



U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (H7505C)  
401 "M" St., S.W.  
Washington, D.C. 20460

EPA Reg. Number:  
228-367

Date of Issuance:  
AUG 27 1999

**NOTICE OF PESTICIDE:**  
  x   Registration  
     Reregistration

Term of Issuance:  
Conditional

Name of Pesticide Product:  
Riverdale Grass, Weed  
and Vegetation  
Herbicide (Killer) 18%  
Concentrate

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Riverdale Chemical Company  
425 West 194<sup>th</sup> Street  
Glenwood, IL 228-368

**Note:** Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A) provided that you:

1. Submit/cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) or 4(a) when the Agency requires all registrants of similar products to submit such data.
2. Add the phrase "EPA Registration No. 228-367." to your label before you release the product for shipment.
3. Submit three (3) copies of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of this product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

The Agency has recently revised its recommended First Aid statements for pesticide products and intends to issue a PR Notice announcing the changes in the near future. In the interim we are encouraging registrants to begin using the new statements. The new statements were developed as

Signature of Approving Official:

Date:

8-26-99

part of the Consumer Labeling Initiative in close cooperation with poison control center personnel and other medical experts. While it is not mandatory that you revise your label at this time, you are strongly encouraged to substitute the revised statements (below) for those statements currently on the label at your next label printing:

FIRST AID

If swallowed:	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to by a poison control center or doctor.</li> </ul>
If in eyes:	<ul style="list-style-type: none"> <li>• 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.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
If on skin:	<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>
If inhaled:	<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>

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

UICW

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RIVERDALE

GRASS, WEED AND VEGETATION HERBICIDE (KILLER) 18% CONCENTRATE  
CONTAINS GLYPHOSATE

This product is a nonselective herbicide that is diluted and applied to the foliage of actively growing weeds as a spot or broadcast application. It is absorbed by the leaves and moves throughout the stem and roots to control the entire plant. Visible symptoms may require a week or more to appear, with burndown usually occurring in 2 to 4 weeks. Symptoms are a gradual wilting and yellowing of the sprayed plant followed by deterioration of both shoots and roots. This product has no herbicidal activity in the soil and will not wash or leach to affect nearby vegetation.

This product controls many weeds around buildings, vacant lots, storage and recreational areas, gravel or ground bark mulch, shade trees, ornamentals and shrubs, along fences, sidewalks, driveways and patios; and prior to planting turfgrasses or shrubs listed on the label. When used as a spot treatment in lawns, all vegetation contacted will be damaged.

ACTIVE INGREDIENT:

Glyphosate, N-(phosphonomethyl) glycine, in the form of its isopropylamine salt*	18.00%
INERT INGREDIENTS:	82.00%
TOTAL	100.00%

This product is protected by U.S. pat. No. 4,405,531. Other patents pending. No license is granted under any non-U.S. patent(s).

KEEP OUT OF REACH OF CHILDREN

CAUTION

SEE SIDE PANEL FOR FIRST AID AND ADDITIONAL PRECAUTIONARY STATEMENTS

EPA REG. NO. 228-GAT

NET CONTENTS

GALS.

EPA EST. NO. 228-IL-1

**ACCEPTED**

AUG 27 1999

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 228-361

MANUFACTURED BY

RIVERDALE CHEMICAL COMPANY

GLENWOOD, ILLINOIS 60425-1584

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

Harmful if swallowed. May cause eye irritation. Avoid contact with skin, eyes or clothing.

**FIRST AID**

**IF IN EYES:** Immediately flush with plenty of water. Call a physician if irritation persists. Remove product from skin or clothing.  
**IF SWALLOWED:** This product will cause gastrointestinal tract irritation. Immediately dilute by swallowing water or milk. Call a physician.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Applicators and other handlers must wear: long-sleeved shirt and long pants, shoes plus socks. Follow 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.

**USER SAFETY RECOMMENDATIONS**

**USERS SHOULD:** Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

**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.

**PHYSICAL OR CHEMICAL HAZARDS**

Mix, store or apply this product only in stainless steel, aluminum, fiberglass, plastic or plastic-lined steel containers.  
DO NOT MIX, STORE OR APPLY THIS PRODUCT OR SPRAY SOLUTIONS OF THIS PRODUCT IN GALVANIZED STEEL OR UNLINED STEEL (EXCEPT STAINLESS STEEL) CONTAINERS OR SPRAY TANKS. This product or spray solutions of this product react with such containers and tanks to produce hydrogen gas which may form a highly combustible gas mixture. This gas mixture could flash or explode, causing serious personal injury, if ignited by open flame, spark, welder's torch, lighted cigarette or other ignition source.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. READ ENTIRE LABEL BEFORE USING THIS PRODUCT. USE STRICTLY IN ACCORDANCE WITH LABEL PRECAUTIONARY STATEMENTS AND DIRECTIONS.

Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. For use on plants intended for aesthetic purposes, or climatic modification and being grown in ornamental gardens or parks, or on golf courses or lawns and grounds.

THIS PRODUCT CAN INJURE OR DESTROY ALL VEGETATION CONTACTED. AVOID SPRAY DRIFT CONTACT WITH DESIRABLE LAWN GRASSES, FLOWERS, VEGETABLES, SHRUBS OR TREES. DO NOT CONTACT GREEN BARK OF TREES OR SHRUBS. IF DESIRABLE VEGETATION IS CONTACTED, WASH IMMEDIATELY WITH WATER.

**WEEDS CONTROLLED**

When applied as recommended under the conditions described, this product controls many common weeds including the following:

ANNUALS: Barnyardgrass, Bluegrass (annual), Chickweed, Crabgrass, Foxtail, Lambsquarter (common), Lettuce (prickly), Mustard (tansy), Pennycress (field), Pigweed (redroot, smooth), Ragweed (common), Ryegrass (annual), Sandbur (field), Shepherdspurse, Sowthistle.

PERENNIALS: Bahiagrass, Bermudagrass, Bindweed (field), Bluegrass (Kentucky), Fescue (tall), Johnsongrass, Nutsedge (purple, yellow), Orchardgrass, Bromegrass (smooth), Clover (red, white), Dallisgrass, Dandelion, Fescue species, Quackgrass, Ryegrass (perennial), Thistle (Canada), Timothy, Vaseygrass.

BRUSH: Alder, Blackberry, Cherry, Dewberry, Elderberry, Honeysuckle, Kudzu, Oak, Poison Ivy, Poison Oak, Raspberry, Rose (multiflora), Sumac, Trumpetcreeper, Willow.

#### WHEN TO APPLY

Apply to vigorously growing plants. Apply to annual weeds at any time after emergence. For best results apply to perennial weeds after seedheads, flowers, or berries appear. On woody brush or trees, apply after leaves have fully expanded. Applications made at less than the recommended stage of growth may result in reduced control. After mowing, clipping or tilling, allow weeds to regrow to the recommended growth stage before spraying this product. Rainfall or watering within 6 hours after application can wash the product off plant foliage which may require retreatment. Delay mowing, clipping, tilling, planting or sodding of treated areas for at least 7 day after application. This allows time for this product to move within the plant for most effective results. SINCE THIS PRODUCT DOES NOT WORK IN SOIL, RETREATMENTS WILL BE NECESSARY TO CONTROL NEW WEEDS EMERGING FROM SEED.

One application will control most weeds listed. Symptoms on certain tough perennial weeds and woody brush and tree species may be slow to develop. If control is not achieved within 4 weeks, allow time for the sprayed weeds to regrow and make a repeat application. In some cases, control of woody brush and trees treated in the fall may not be fully apparent until the following season.

#### LAWN RENOVATION

Best results are obtained when at least one mowing is skipped prior to treatment. This provides more leaf surface to intercept the spray. For areas where renovation and reseeding is desired, thorough spray coverage of all existing vegetation is necessary. Delay planting or sodding of treated areas for at least 7 days after application.

#### ORNAMENTALS

Any ornamental species may be planted in treated areas 7 days or more after application. Apply this product as recommended to control undesirable plants. To avoid injury on desirable plants, prevent spray or drift contact with foliage, stems or green bark. Do not spray into or over the top of growing ornamentals.

#### HAND-HELD SPRAYERS

Add 3 to 6 fluid ounces (6 to 12 tbsp.) of this product to 1 gallon of clean water. Use the higher recommended rate for control of listed perennials and brush. Use pump-up-type or hand-trigger-type sprayers. USE OF HOSE-END SPRAYERS OR SPRINKLER-TYPE DEVICES MAY RESULT IN POOR AND/OR ERRATIC RESULTS.

#### CLEANING EQUIPMENT

Triple-rinse spray tank and flush all sprayer components with water to remove residues of this product. After thorough cleaning, equipment may be used to apply other products. \*\*\*Ensure uniform and complete spray coverage, but do not spray plants to the point that the spray solution runs off. Use a coarse spray. Do not spray during windy conditions, as spray drift may cause damage to any vegetation contacted.

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**STORAGE AND DISPOSAL**

Do not contaminate water, foodstuffs, feed or seed by storage or disposal.

**STORAGE:** Store this product in its original container and in a secured storage area.

**DISPOSAL:** Wastes resulting from the use of this product that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticide disposal or in accordance with applicable Federal, state or local procedures. Emptied container retains vapor and product residue. Observe all labeled safeguards until container is destroyed. Do not reuse container. Triple rinse container. Then puncture and dispose of in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

NOTICE: Buyer assumes all responsibility for safety and use not in strict accordance with directions.