



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

September 12, 2022

Chris Mason
Senior Manager of Registrations
Loveland Products Inc.
P.O. Box 1286
Greeley, CO 80632-1286

Subject: Registration Review Label Mitigation for Bromacil
Product Name: WEED BLAST RESIDUAL WEED CONTROL
EPA Registration Number: 34704-576
Application Date: 9/18/2020
Decision Number: 566202

Dear Chris Mason:

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, 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 label referred to above, submitted in connection with registration under FIFRA, as amended, is acceptable.

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.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. 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.

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If you have any questions about this letter, please contact Quinn Gavin by phone at 202-566-2284, or via email at gavin.quinn@epa.gov.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Linda Arrington', with a long horizontal flourish extending to the right.

Linda Arrington, Branch Chief
Risk Management and Implementation Branch 4
Pesticide Re-Evaluation Division
Office of Pesticide Programs

Enclosure



Bromacil	GROUP	5	HERBICIDE
Diuron	GROUP	7	HERBICIDE

WEED BLAST

RESIDUAL WEED CONTROL

NON-CROP WEED CONTROL FOR RAILROAD, HIGHWAY AND PIPELINE RIGHT-OF-WAYS, PETROLEUM TANK FARMS, LUMBERYARDS, STORAGE AREAS, AND INDUSTRIAL PLANT SITES

ACTIVE INGREDIENTS:

Bromacil (5-Bromo-3-sec-butyl-6-methyluracil)	4.0%
Diuron 3-(3,4-Dichlorophenyl)-1,1-dimethylurea	4.0%
OTHER INGREDIENTS:	92.0%
TOTAL	100.0%

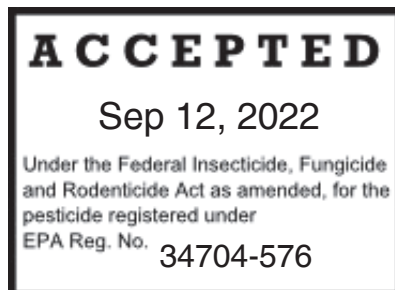
KEEP OUT OF REACH OF CHILDREN CAUTION

For Additional Precautionary Statements, Complete First Aid, Directions for Use, Storage and Disposal and Other Use Information, See Inside This Label Booklet.

FIRST AID	
If on skin or clothing:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 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 to 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.
<p>FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: 1-866-944-8565 . Have the product container or label with you when calling a poison control center or doctor, or going for treatment.</p>	

EPA REG . NO . 34704-576
EPA EST . NO . 39578-TX-1
NET WEIGHT 40 LBS . (18 .14 KG)

20200917



**WEED BLAST RESIDUAL WEED CONTROL
EPA REG. NO. 34704-576**

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

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

Personal Protective Equipment (PPE):

Loaders, applicators and other handlers must wear:

- Long-sleeved shirt and long pants,
- Shoes plus socks, and
- Chemical-resistant gloves.

In addition, applicators using tractor drawn spreaders and all loaders must wear:

- A NIOSH approved particulate filtering respirator equipped with N, R, or P class filter media (the respirator should have a NIOSH approval number prefix TC-84A. It is recommended that you require that respirator wearer be fit tested, and trained in the use, maintenance, and limitations of the respirator).

User Safety Requirements

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.

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 the 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. **Drift and runoff from treated areas may be hazardous to wildlife and aquatic organisms in adjacent aquatic sites.** Do not contaminate water when cleaning equipment or disposing of equipment washwaters or rinsate.

NON-TARGET ORGANISM ADVISORY: This product is toxic to plants and may adversely impact the forage and habitat of non-target 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.

ENTRY RESTRICTIONS: Do not enter or allow others to enter the treated area until dusts have settled.

NOTE: DO NOT apply, allow to drift or drain or flush equipment onto or near croplands, lawns, trees or other desirable plants or to areas where their roots may extend. **DO NOT** contaminate irrigation ditches or water used for domestic purposes. **DO NOT** allow contact with fertilizers, insecticides, fungicides or seeds. Equipment which has been used to apply this product should not be used for applying insecticides, fungicides, fertilizers or other agricultural chemicals as plant injury may result.

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.

