



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

September 12, 2019

Nikki Yepez  
Regulatory Specialist  
Gowan Company  
PO Box 5569  
Yuma, AZ 85364-5569

Subject: Registration Review Label Mitigation for Halosulfuron-methyl  
Product Name: BUTTE Herbicide  
EPA Registration Number: 10163-334  
Application Date: Nov 6, 2017  
Decision Number: 554887

Dear Nikki Yepez:

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all of the information submitted with your application to support the Registration Review of the above referenced product in connection with the Halosulfuron-methyl 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 copy of your label stamped "Accepted" is enclosed. Products shipped after 12 months from the date of this amendment must bear the new revised label. Your release for shipment of the product bearing the amended label constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6.

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If you have any questions about this letter, please contact Miguel Zavala by phone at 703-347-0504, or via email at [zavala.miguel@epa.gov](mailto:zavala.miguel@epa.gov).

Sincerely,

A handwritten signature in blue ink, appearing to read "Linda Arrington".

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

Enclosure

**ACCEPTED**

Sep 12, 2019

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 10163-334

BENZOBICYCLON	GROUP	27	HERBICIDE
HALOSULFURON-METHYL	GROUP	2	HERBICIDE

# BUTTE®

HERBICIDE

For selective control of susceptible grass, broadleaf and sedge weeds in California water seeded rice

ACTIVE INGREDIENT:	%BY WT.
Benzobicyclon, -3-[2-chloro-4-(methylsulfonyl)benzoyl]-4-(phenylthio) bicyclo-[3.2.1]oct-3-en-2-ne.....	3.00%
Halosulfuron-methyl, methyl 3-chloro-5-(4,6-dimethoxypyrimidin-2-ylcarbamoylsulfamoyl)-1-methylpyrazole-4-carboxylate.....	0.64%
Other Ingredients:.....	96.36%
TOTAL	100.0%

## KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID	
<b>IF ON SKIN</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>
<b>IF INHALED</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center, doctor, or going for treatment. Contact 1-888-478-0798 for emergency medical treatment information.	

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

Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Harmful if inhaled. Avoid breathing dust, vapor or spray mist. Remove and wash contaminated clothing before reuse. Wear long sleeved shirt, long pants, waterproof gloves, and shoes plus socks.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

Follow the 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. 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.

NET CONTENTS: \_\_\_\_ LB



EPA Reg. No. 10163-XXX  
EPA Est. No.

Produced For:  
Gowan Company  
P.O. Box 5569  
Yuma, AZ 85366-5569

### USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands thoroughly after handling and 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

BUTTE herbicide is toxic to aquatic organisms. Except when treating rice fields as specified in the label, do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply where runoff is likely to occur. Do not contaminate water when disposing of equipment wash waters or rinseate. Do not apply when weather conditions favor drift from the area treated. Apply this product only as specified on this label.

### PHYSICAL AND CHEMICAL HAZARDS

Do not mix or allow contact with oxidizing agents as hazardous chemical reactions may occur.

### PRODUCT INFORMATION

BUTTE herbicide is a granular (GR) herbicide formulation for use in California water seeded rice. BUTTE herbicide is applied postflood as a pre and post-emergence herbicide for the selective control of susceptible grass, broadleaf and sedge weeds. BUTTE herbicide is a combination of a HPPD inhibitor (Benzobicyclon) and an ALS inhibitor (Halosulfuron-methyl) and this mixture controls weeds from both foliar and root uptake.

Benzobicyclon, the major component of the formulation, is a pro-herbicide and the formulated product must be applied into flooded fields to allow for conversion to the herbicidal active ingredient. Application to dry soils will provide minimal weed control. BUTTE herbicide can be incorporated into a wide range of weed control programs and has not been shown to exhibit antagonism with any other classes of chemistry.

### DIRECTIONS FOR USE

READ ALL DIRECTIONS FOR USE BEFORE USING THIS PRODUCT.

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. Only protected handlers may be in the area during application.

For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation.

