



**OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION**

WASHINGTON, D.C. 20460

November 4, 2025

Mark McGarry  
Product Compliance Specialist  
Athea Laboratories  
P.O. Box  
Milwaukee, WI 53224

Subject: Label Amendment - Registration Review Mitigation for Bromacil  
Product Name: Non-Selective Herbicide #1  
EPA Registration Number: 10088-2  
Case Number: 478109  
Application Dates: 10/23/2020

Dear Mark McGarry:

In accordance with the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, the Agency has completed reviewing all the information submitted with your application to support the Registration Review of the above referenced product in connection with the Bromacil Interim Decision and has concluded that your submission is acceptable. The amended label, submitted in connection with registration under FIFRA, is acceptable.

Should you wish to add/retain a reference to the company's website on your label, 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, if the Agency finds or is made aware 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 Assurance.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling and must be used at your next label printing. 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 12 months

from the date of this letter. After 12 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.

If you have any questions about this letter, please contact Carolyn Smith by phone at 202-566-2273 or via email at [smith.carolyn@epa.gov](mailto:smith.carolyn@epa.gov).

Sincerely,

A handwritten signature in black ink that reads "Jaclyn Pyne". The signature is written in a cursive, flowing style.

Jaclyn Pyne, Team Leader  
Risk Management and Implementation Branch 3  
Pesticide Re-Evaluation Division  
Office of Pesticide Programs

ENCLOSURE: Stamped label

Note to Reviewer:

[Language in brackets [AAA] is optional or interchangeable]

{Language in braces {AAA} is for informational purposes and will not appear on the final label}

BROMACIL	GROUP	5	HERBICIDE
2,4-D	GROUP	4	HERBICIDE

## NON-SELECTIVE HERBICIDE #1

### ACTIVE INGREDIENTS:

Isooctyl (2-ethylhexyl) Ester of 2,4-dichlorophenoxyacetic acid .....1.10%

Bromacil (5-Bromo-3-sec-butyl -6-methyluracil) .....0.61%

INERT INGREDIENTS: ..... 98.29%

TOTAL .....100.00%

2,4-dichlorophenoxyacetic acid equivalent 0.63%.

Isomer specific AOAC Method No. 6. DO 1-5.

### KEEP OUT OF REACH OF CHILDREN

## CAUTION

### 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 eye. Call a poison control center or doctor for treatment advice.

**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.

**IF SWALLOWED:** Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

**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. Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information on this pesticide (including health concerns, medical emergencies, or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378.

**NOTE TO PHYSICIAN:** Contains petroleum distillate – vomiting may cause aspiration pneumonia.

EPA REG. NO. 10088-2

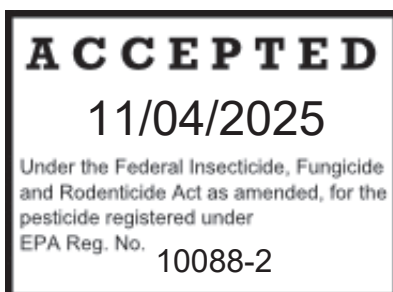
EPA EST. {insert EPA Est. No. here}

NET CONTENTS: \_\_\_\_ Gallons

Athea Laboratories, Inc.

EPA Reg. No. 10088-8

Revised: 03-22-2021



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## **PRECAUTIONARY STATEMENTS**

### **HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

#### **CAUTION**

Harmful if swallowed. Harmful if absorbed through the skin. Causes moderate eye irritation.

Avoid contact with skin, eyes, or clothing.

#### **PERSONAL PROTECTIVE EQUIPMENT(PPE)**

Handlers must wear a minimum of long pants, long-sleeved shirt, shoes, and socks, and chemical-resistant gloves made of barrier laminate, nitrile rubber  $\geq 14$  mils, neoprene rubber  $\geq 14$  mils and viton  $\geq 14$  mils.

#### **USER SAFETY RECOMMENDATIONS:**

User should wash hands before eating, drinking, chewing gum, tobacco use, or using the toilet. User should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. If pesticide gets on skin, wash immediately with soap and water. Users should 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.

Follow manufacturer's 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.

#### **ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment wash waters or rinsate. This chemical has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination. Application around a cistern or well may result in contamination of drinking water or groundwater.

**NON-TARGET ORGANISM ADVISORY:** This product is toxic to plants and may adversely impact forage and habitat of non-targeted organisms, including pollinators, in areas adjacent to the treated site. Protect the forage and habitat of non-target organisms by following label directions intended to minimize spray drift.

#### **PHYSICAL OR CHEMICAL HAZARDS**

Combustible. Do not use or store the product near heat or open flame.