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.
- **DO NOT** apply with a spoon, pump-feed backpack spreader or gravity-feed backpack spreader.
- **DO NOT** use on turfgrass at residential sites (including homes, apartment complexes, condominium grounds, daycare facilities, schools, playgrounds, parks, recreational areas, and sports fields).
- Aerial application of this product is prohibited

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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.Gov/Pesticides.

WEED RESISTANCE MANAGEMENT

MODE OF ACTION (MOA)

Weed Blast Residual Weed Control herbicide is a mixture of the active ingredients bromacil, and diuron.

- Bromacil is a photosystem II inhibitor (Group 5 mode of action) leading to cellular membrane disruption and plant death.
- Diuron is a photosystem II inhibitor (Group 7 mode of action) inhibiting photosynthesis.

Contact your local extension agent, crop advisor, or sales representative to find out if suspected resistant weeds to these MOAs have been found in your region. Do not assume that each listed weed is being controlled by multiple mechanisms of action. Co-formulated active ingredients are intended to broaden the spectrum of weeds that are controlled. Some weeds may be controlled by only one of the active ingredients in this product.

A given weed population may contain or develop resistance to an herbicide or herbicide MOA after repeated use. Appropriate resistance-management strategies should be followed to mitigate or delay resistance. If levels of control provided by applications of this product is reduced, and cannot be accounted for by factors such as misapplication, abnormal levels of target species or extremes of weather, it may be the case that target species have developed a strain resistant to applications of this product.

Suspected herbicide-resistant weeds may be identified by these indicators:

- Failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds;
- A spreading patch of non-controlled plants of a particular weed species; and
- Surviving plants mixed with controlled individuals of the same species.

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.

If resistance develops, this product may not provide sufficient control of target species. Where you suspect target species are developing resistance, contact State/local agricultural advisors. Integrated weed management guidelines promote an economically viable, environmentally sustainable, and socially acceptable weed control program regardless of the herbicide(s) used. The highlights of successful integrated weed management include:

1. Correctly identify weeds and look for trouble areas within field to identify resistance indicators.
2. Rotate crops.
3. Start the growing season with clean fields.
4. Rotate herbicide modes of action by using multiple modes of action during the growing season and apply no more than 2 applications of a single herbicide mode of action to the same field in a 2-year period. One method to accomplish this is to rotate herbicide tolerant trait systems.
5. Apply listed rates of herbicides to actively growing weeds at the correct time with the right application techniques.
6. Control any weeds that may have escaped the herbicide application.
7. Thoroughly clean field equipment between fields.
8. Scout before and after application.

Contact your local agronomic advisor for more specific information on integrated weed management for your area. Users should report lack of performance to registrant or their representative. For mixtures including this herbicide note that each listed weed may not be controlled by multiple mechanisms of action. Refer to crop specific directions (below) for maximum application rates and number of applications.

APPLICATION INSTRUCTIONS NON-CROP WEED CONTROL

This product is a non-selective herbicide for controlling a wide range of annual and perennial weeds and grasses. Use only for non-crop land areas including Railroad, Highway and Pipeline Right-of-Ways, Petroleum Tank Farms, Lumberyards, Storage Areas, and Industrial Plant Sites.

This herbicide should be applied as furnished with a seed spreader, a shaker-type applicator, or with any equipment which will distribute the chemical uniformly over the area to be treated.

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For short-term control of annual weeds on non-crop land areas listed above, apply 40.0 to 60.0 pounds per acre. For extended control of annuals and partial control of perennials such as Bermudagrass and Nutsedge, apply 100 to 200 pounds per acre. Reapplication as a spot treatment may be required when deep-rooted perennial weeds such as Bermudagrass, Bouncingbet, Dogbane, Johnsongrass, Nutsedge and Saltgrass are present.

Use higher levels of dosage rates on absorptive soils (high in organic matter or carbon). To obtain better control, this herbicide should be absorbed by the roots. Best results occur when application is made just before weed emergence or in early stages of weed growth.

MAXIMUM RATE PER APPLICATION:

The maximum application rate for areas of high rainfall or dense vegetation is 12.0 pounds active ingredient per year or a total of 300 pounds of product per acre per year. In all other areas, the maximum application rate is 8.0 pounds active ingredient per acre per year or a total of 200 pounds of product per acre per year.

Apply a Maximum of 2 applications per year.