### 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) and restricted-entry interval. 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:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

### RICE VARIETIES

BUTTE herbicide has been tested on a wide range of rice varieties. Use care when using BUTTE herbicide on newly developed rice varieties until the varietal tolerance to BUTTE herbicide has been determined. Consult UC Agricultural Extension Specialist or County Farm Advisors for more information

### RESISTANCE MANAGEMENT

BUTTE herbicide contains a combination of an HPPD inhibitor (WSSA group 27) Benzobicyclon and an ALS inhibitor (WSSA group 2) Halosulfuron-methyl. Weed species with acquired resistance to (Group 27) Benzobicyclon and (Group 2) Halosulfuron-methyl herbicides may eventually dominate the weed population if (Group 27) Benzobicyclon and (Group 2) Halosulfuron-methyl herbicides are used repeatedly in the same field 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 BUTTE herbicide.

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.

To delay herbicide resistance consider:

- Avoiding the consecutive use of Butte Herbicide or other target site of action (Group 27) Benzobicyclon or (Group 2) Halosulfuron-methyl herbicides that have a similar target site of action, on the same weed species.

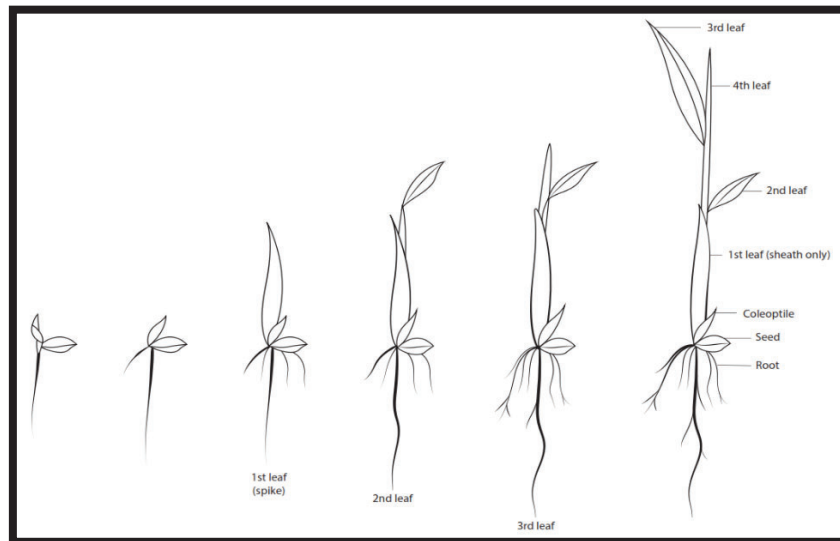
- Using tank mixtures or premixes with herbicides from different target site of action groups as long as the involved products are all registered for the same use, have different sites of action, and are both effective at the tank mix or prepack rate on the weed(s) of concern.
- Basing herbicide use on a comprehensive IPM program.
- Monitoring treated weed populations for loss of field efficacy.
  - Fields should be scouted prior to application to identify the weed species present and their growth stage to determine if the intended application will be effective.
  - Fields should be scouted after application to verify that the treatment was effective.
- Contacting your local extension specialist, certified crop advisors, and/or manufacturer for herbicide resistance management and/or integrated weed management recommendations for specific crops and resistant weed biotypes.

For further information or to report suspected resistance, you may contact Gowan Company at 1-800-883-1844.

### REPLANTING INSTRUCTIONS

If initial planting of rice fails to produce a uniform stand, rice may be replanted in fields treated with BUTTE herbicide. Do not apply a second application of BUTTE herbicide to fields that have been previously treated with BUTTE herbicide. Do not replant any treated fields with any crop other than rice.

**Diagram 1. Rice Stage Range for Application of BUTTE herbicide**



### APPLICATION INSTRUCTIONS

CROP	RATE LB/A	WEEDS CONTROLLED
Rice	7.5 to 9.0 lb	Monochoria ( <i>Monochoria spp</i> ) Ricefield bulrush ( <i>Scirpus mucronatus</i> ) Smallflower umbrella sedge ( <i>Cyperus difformis</i> ) Sprangletop ( <i>Leptochloa fascicularis</i> ) Water hyssop ( <i>Bacopa. spp</i> )
CROP	RATE LB/A	WEEDS SUPPRESSED
Rice	7.5 to 9.0 lb	California arrowhead ( <i>Sagittaria montevidensis</i> ) Ducksalad ( <i>Heteranthera limosa</i> ) Barnyardgrass ( <i>Echinochola crus-galli</i> ) Early Watergrass ( <i>Echinochloa oryzoides</i> ) Late Watergrass /Rice Mimic ( <i>Echinochloa phyllopogon</i> )

