

Reg. # 228 242

PM-23

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Riverdale

C H E M I C A L C O M P A N Y

OFFICE: 425 WEST 194th STREET, GLENWOOD, IL 60425-1584
PLANT: 220 EAST 17th STREET, CHICAGO HEIGHTS, IL 60411-3699

June 3, 1993

Document Processing Desk (Notification)
Registration Division - H7505C
U. S. Environmental Protection Agency
401 M Street S.W.
Washington, DC 20460


Dear Sir/Madam:

Subject: PR Notice 93-3 dated March 9, 1993
Riverdale Weedestroy^(R) Amine 6D
EPA Reg. No. 228-242
OPP Identifier No. 196211

Please find enclosed the necessary paperwork to notify the Agency that we are revising our label in accordance with the above subject PR Notice. If there is anything else we should do at this time, please contact us immediately.

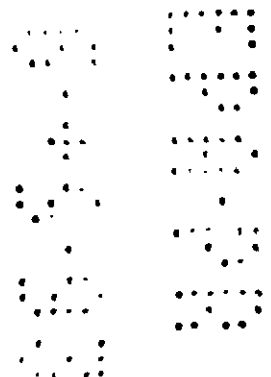
Sincerely yours,

RIVERDALE CHEMICAL COMPANY


By Russell F. Sawyer
Regulatory Affairs Manager

RFS:ls

Enc.



CPDA Chemical Producers
and Distributors
Association



(A) 	United States Environmental Protection Agency Office of Pesticide Programs (H7505C) Washington, DC 20460	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	OPP Identifier Number <h1 style="margin:0;">196211</h1>
	Application for Pesticide:		

Section I

1. Company/Product Number 228-242	2. EPA Product Manager Joanne I. Miller	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Riverdale Weedestroy (R) Amine 6D	PMS 23	
5. Name and Address of Applicant (Include ZIP Code) RIVERDALE CHEMICAL COMPANY 425 West 194th Street Glenwood, IL 60425-1584 <input type="checkbox"/> Check if this is a new address		3. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____

Section II

<input type="checkbox"/> Amendment - Explain below <input type="checkbox"/> Resubmission in response to Agency letter dated _____ <input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____ <input type="checkbox"/> "Me Too" Application. <input type="checkbox"/> Other - explain below.
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Explanation: Use additional page(s) if necessary. (For section I and Section II.)

To comply with PR Notice 93-3

NOTIFICATION LABEL NOT REVIEWED PER PR NOTICE 93-3
 DATE 7/1/93

Section III

1. Material This Product Will Be Packaged In:			
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	2. Type of Container <input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted. If "Yes," Unit Package wgt. No. per container		If "Yes," Package wgt. No. per container	
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) of Retail Container	
5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product		6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Other (_____) <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled	

Section IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Russell F. Sawyer	Title Regulatory Affairs Manager	Telephone No. (Include Area Code) 708/754-3380

Certification

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title Regulatory Affairs Manager	
4. Typed Name Russell F. Sawyer	5. Date June 3, 1993	

RIVERDALE
WEEDESTROY^(R)

AMINE 6D

A 2,4-D AMINE SALT HERBICIDE
FOR THE SELECTIVE CONTROL OF MANY BROADLEAF
WEEDS IN NON-CROP AREAS AND IN CERTAIN CROPS

ACTIVE INGREDIENT:

Dimethylamine Salt of 2,4-Dichlorophenoxyacetic Acid*	66.8Z
INERT INGREDIENTS:	33.2Z
TOTAL	100.0Z

Isomer Specific AOAC Method, Equivalent to:

*2,4-Dichlorophenoxyacetic Acid 55.5Z, 5.7 lbs./gal.

Weedestroy^(R) -- Registered Trademark of Riverdale Chemical Co.

KEEP OUT OF REACH OF CHILDREN

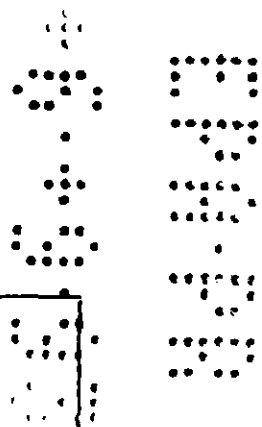
DANGER - PELIGRO

Si Usted no entiende la etiqueta, busque a alguien para que se la explique a Usted en detalle.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS AND STATEMENT OF PRACTICAL TREATMENT

EPA REG. NO. 228-242 NET CONTENTS GAL. EPA EST. NO. 228-IL-1

MANUFACTURED BY
RIVERDALE CHEMICAL COMPANY
GLENWOOD, ILLINOIS 60425-1584



PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER - PELIGRO

CORROSIVE: Causes eye damage. Do not get in eyes or on clothing.

