



## OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

January 5, 2024

Zach Chesser  
Regional Regulatory Manager  
UPL NA Inc.  
630 Freedom Business Center, Suite 402  
King of Prussia, PA 19406

Subject: Notification per PRN 98-10 – Add NY State Specific Language  
Product Name: Jettison Aquatic Algaecide and Herbicide  
EPA Registration Number: 70506-389  
Application Date: August 2, 2023  
Case Number: 479375

Dear Zach Chesser:

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.

If you have any questions, please contact Derek Corbin at 202-566-2571 or at [Corbin.Derek@epa.gov](mailto:Corbin.Derek@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Mindy Ondish".

Mindy Ondish, Product Manager 23  
Herbicide Branch, Registration Division (7505T)

# NOTIFICATION

70506-389

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:

01/05/2024

Jettison rev. 4/20/22

Endothall Group 31 Herbicide

## Jettison Aquatic Algaecide and Herbicide

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

### ACTIVE INGREDIENT:

Mono (N,N-dimethylalkylamine) salt of Endothall <sup>(1)</sup> . . . . . 69.1%

**OTHER INGREDIENTS:** . . . . . 30.9%

**TOTAL** . . . . . 100.0%

<sup>(1)</sup>30.45% Endothall: 7-oxabicyclo [2.2.1] heptane-2,3-dicarboxylic acid equivalent (ae)

{OPTIONAL REFERRAL STATEMENTS FOR COMMERCIAL PACKAGING: }

[See inside for additional Precautionary Statements and Directions For Use.]

[See attached booklet for additional Precautionary Statements.]

[See attached booklet for Conditions Of Sale and Limitation of Warranty and Liability.]

[See attached booklet for complete Directions for Use.]

[See label for additional Precautions and Directions for Use]

[See inside label booklet for Additional Precautions, Directions for Use, and Storage and Disposal]

### 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	
<b>IF IN EYES</b>	<ul style="list-style-type: none"><li>• Hold eyes open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"><li>• Call a poison control center or doctor immediately for treatment advice.</li><li>• Have person sip a glass of water if able to swallow.</li><li>• Do not induce vomiting unless told by a poison control center or doctor.</li><li>• Do not give anything by mouth to an unconscious person.</li></ul>
<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
Note to Physician: probable mucosal damage may contraindicate the use of gastric lavage.	
<b>HOTLINE NUMBER</b>	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact Rocky Mountain Poison and Drug Center at 1-866-673-6671 for emergency medical treatment information.	
For Chemical Emergency Assistance (spill, leak, fire or accident) Call CHEMTREC 1-800-424-9300.	

UPL NA Inc.  
630 Freedom Business Center, Suite 402  
King of Prussia, PA 19406  
1-800-438-6071

EPA Registration No. 70506-389  
EPA Establishment No. \_\_\_\_\_

**NET CONTENTS: \_\_\_\_\_ lbs.  
(4 x 5 oz. water soluble packets)**

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

Corrosive. Causes irreversible eye damage. Causes skin burns. May be fatal if absorbed through skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Harmful if swallowed. Do not get in eyes, on skin, or on 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 reusing.

**Personal Protective Equipment (PPE):**

Applicators and other handlers must wear:

- Protective eyewear (goggles, face shield, or safety glasses)
- Long sleeved shirt and long pants
- Shoes and socks
- Chemical-resistant gloves made of any waterproof material such as barrier laminate, butyl rubber  $\geq 14$  mils, nitrile rubber  $\geq 14$  mils, neoprene rubber  $\geq 14$  mils, polyvinyl chloride (PVC)  $\geq 14$  mils, or Viton  $\geq 14$  mils.

**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 highly toxic to fish and aquatic invertebrates. This pesticide is toxic to wildlife. Treatment of algae and aquatic plants can result in oxygen loss from decomposition of dead algae and plants. This loss can cause fish suffocation. Water bodies containing very high algae or plant density should be treated in sections to prevent suffocation of fish.

**PHYSICAL AND CHEMICAL HAZARDS**

Do not mix or allow coming in contact with oxidizing agents. 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. Do not apply this product in a way that will contact workers or other persons, either directly or through drift.

**PRODUCT INFORMATION**

Jettison Aquatic Algaecide and Herbicide consists of liquid concentrated gel beads within water soluble packaging for control of certain algae and aquatic plants in quiescent, slow moving, and flowing water sites.