#### COMMENTS:

- Apply BUTTE herbicide at day of seeding to 4 true leaf rice (see Diagram 1).
- Apply 7.5 - 9.0 lb of BUTTE herbicide (0.23 – 0.27 lb ai Benzobicyclon) and (0.019 – 0.058 lb Halosulfuron-methyl) per acre.
- Apply BUTTE postflood as a pre and postemergence herbicide.
- Apply BUTTE herbicide by air through properly calibrated equipment at an appropriate release height for best coverage and aircraft safety.
- Do not apply BUTTE herbicide by air when wind velocity exceeds 10 mph. or optimum grass suppression, apply at 0.5 to 2 true leaf stage grass weeds.
- Application to grasses outside this size range may lead to reduced efficacy.
- For suppression of Late Watergrass and Rice Mimic, use the 9 lb. rate.

**RESTRICTIONS:**

- Preharvest Interval: Do not harvest rice that has been treated with BUTTE herbicide within 82 days of application.
- BUTTE herbicide can only be used in rice that will be followed by rice the following year.
- Do not apply BUTTE herbicide within 50 feet of any sensitive crops.
- Direct application to ditches used to transport irrigation water is prohibited.
- Do not apply under conditions that would allow BUTTE herbicide to come into contact with adjacent crops other than rice by drift as injury may occur.
- Do not make more than 1 application or apply more than 9 lb of BUTTE herbicide (0.27 lb ai Benzobicyclon) and (0.058 lb Halosulfuron-methyl) per annual growing season.
- Do not apply where runoff or irrigation water may flow directly onto agricultural land other than rice fields.
- Do not apply this product through any type of irrigation system.
- Do not fish or commercially grow fish, shellfish or crustaceans on treated acres during the year of treatment.
- Do not use on Wild Rice (*Zizania* sp.)
- Apply BUTTE herbicide only in California on flooded rice paddies.
- Apply BUTTE herbicide to rice only as specified on this label. Do not apply to any other crop or site.
- This product is not intended for use in manufacturing or reformulation.

**WATER MANAGEMENT GUIDELINES****Permanent Flood:**

- Average water depth at application should be a minimum of 4 inches with no bare soil.
- For best control maintain permanent flood at a minimum depth of 4 inches for 7 days.
- Minimum water hold period for BUTTE herbicide is twenty (20) days.

**STORAGE AND DISPOSAL**

**DO NOT** contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

**PESTICIDE STORAGE:** Store in a cool place.

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Improper disposal of excess pesticide, pesticide spray 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. 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.

**FOR 24-HOUR EMERGENCY ASSISTANCE (SPILL, LEAK, OR FIRE), CALL CHEMTREC® (800) 424-9300.**

**For other product information, contact Gowan Company or see Material Safety Data Sheet.**

**NOTICE OF CONDITIONS OF SALE AND WARRANTY AND LIABILITY LIMITATIONS**

Important: Read the entire Directions for Use and Notice of Conditions of Sale and Warranty and Liability Limitations before using this product. If terms are not acceptable return the unopened container for a full refund.

Our directions for use of this product are based on tests believed to be reliable. However, it is impossible to eliminate all risk associated with the use of this product. Crop injury, inadequate performance, or other unintended consequences may result due to soil or weather conditions, off target movement, presence of other materials, method of use or application, and other factors, all of which are beyond the control of Gowan Company. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer and User. Gowan Company warrants that this product conforms to the specifications on the label when used in strict conformance with Direction for Use, subject to the above stated risk limitations. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, GOWAN COMPANY MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER'S OR USER'S EXCLUSIVE REMEDY AND GOWAN COMPANY'S EXCLUSIVE LIABILITY FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, OR ANY OTHER LEGAL THEORY IS STRICTLY LIMITED TO THE PURCHASE PRICE PAID OR REPLACEMENT OF PRODUCT, AT GOWAN COMPANY'S SOLE DISCRETION.

BUTTE® herbicide is a registered trademark of Gowan Company, L.L.C.

EPA Text: BUTTE herbicide (To EPA 11-06-17)