Revised A/O 3/9/93

NOTIFICATION
LABEL NOT REVIEWED
PER FR NOTICE 88-6
DATE 7/1/93

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May be fatal if absorbed through skin. Avoid contact with skin, may cause skin irritation. Wash thoroughly with soap and water after handling. Harmful if swallowed or inhaled. Avoid inhaling vapor or spray mist. Remove saturated clothing as soon as possible and shower. Do not apply this product in such a manner as to, directly or through drift, expose workers or other persons. The area being treated must be vacated by unprotected persons.

If this container is over one gallon and less than five gallons, then persons engaged in open pouring of this product must also wear coveralls or a chemical resistant apron. If this container is five gallons or more in capacity, then a mechanical system (probe and pump) must be used for transferring the contents of this container. If the contents of a non-refillable pesticide container are emptied, the probe must be rinsed before removal.

Please see additional Precautionary Statements in Directions For Use instructions.

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or poison control center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. If unconscious - do not induce vomiting or give anything by mouth.

IF ON SKIN: Wash skin with soap and water. Get medical attention.

IF IN EYES: Hold eyes open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention.

ENVIRONMENTAL HAZARDS

This product is toxic to aquatic invertebrates. Drift or runoff may adversely affect aquatic invertebrates and nontarget plants. For terrestrial uses, 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. Do not apply this product through any type of irrigation system. Do not contaminate water used for irrigation or domestic purposes. Use care to avoid spray contact or drift to 2,4-D susceptible plants such as cotton, tomatoes, flowers, grapes, fruit, trees and ornamentals. Excessive amounts of this product in soil may temporarily inhibit seed germination and plant growth. Do not permit spray mist containing this product to drift onto them. Do not spray when the wind is blowing towards susceptible crops or ornamental plants. Use coarse sprays to minimize drift. Spray drift can be lessened by keeping the spray boom as low as possible, by spraying when wind velocity is low, and by stopping all spraying when wind exceeds 6 to 7 miles per hour. Do not use the same spray equipment for applying other materials to 2,4-D susceptible crops as injury may result. It is best to use a separate sprayer for application of insecticide and fungicides.

Most cases of groundwater contamination involving phenoxy herbicides such as 2,4-D have been associated with mixing/loading and disposal sites. Caution should be exercised when handling 2,4-D pesticides at such sites to prevent contamination of groundwater supplies. Use of closed systems for mixing and transferring this pesticide will reduce the probability of

spills. Placement of the mixing/loading equipment on an impervious pad to contain spills will help prevent groundwater contamination.

When using on Pastures and Rangeland Grasses there is a (1) 7 day pre-grazing interval for dairy cattle; (2) 30 day preharvest interval for grass cut for hay; and (3) 3 day pre-slaughter interval for meat animals.

DIRECTIONS FOR USE

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

RE-ENTRY STATEMENT

Do not enter treated areas without protective clothing until sprays have dried. Because certain states may require more restrictive re-entry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. Warnings should state: "Do not enter treated areas unless wearing chemical resistant full body clothing including NIOSH approved respirator, goggles and gloves until sprays have dried". When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information:

Danger: Area treated with 2,4-D Amine Salt on date of application. Do not enter without appropriate protective clothing until sprays have dried. In case of accidental exposure, follow precautionary statements on label.

ADDITIONAL PRECAUTIONARY STATEMENTS FOR AGRICULTURAL CROP USES AND INDUSTRIAL APPLICATIONS

When mixing, loading or applying this product or repairing or cleaning equipment used with this product, wear eye protection (face shield or safety glasses), chemical resistant gloves, long-sleeved shirt, long pants, socks and shoes. It is recommended that safety glasses include front, brow and temple protection. For aerial applications in an enclosed cockpit and applicators applying this product from a tractor that has been a completely enclosed cab, eye protection is not required. Wash hands, face and arms with soap and water as soon as possible after mixing, loading or applying this product. Wash hands, face and arms with soap and water before eating, smoking or drinking. Wash hands and arms before using toilet. After work, remove all clothing and shower using soap and water. Do not reuse clothing worn during the previous day's mixing and loading or application of this product without cleaning first. Clothing must be kept and washed separately from other household laundry. The rates of applications for pastures and rangelands are per acre per application site. Do not enter or allow worker entry into treated areas during the restricted-entry interval of 48 hours. There isn't any reentry restriction for Industrial applications, nor non-crop uses of pastures and rangelands.

Local conditions may affect the use of herbicides. We believe the following instructions can be depended upon but users are advised to follow recommendations of local Agriculture Experiment Station and Extension Service weed control specialist regarding the quantity of water and of Amine 6D to be used.