## **DIRECTIONS FOR USE**

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

This is a specially formulated, non-selective herbicide for controlling a wide variety of annual and perennial weeds and grasses. It is recommended for use only on non-cropland areas such as railroad

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rights-of-way, fence rows, parking lots, around buildings, loading ramps, storage yards, tank farms and industrial sites. The degree of control and duration of results depends on the amount of herbicide applied, soil type, rainfall and other conditions. This product is also highly recommended for municipal weed control and as a semi soil sterilant.

**WEED RESISTANCE MANAGEMENT:** For resistance management, please note that [PRODUCT NAME] contains both a Group 5/Bromacil and a Group 4/2,4-D herbicide. Any weed populations may contain plants naturally resistant to Group 5 and or Group 4 herbicides. The resistant individuals may dominate the weed population if these herbicides are used repeatedly in the same areas. Appropriate resistance-management strategies should be followed.

To control most weeds and grasses on non-cropland areas for an extended time, apply 1 gallon per 1000 square feet (43.5 gallons per acre) of undiluted weed killer after the most predominant weeds have emerged. No agitation is required. This herbicide should be applied with standard spraying equipment. For treating small areas, a tank type sprayer or sprinkling can may be used.

Use of this product in certain portions of California, Oregon and Washington is subject to the January 22, 2004 Order for injunctive relief in Washington Toxics Coalition, et al.v.EPA, C01-0132C, (W.D. WA). For further information, please refer to EPA Web Site: <http://www.epa.gov/espp>.

**Application Restrictions:** 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.

Not to be used in any recreational areas or in or around homes.

**Entry Restrictions:** Do not enter or allow people (or pets) to enter the treated areas until sprays have dried.

Aerial application of this product is prohibited.

#### **Mandatory Spray Drift Management**

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**Ground Boom Applications:**

- User must only apply with nozzle height recommended by the manufacturer, but no more than 4 feet above the ground or crop canopy.
- Applicators are required to use coarse or coarser droplet size (ASABE S572.1)
- Do not apply when wind speeds exceed 10 miles per hour at the application site.
- Do not apply during temperature inversions.

**Boomless Ground Applications:**

- Applicators are required to use a coarse or coarser droplet size (ASABE S572.1) for all applications.
- Do not apply when wind speeds exceed 10 miles per hour at the application site.
- Do not apply during temperature inversions.

**SPRAY DRIFT ADVISORIES**

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT. BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

**IMPORTANCE OF DROPLET SIZE:** An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

**Controlling Droplet Size - Ground Boom**

- Volume – Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
- Pressure – Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
- Spray Nozzle – Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

**BOOM HEIGHT - Ground Boom:** For ground equipment, the boom should remain level with the crop and have minimal bounce.

**SHIELDED SPRAYERS:** Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

**TEMPERATURE AND HUMIDITY:** When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

**TEMPERATURE INVERSIONS:** Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversions.

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**WIND:** Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS. Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

**Boom-less Ground Applications:** Setting nozzles at the lowest effective height will help to reduce the potential for spray drift.

**Susceptible Plants:** Do not apply under circumstances where spray drift may occur to food, forage, or other plantings that might be damaged or crops thereof rendered unfit for sale, use or consumption. Susceptible crops include, but are not limited to, cotton, okra, flowers, grapes (in growing stage), fruit trees (foliage), soybeans (vegetative stage), ornamentals, sunflowers, tomatoes, beans, and other vegetables, or tobacco. Small amounts of spray drift that might not be visible may injure susceptible broadleaf plants.

**Other State and Local Requirements:** Applicators must follow all state and local pesticide drift requirements regarding application of 2,4-D herbicides. Where states have more stringent regulations, they must be observed.

**Equipment:** All application equipment must be properly maintained and calibrated using appropriate carriers or surrogates.

#### **WARRANTY DISCLAIMER**

Seller warrants that this product complies with specifications expressed in this label. To the extent consistent with applicable law, Seller makes no other warranties, and disclaims all other warranties, express or implied, including but not limited to warranties of merchantability and fitness for the intended purpose. To the extent consistent with applicable law, Seller's liability or default, breach or failure under this label shall be limited to the amount of the purchase price. To the extent consistent with applicable law, Seller shall have no liability for consequential damages.

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## **STORAGE AND DISPOSAL**

Do Not Contaminate Water, Food, or Feed By Storage or Disposal.

**Pesticide Storage:** Store in a dry place no lower in temperature than 50°F or higher than 120°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 representative at the nearest EPA Regional Office for guidance.

*{for containers greater than 5 gallons}*

**Container Disposal:** Nonrefillable container. Do not reuse or refill container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill 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 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.

*{for containers less than or equal to 5 gallons}*

**Container Disposal:** Nonrefillable container. Do not reuse or refill container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat procedure two more times.