

228-231

7-15-2003

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

JUL 15 2003

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Mr. Russell F. Sawyer
Riverdale- A Nufarm Company
1333 Burr Ridge Parkway
Suite 125A
Burr Ridge, IL 60527-0866

Dear Mr. Sawyer:

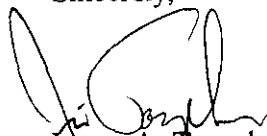
Subject: Riverdale 2% Bromacil Granular Weed Killer
EPA Registration Number 228-231
Application Dated 5/15/2003

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 changes before you release the product for shipment.

1. Change the order of precautionary statements to match the order of first aid statements, and organize both so that the order of the most severe routes of exposure are listed first.
2. Delete "Wash thoroughly with soap and water after handling" from under the precautionary statements.
3. Add "Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet" under DIRECTIONS FOR USE in a User Safety Recommendations Box per the RED.
4. Add "Do not apply this product in a way that will contact workers or other persons, either directly or through drift" in DIRECTIONS FOR USE section per the RED
5. Add "Do not enter or allow others to enter the treated area until dusts have settled" to DIRECTIONS FOR USE section per the RED.
6. Change the statement "Keep animals off treated areas" to "Keep children and animals off treated areas" under the DIRECTIONS FOR USE section.
7. Change "Storage" to "Pesticide Storage" under STORAGE AND DISPOSAL.
8. It is recommended that the statement "Do not contaminate water, food, or feed by storage and disposal" is moved to immediately under the heading "Storage and Disposal."
9. It is recommended that a PPE statement is added stating "Applicators and other handlers must wear long-sleeved shirt and long pants, shoes plus socks, and chemical resistant gloves" for good product stewardship.

Submit three (3) copies of final printed labeling incorporating the above changes before you release the product for shipment. Amended labeling will supercede all previously accepted ones. A stamped copy of labeling is enclosed for your records.

Sincerely,



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

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RIVERDALE®
2% BROMACIL
GRANULAR WEED KILLER

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

ACTIVE INGREDIENT:

Bromacil (5-bromo-3- <u>sec</u> -butyl-6-methyluracil)*	2%
INERT INGREDIENTS:	98%
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.

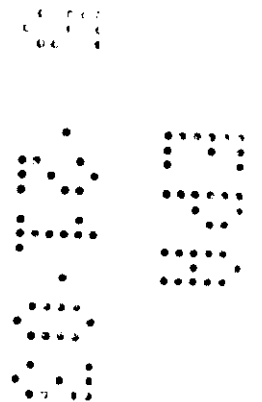
EPA REG. NO. 228-231

EPA EST. NO. 228-IL-1

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

ACCEPTED
with COMMENTS
In EPA Letter Dated
JUL 15 2003

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
228-231



(Back Panel)

**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 when disposing of equipment washwaters.

DIRECTIONS FOR USE

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

NON-CROP WEED CONTROL - INDUSTRIAL USE ONLY

Riverdale 2% Bromacil Granular is a non-selective herbicide for controlling a wide range of annual and 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. 400 to 600 pound applications of Riverdale 2% 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 2% 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 2% Bromacil Granular at the rate of 400 to 600 pounds per acre; on smaller plots, 0.92 to 1.38 pounds per 100 square feet (12 lbs. Bromacil A.I. per acre per year). The total use of this product and other bromacil containing products can not exceed the maximum use rate of 12 lbs. Of active ingredient (ai) per acre per year. Repeat spot treatment may be required when deep-rooted perennial weeds are present. To obtain the best results, Riverdale 2% 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 2% 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.

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 pesticides. 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

Seller warrants that this product conforms to the chemical description of 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)