- When used as directed, phytotoxicity is not expected on plants or crops irrigated with Jettison treated water, however, all species and cultivars (varieties) have not been tested.
- Do not use Jettison treated water for chemigation as interactions between Jettison and other pesticides and fertilizers are not known.
- Do not use Jettison in waters containing Koi or hybrid goldfish.
- Jettison is not intended for use in small volume garden pond systems.
- Fish may be killed by dosages in excess of 0.3 parts per million (ppm).
- Contact with desirable plants or crops may result in injury.
- Do not use Jettison in brackish or salt water.
- Do not treat more than 10% of the area at one time with doses in excess of 1 ppm in slow moving or quiescent waters.
- Do not open water soluble packets of Jettison.
- Do not use partial water soluble packets.
- Do not apply product by air.
- Waters treated with this product may be hazardous to non-target aquatic organisms. Treatment of aquatic weeds and algae can result in oxygen loss from decomposition of dead biomass. This oxygen loss can cause fish and invertebrate suffocation. To minimize this hazard, do not treat more than 1/2 to 1/3 of the water body (excluding water infrastructure and constructed conveyances such as drainage canals, ditches and pipelines or intakes and aqueducts for drinking water or irrigation use) to avoid depletion of oxygen due to decaying vegetation. Do not apply more than the maximum single application rate within a 7-day interval. Begin treatment along the shore and proceed outward in bands to allow fish to move into untreated areas. Consult with the state or local agency with primary responsibility for regulating pesticides before applying this product to public waters to determine if a permit is required.
- In New York State no swimming until day after application (24 hours).

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#### RESISTANCE MANAGEMENT

For resistance management, Jettison is a Group 31 herbicide. Any weed population may contain or develop plants naturally resistant to Jettison and other Group 31 herbicides. Weed species with acquired resistance to Group 31 herbicides may eventually dominate the weed population if Group 31 herbicides are used repeatedly in the same area or in successive years as the primary method of control for targeted species. This may result in partial or total loss of control of those species by Jettison or other Group 31 herbicides.

To delay herbicide resistance, take one or more of the following steps:

- Rotate the use of Jettison or other Group 31 herbicides with different herbicide groups that control the same weeds.
- Use tank mixtures with herbicides from a different group if such use is permitted; where information on resistance in target weed species is available, use the less resistance-prone partner at a rate that will control the target weed(s) equally as well as the more resistance-prone partner. Consult your local extension service or UPL NA Inc. representative if you are unsure as to which active ingredient is currently less prone to resistance.
- Adopt an integrated weed-management program for herbicide use that includes scouting and uses historical information related to herbicide use, and that considers tillage (or other mechanical control methods), cultural, biological, and other management practices.
- Scout after herbicide application to monitor weed populations for early signs of resistance development. Indicators of possible herbicide resistance include: (1) failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds; (2) a spreading patch of non-controlled plants of a particular weed species; (3) surviving plants mixed with controlled individuals of the same species. If resistance is suspected, prevent weed seed production in the affected area by an alternate herbicide from a different group or by a mechanical method. Prevent movement of resistant weeds to other areas by cleaning equipment when moving between areas.
- If a weed pest population continues to progress after treatment with this product, discontinue use of this product and switch to another management strategy or herbicide with a different mode of action, if available.
- Contact your local extension specialist or UPL NA Inc. representative for additional pesticide resistance management and/or integrated weed management recommendations for specific weed biotypes.
- For further information or to report suspected resistance, contact UPL NA Inc. at 1-800-438-6071. You can also contact your pesticide distributor or university extension specialist to report resistance.

#### **WATER SOLUBLE PACKETS**

The enclosed packets are water soluble. Do not allow packets to become wet prior to adding to the target site. Do not handle packets with wet hands or wet gloves. Do not open water soluble packets.

#### **HOW TO APPLY**

Jettison is a contact algaecide and herbicide for use in quiescent, slow moving or flowing water sites. Apply when target algae and plants are present. Susceptibility of algae may vary due to subspecies, strains or environmental conditions. Apply Jettison as evenly as possible in the area to be treated. Individual water soluble packets should be tossed or dropped into the water within a predetermined treatment area. The water soluble packet may initially float and then sink into the water column.

#### **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 Jettison applications, the drinking water setback distance from functioning potable water intakes in the

Jettison rev. 4/20/22

treated water body must be greater than or equal to 600 feet.

