

228-232

7/24/2003

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

July 24, 2003

Mr. Russell Sawyer  
Nurfarm America Inc.  
1333 Burr Ridge Parkway  
Suite 125A  
Burr Ridge, IL 60527-0866

Dear Mr. Sawyer:

**Subject: Label Amendment Per PR Notices 2001-1 and other minor changes  
Riverdale® 4% Bromacil Granular Weed Killer  
EPA Registration No. 228-232  
Your Submission Dated May 15, 2003**

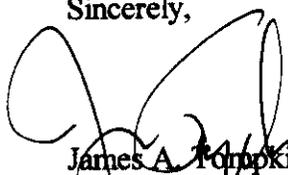
The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable provided you make the following label changes.

1. The Hazards to Humans and Domestic Animals and First Aid statements must appear in the order of most server routes of exposure first. Therefore revise the order of the first aid statements so that the If on Skin or Clothing statement appears as the first statement in the matrix.
2. Under the Storage and Disposal section, make the following changes:
  - a. Change "Storage" to "Pesticide Storage"
  - b. Move the statement "Do not contaminate water, food or feed, by storage or disposal" so it will appear directly under the heading Storage and Disposal.

LA

You must submit two (2) final printed label before you release the product for shipment.  
A stamped copy is enclosed for your records.

Sincerely,



James A. Tompkins  
Product Manager 25  
Herbicide Branch  
Registration Division (7505C)

Enclosure

3 2 5

RIVERDALE®

4% BROMACIL

GRANULAR WEED KILLER

FOR CONTROL OF WEEDS AND GRASSES IN NON-CROP AND INDUSTRIAL AREAS

ACTIVE INGREDIENT:

Bromacil (5-bromo-3-sec-butyl-6-methyluracil)\* . . . . . 4%

INERT INGREDIENTS: . . . . . 96%

TOTAL . . . . . 100%

\*U.S. Pats 3,235,357 & 3,352,862

Riverdale is a Registered Trademark of Riverdale - A Nufarm Company

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**SEE BACK PANEL FOR FIRST AID  
AND ADDITIONAL PRECAUTIONARY STATEMENTS**

NET WEIGHT LBS.

EPA REG. NO. 228-232

EPA EST. NO. 228-IL-1

MANUFACTURED BY NUFARM AMERICAS, INC., BURR RIDGE, ILLINOIS 60527-0866

ACCEPTED  
with COMMENTS  
In EPA Letter Dated  
**JUL 24 2003**

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
228-232



**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. Wash thoroughly with soap and water after handling.

**FIRST AID STATEMENT**

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**IF IN EYES:** 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.

**IF ON SKIN OR CLOTHING:** 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.

**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. Do not contaminate water by cleaning of equipment of disposal of wastes.

**DIRECTIONS FOR USE**

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

**ENTRY RESTRICTIONS**

Do not enter or allow others to enter treated area until dust has settled.

**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.

**NON-CROP WEED CONTROL - INDUSTRIAL USE ONLY**

Riverdale 4% Bromacil Granular is a non-selective herbicide for controlling a wide range of annual perennial weeds and grasses. It is recommended only for non-cropland areas such as rights-of-way for pipeline, utility, highway, and railroads; and industrial areas such as airports, petroleum tank farms, lumberyards, and plant sites. 200 to 300 pound applications of Riverdale 4% Bromacil Granular per acre usually result in a non-productive condition of the soil for a period of a year or more. The duration of non-productivity is dependent upon rainfall, soil type, and other conditions.

Riverdale 4% Bromacil Granular should be applied as furnished with a seed spreader, a fertilizer spreader, or with any equipment which will distribute the chemical uniformly over the area to be treated. For the control of annual and most perennial weeds and grasses, apply Riverdale 4% Bromacil Granular at the rate of 200 to 400 pounds per acre; on smaller plots, .5 to .69 pound per 100 square feet (12 lbs. Bromacil A.I. per acre per year). Repeat spot treatment may be required when deep-rooted perennial weeds are present. To obtain the best results, Riverdale 4% Bromacil Granular should be applied to the ground where it will be absorbed by the roots. Applications made early in the season have been found to give

results superior to applications at a later seasonal date. Riverdale 4% Bromacil Granular may, however, be applied at any time of the year. Maximum effectiveness in arid regions is obtained when application is made just prior to the rainy season. Users should consult state agricultural experimental stations or extension service weed specialists for recommendations as to use in their particular area.

**IMPORTANT: (NOT FOR RESIDENTIAL USE).** Do not apply on or near valuable woody or herbaceous plants or on areas where their roots may extend because of possible injury to such plants. Thoroughly clean spreading equipment with a suitable chemical cleaner before using for other purposes (or do not use same spreading equipment for other purposes). Do not use on croplands or any land to be used for subsequent cropping. Keep animals off treated areas. The total use of this product and other bromacil containing products cannot exceed the maximum use rate of 12 lbs. of active ingredient (ai) per acre per year.

#### STORAGE AND DISPOSAL

**STORAGE:** Always store pesticides in a secured warehouse or storage building. Do not store near feed or foodstuff. To prevent cross-contamination, do not store near open containers of fertilizer, seed or other pesticide. Do not contaminate water, food or feed by storage or disposal.

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

**CONTAINER DISPOSAL:** Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of liner in a sanitary landfill or by incineration if allowed by state and local authorities. If drum is contaminated and cannot be reused, dispose of in the same manner.

#### NOTICE OF WARRANTY

Nufarm Americas, Inc. warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with directions under normal use conditions. It is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of the seller. In no case shall the seller be liable for consequential, special, or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the buyer. Seller makes no warranties of merchantability or fitness for a particular purpose nor any other express or implied warranty except as stated above.

(RED 052297/RV 051503)