2	3.0-5.0	13.2-22.0
Naiad, <i>Najas</i> spp.	2.0-4.0	8.8-17.6	3.0-5.0	13.2-22.0
Pondweed, <i>Potamogeton</i> spp. Including:	0.75-3.0	3.3-13.2	1.5-5.0	6.6-22.0
American, <i>P. nodosus</i>	2.0-3.0	8.8-13.2	3.0-5.0	13.2-22.0
Largeleaf (Bass Weed), <i>P. amplifolius</i>	2.0-3.0	8.8-13.2	3.0-5.0	13.2-22.0
Curlyleaf, <i>P. crispus</i>	0.75-1.5	3.3-6.6	1.5-5.0	6.6-22.0
Flatstem, <i>P. zosteriformis</i>	2.0-3.0	8.8-13.2	3.0-5.0	13.2-22.0
Floating-leaf, <i>P. natans</i>	1.0-2.0	4.4-8.8	2.0-5.0	8.8-22.0
Illinois, <i>P. illinoensis</i>	1.5-2.5	6.6-11.0	2.5-5.0	11.0-22.0
Narrowleaf, <i>P. pusillus</i>	1.0-2.0	4.4-8.8	2.0-5.0	8.8-22.0
Threadleaf, <i>P. filiformis</i>	2.0-3.0	8.8-13.2	3.0-5.0	13.2-22.0
Variable Leaf, <i>P. diversifolius</i>	1.0-2.0	4.4-8.8	2.0-5.0	8.8-22.0
Parrotfeather, <i>Myriophyllum aquaticum</i>	2.0-3.0	8.8-13.2	3.0-5.0	13.2-22.0
Water Stargrass, <i>Heteranthera</i> spp.	2.0-3.0	8.8-13.2	3.0-5.0	13.2-22.0

* Suppression only

Restriction for flowing waters used for irrigation of food crops: Do not apply more than 30 ppm per growing season, not to exceed 5 ppm per application. Do not apply more than a total of 5 ppm within a 7-day interval.

Note: There is no Pre-harvest Interval (PHI) for crops irrigated with treated water.

The following charts indicate the quantity of Aquathol Super K to be applied.

Pounds of Aquathol Super K to Treat One Acre-Foot of Water

	Rate (ppm)						
	0.75	1.0	1.5	2.0	3.0	4.0	5.0
1 acre ft	lbs/A-ft						
	3.3	4.4	6.6	8.8	13.2	17.6	22

Ounces of Aquathol Super K to Treat 1,000 Square-Feet per Foot of Depth

	Rate (ppm)						
	0.75	1.0	1.5	2.0	3.0	4.0	5.0
1000 ft ²	oz/1000 ft ²						
	1.2	1.6	2.4	3.2	4.8	6.4	8.0

Ponds and Small Lakes with little to no outflow

The following directions are intended for ponds and small lakes with minimal outflows to assure adequate contact time with the weeds.

Apply Aquathol Super K directly to the perimeter or in multiple locations around the perimeter of the water body. This will allow for rapid mixing throughout the water body as well as the water column.

For best results, apply in early Spring when weeds are actively growing with a minimum of 24 hours contact time.

Apply Aquathol Super K at the following rate:

PLANTS CONTROLLED AND AQUATHOL SUPER K DOSAGE RATES FOR SURFACE OR INJECTED APPLICATIONS IN PONDS AND SMALL LAKES

Aquatic Plant	Application Rate	Concentration (ppm)
Coontail (<i>Ceratophyllum</i> spp.) Horned Pondweed (<i>Zannichellia palustris</i>) Milfoil (<i>Myriophyllum</i> spp.) Parrotfeather (<i>Myriophyllum aquaticum</i>) Water Stargrass (<i>Heteranthera</i> spp.) Naiad (<i>Najas</i> spp.) Hydrilla (<i>Hydrilla verticillata</i>) Sago Pondweed (<i>Stuckenia pectinate</i>) Pondweed (<i>Potamogeton</i> spp.)	7.5 lbs. Aquathol Super K per acre ft.	1.75 ppm

*Suppression only

The following chart exemplifies the quantity of Aquathol Super K to be applied.

Examples of Aquathol Super K required for Treatment, Average Depth 4ft. (1.75ppm)

Amount of Aquathol Super K to treat ½ acre	Amount of Aquathol Super K to treat 1 acre
15 lbs.	30 lbs.

STORAGE AND DISPOSAL

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

Pesticide Storage: Store in the original container. Do not store in a manner where cross-contamination with other pesticides, fertilizers, food or feed could occur. If spilled during storage or handling sweep up spillage and dispose of in accordance with the Pesticide Disposal Instructions listed below.

Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide 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. Do not reuse or refill this container. Clean container promptly after emptying.

(if plastic pail) Triple rinse (or equivalent). Then offer for recycling if available 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.

(if plastic bag) Completely empty bag into application equipment. Then offer for recycling if available or 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.

EMERGENCY TELEPHONE NUMBERS:

CHEMTREC: (800) 424-9300

MEDICAL: (866) 673-6671

Rocky Mountain Poison Control Center

**IMPORTANT INFORMATION
READ BEFORE USING PRODUCT**

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 reflect the opinion of experts based on field use and tests, and must be followed carefully. 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 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 United Phosphorus, Inc. or Seller. Handling, storage, and use of the product by Buyer or User are beyond the control of United Phosphorus, Inc. and Seller. To the extent consistent with applicable law, all such risks shall be assumed by Buyer and User, and Buyer and User agree to hold United Phosphorus, Inc. and Seller harmless for any claims relating to such factors.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW. UNITED PHOSPHORUS, INC. AND SELLER MAKE NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ON THIS LABEL.

To the extent consistent with applicable law, United Phosphorus, Inc. or Seller shall not be liable for any incidental, consequential or special damages resulting from the use or handling of this product and **THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF UNITED PHOSPHORUS, INC. AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF UNITED PHOSPHORUS, INC. OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

United Phosphorus, Inc. and Seller offer this product, and Buyer and User accept it, subject to the foregoing conditions of sale and limitations of warranty and of liability, which may not be modified except by written agreement signed by the duly authorized representative of United Phosphorus, Inc.

Aquathol is a registered trademark of United Phosphorus, Inc.