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 Jettison 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 Jettison treated water above 0.1 ppm does not enter the potable water system.

**QUIESCENT, SLOW MOVING OR FLOWING WATER TREATMENTS**

When applying Jettison distribute the water soluble packets (WSPs) evenly within the treatment area allowing for dispersion to achieve the desired rate when dissolved. (See the Jettison Dosage Rate Chart for ppm and volumes).

**ALGAE CONTROL** Jettison is effective on a broad range of planktonic, filamentous, and branched algae. Note: Susceptibility of algae may vary due to subspecies, strains or environmental conditions. Apply at rates of 0.05 to 0.3 ppm on light to moderate infestation of planktonic and filamentous algae. Apply higher labeled rates for branched algae species. Repeat applications when algae reappear and reach treatment levels. Dosages may be increased (from 0.3 to 3.0 ppm) where greater longevity of control is desired or to improve efficacy on species that prove difficult to control. Due to potential fish toxicity, it is suggested that applications above 0.3 ppm be made only by commercial applicators as marginal or sectional treatments. Or, consult a UPL Aquatic Specialist for additional site-specific recommendations.

**SUBMERGED AQUATIC PLANTS** Apply Jettison at 0.75 to 5.0 ppm for control of submerged aquatic plants. Due to potential fish toxicity, Jettison use for submerged aquatic plant control is suggested to be made only by commercial applicators as marginal or sectional treatments. Or, consult a UPL Aquatic Specialist for additional site-specific recommendations.

**Number of Jettison Water Soluble Packets per acre foot of water to achieve desired rate in parts per million (ppm).**

Rate (ppm ac)													
0.05	0.1	0.3	0.5	0.75	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0
Water Soluble Packs Required per Acre-ft Water													
1.4	2.8	8.5	14.2	21.3	28.4	42.6	56.7	70.9	85.1	99.3	113.5	127.7	141.9

To calculate the required number of Jettison Water Soluble Packets for a treatment use the following formula:

Water Body Volume (acre-ft) X Water Soluble Packets (WSP) Required for Desired Rate = Number of Jettison Water Soluble Packets Needed for Treatment.

Always round down to the lowest number of water soluble packets once calculated.

Do not open water soluble packets.

**Example**

1/2 acre pond  
4 foot average depth

**Calculations**

1/2 acre X 4 foot (0.5x4) = 2 acre feet

Jettison rev. 4/20/22

42.6 WSP (from the above chart) x 2 (acre feet)  
= 85.2

1.5 ppm endothall acid

**Based on this calculation 85 WSP is applied  
for the entire pond treatment**

**Jettison Dosage Rate Chart**

Algae or Plant	Endothall Acid Rate (ppm)	Jettison (WSP per Acre Ft)
<b>Algae</b>		
Planktonic, Filamentous, Branched	0.05-3.0 <sup>d</sup>	1.4-85.1
<b>Aquatic Plants</b>		
Fanwort, <sup>a,b,c</sup> <i>Cabomba caroliniana</i>	2-5	56.7-141.9
Brazilian Elodea, <i>Egeria densa</i>	2-5	56.7-141.9
Elodea, <sup>c</sup> <i>Elodea canadensis</i>	2-5	56.7-141.9
Hydrilla, <i>Hydrilla verticillata</i>	1-5	28.4-141.9
Hygrophila, <sup>a,b,c</sup> <i>Hygrophila polysperma</i>	2-5	56.7-141.9
Eelgrass, <sup>c</sup> <i>Vallisneria americana</i>	2-5	56.7-141.9
Coontail, <sup>c</sup> <i>Ceratophyllum demersum</i>	1.5-5	42.6-141.9
Horned Pondweed, <sup>c</sup> <i>Zannichellia palustris</i>	1.5-5	42.6-141.9
Milfoil, <sup>c</sup> <i>Myriophyllum</i> spp.	1.5-5	42.6-141.9
Sago Pondweed, <sup>c</sup> <i>Stuckenia pectinata</i>	1.0-5	28.4-141.9
Naiad, <sup>c</sup> <i>Najas</i> spp.	1.5-5	42.6-141.9
Pondweeds, <sup>c</sup> <i>Potamogeton</i> spp.	0.75-5	21.3-141.9
<b>Including:</b>		
American, <i>P. nodosus</i>	1.5-5	42.6-141.9
Largeleaf (Bass Weed), <i>P. amplifolius</i>	1.5-5	42.6-141.9
Curlyleaf, <i>P. crispus</i>	0.75-5	21.3-141.9
Flatstem, <i>P. zosteriformis</i>	1.5-5	42.6-141.9
Floating-leaf, <i>P. natans</i>	1.0-5	28.4-141.9
Illinois, <i>P. illinoensis</i>	1.25-5	35.5-141.9
Narrowleaf, <i>P. pusillus</i>	1.0-5	28.4-141.9
Threadleaf, <i>P. filiformis</i>	1.5-5	42.6-141.9
Variable Leaf, <i>P. diversifolius</i>	1.0-5	28.4-141.0
Water Stargrass, <sup>a,c</sup> <i>Heteranthera</i> spp.	1.5-5	42.6-141.9