Minimum retreatment interval: 90 days.

RETREATMENT: Apply 40.0 to 60.0 pounds per acre when annual weeds and grasses reappear on sites where weed growth has been controlled.

SMALL AREAS: One-third pound per 100 square feet is approximately 150 pounds per acre. Repeat spot treatment may be required when deep-rooted perennial weeds are present.

Users should consult State Agricultural Experiment Stations or Extension Service Weed Specialists for recommendations as to use in their particular area or write to Loveland Products Inc.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in safe manner. Store in original container only. To maximize shelf life, store in cool, dry place. Keep container tightly closed when not in use. Reduce stacking height where local conditions, such as humidity or pallet overhang, can affect package strength.

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: Plastic Jug or Pail: 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 a mix tank. Fill the container $\frac{1}{4}$ 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 this procedure two more times. Once cleaned, some agricultural plastic pesticide containers can be taken to a container collection site or picked up for recycling. To find the nearest site, contact your chemical dealer or manufacturer, or contact The Agricultural Container Recycling Council (ACRC) at www.acrecycle.org.

For help with any spill, leak, fire or exposure involving this material, call day or night CHEMTREC – 1-800-424-9300 .

**WEEDBLAST RESIDUAL WEED CONTROL
EPA REG. NO. 34704-576**

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

BEFORE BUYING OR USING THIS PRODUCT, read the entire Directions for Use and the following Conditions of Sale and Limitation of Warranty and Liability. By buying or using this product, the buyer or user accepts the following Conditions of Sale and Limitation of Warranty and Liability, which no employee or agent of LOVELAND PRODUCTS, INC. or the seller is authorized to vary in any way.

Follow the Directions for Use of this product carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop or other plant injury, ineffectiveness, or other unintended consequences may result from such risks as weather or crop conditions, mixture with other chemicals not specifically identified in this product's label, or use of this product contrary to the label instructions, all of which are beyond the control of LOVELAND PRODUCTS, INC. and the seller. The buyer or user of this product assumes all such inherent risks.

Subject to the foregoing inherent risks, LOVELAND PRODUCTS, INC. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use when the product is used in strict accordance with such Directions for Use under normal conditions of use. EXCEPT AS WARRANTED IN THIS LABEL AND TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THIS PRODUCT IS SOLD "AS IS," AND LOVELAND PRODUCTS, INC. MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ELIGIBILITY OF THIS PRODUCT FOR ANY PARTICULAR TRADE USAGE.

IN THE UNLIKELY EVENT THAT BUYER OR USER BELIEVES THAT LOVELAND PRODUCTS, INC. HAS BREACHED A WARRANTY CONTAINED IN THIS LABEL AND TO THE EXTENT REQUIRED BY APPLICABLE LAW, BUYER OR USER MUST SEND WRITTEN NOTICE OF ITS CLAIM TO THE FOLLOWING ADDRESS: LOVELAND PRODUCTS, INC., ATTENTION: LAW DEPARTMENT, P.O. BOX 1286, GREELEY, CO 80632-1286.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE BUYER'S OR USER'S EXCLUSIVE REMEDY FOR ANY INJURY, LOSS, OR DAMAGE RESULTING FROM THE HANDLING OR USE OF THIS PRODUCT, INCLUDING BUT NOT LIMITED TO CLAIMS OF BREACH OF WARRANTY OR CONTRACT, NEGLIGENCE, STRICT LIABILITY, OR OTHER TORTS, SHALL BE LIMITED TO ONE OF THE FOLLOWING, AT THE ELECTION OF LOVELAND PRODUCTS, INC. OR THE SELLER: DIRECT DAMAGES NOT EXCEEDING THE PURCHASE PRICE OF THE PRODUCT OR REPLACEMENT OF THE PRODUCT. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, LOVELAND PRODUCTS, INC. AND THE SELLER SHALL NOT BE LIABLE TO THE BUYER OR USER OF THIS PRODUCT FOR ANY CONSEQUENTIAL, SPECIAL, OR INDIRECT DAMAGES, OR DAMAGES IN THE NATURE OF A PENALTY.

**FORMULATED FOR
LOVELAND PRODUCTS, INC .
P .O . BOX 1286, GREELEY, COLORADO 80632-1286**