<sup>a</sup> Not approved for this use in California.

<sup>b</sup> Suppression only.

<sup>c</sup> Not approved for this use in New York.

<sup>d</sup> See specific use instructions under Algae Control

**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.

**PONDS AND SMALL LAKES WITH LITTLE TO NO OUTFLOW**

For applications to ponds and small lakes with minimal outflows use the following rate chart to assure adequate contact time with the weeds is achieved.

Apply Jettison water soluble packets (WSPs) directly to water 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. Do not use partial water soluble packets; do not open water soluble packets. Always round down to the lowest number of whole water soluble packets.

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

Due to potential fish toxicity, it is suggested that applications above 0.3 ppm be made only by commercial applicators as marginal or sectional treatments. Or, consult a UPL Aquatic Specialist for additional site-specific recommendations.

**Apply Jettison at the following rates:**

Algae and plants controlled by Jettison dosage rates for applications in ponds and small lakes.

Algae and Plant	Concentration (ppm ae)	Jettison (WSP per Acre Ft.)
<b>Algae</b>		
Planktonic and Filamentous	0.25 ppm	7.1
Branched ( <i>Chara</i> , <i>Nitella</i> )	0.5 ppm	14.2
<b>Aquatic Plants</b>		
Brazilian Elodea, <i>Egeria densa</i> Coontail, <i>Ceratophyllum demersum</i> Eelgrass, <i>Vallisneria americana</i> Elodea, <i>Elodea canadensis</i> Fanwort, <sup>a,b,c</sup> <i>Cabomba caroliniana</i> Water stargrass, <sup>a,c</sup> <i>Heteranthera</i> spp. Horned Pondweed, <i>Zannichellia palustris</i> Hydrilla, <i>Hydrilla verticillata</i> Milfoil, <i>Myriophyllum</i> spp. Naiad, <i>Najas</i> spp. Sago Pondweed, <i>Stuckenia pectinata</i> Pondweed, <i>Potamogeton</i> spp.	0.5 ppm	14.2

<sup>a</sup> Not for this use in California

<sup>b</sup> Suppression only

<sup>c</sup> Not for this use in New York

**Examples of Jettison application amount for Algae and Aquatic Plant Treatments; one-half and one acre with average depth of 4 ft. (0.25 ppm for planktonic and filamentous algae; 0.5 ppm for branched algae and aquatic plants).**

Algae or Plants	Calculated Number of Jettison WSPs to Treat ½ acre (number of WSPs to apply)	Calculated Number of Jettison WSPs to Treat 1 acre (number of WSPs to apply)
Planktonic and Filamentous Algae	14.2 (apply 14 WSPs)	28.4 WSPs (apply 28 WSPs)



Branched Algae and Aquatic Plants	28.4 WSPs (apply 28 WSPs)	56.8 WSPs (apply 56 WSPs)
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**Always round down to lowest number of water soluble packets once the final calculation is determined.**

Do not use partial water soluble packets and do not open water soluble packets.

#### **STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE:** Keep pesticide in original container. Store in a cool, dry place. Protect from excessive heat. Do not contaminate food or feedstuffs. Do not store near feed or food.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

**CONTAINER HANDLING:**

Offer for recycling, if available or dispose of the empty outer foil pouch in the trash as long as the WSP is unbroken.

#### **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 UPL NA Inc. or Seller. Handling, storage, and use of the product by Buyer or User are beyond the control of UPL NA 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 UPL NA Inc. and Seller harmless for any claims relating to such factors.

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Jettison rev. 4/20/22

**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 UPL NA INC. OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

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