GENERAL INFORMATION: The smaller doses are usually satisfactory for susceptible and young tender and succulent weeds. For more resistant weeds and under conditions where control is difficult, use the higher dosages.

Use the recommended quantity per acre of Amine 6D with enough water for uniform distribution. To prepare to spray, first add one-half of the water to the tank, then add the Amine 6D, stirring the mixture and finally add the rest of the water with constant stirring. Apply when weeds are tender and actively growing, using moderate pressure.

WEED LIST

WEDESTROY AMINE 6D is Recommended for Controlling: Alligator weed, Docks, Fanweed, Lambsquarters, Mustards, Peppergrass, Pigweed, Plantain, Shepherdspurse, Tarweed, Thistles, Vetch, Wild carrot, Wild Morningglory, Wild radish and many other broadleaf weeds without injury to most grasses. Used on lawns, golf courses, parks, playgrounds and other recreational areas along highways and railroad rights-of-way, on airfields, drainage ditchbanks, pasture lands, around farm buildings and in field crops such as listed on this label.

RECOMMENDED AMINE 6D HERBICIDE DOSAGES FOR CROPLAND
READ COMPLETE DIRECTIONS BEFORE USING

Crop	Amine 6D (Amount per Acre)	When to Use	Gallons of Spray per acre	Remarks
Sugarcane	1--1-1/2 qts.	Pre-emergence	30-50	Use lower rates on sandy soils. Clay soils require higher rates.
	2/3--1-1/2 qts.	Post-emergence	30-50	Use as overall application when weeds are small. Apply in Spring after sugar cane emerges and through lay-by.
	1 Tablespoon per gallon of spray.	Spot	5-10	Apply as directed spray, wetting weeds well.
Rice	1--1-1/2 pts.	Post-emergence	5-10	Apply when rice is in late tillering stage before boot or panicle development. This is usually 4-8 weeks after emergence. When flooded, treat 7-9 weeks after seeding, 3-21 days after plants have emerged above water and leaves are standing erect. Do not apply after seed stalks have emerged.
Corn	2/3--1-1/2 qts.	Pre-emergence	10-20	Apply 3-5 days after planting but before corn emerges; do not treat very light, sandy soil.
	1/2 at.	Emergence	5-10	Apply just as the seedling corn is breaking through the ground.
	2/3 pt.	Post-emergence	5-10	If corn plants are over 8 inches

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tall use directed spray. Do not apply from tasseling to dough stage.

Grass	1--2 pts.	Post-emergence	5-10	Most legumes including clover and newly seeded pasture may be <u>sev. rely damaged.</u>
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Best results from pre-emergence treatment are obtained when soil is well pulverized and in good seed bed condition.

A tablespoonful in two gallons of water is about equal to one pound of 2,4-D in 100 gallons of water.

Be sure that use of this product conforms to all applicable regulations.

**FOR USE IN CROP RESIDUE MANAGEMENT SYSTEMS
IN SOYBEANS (Preplant only)**

GENERAL INFORMATION: Riverdale 2,4-D 6 Amine is a herbicide that provides control of many emerged susceptible annual and perennial broadleaf weeds. Riverdale 2,4-D 6 Amine may be applied prior to planting soybeans to provide foliar burndown control of susceptible annual and perennial broadleaf weeds and certain broadleaf cover crops such as those listed on this label. Riverdale 2,4-D 6 Amine should only be applied preplant to soybeans in situations such as reduced tillage production systems, where emerged weeds are present. Apply only according to the application instructions given below. Do not use any tillage operations between application of Riverdale 2,4-D 6 Amine and planting soybeans.

MIXING INSTRUCTIONS: Compatible crop oil concentrates, agricultural surfactants and fluid fertilizers approved for use on growing crops may increase the herbicidal effectiveness of 2,4-D on certain weeds and may be added to the spray tank. Read and follow all directions and precautions on this label and on all labels of adjuvants or fertilizers mixed with this product.

APPLICATION PROCEDURES: Apply using air or ground equipment in sufficient gallonage to obtain adequate coverage of weeds. Use 2 or more gallons of water per acre in aerial equipment and 10 or more gallons of water per acre in ground equipment.

APPLICATION TIMING AND USE RATES:

2,4-D Formulation Used	Maximum Rate (per acre)	When to Apply (Days prior to planting soybeans)
2,4-D 6 Amine	2/3 pint (11.2 fl. oz.) (0.5 lb. a.e./acre)	NOT LESS THAN 15 DAYS
	1-1/3 pint (22.5 fl.oz.) (1.0 lb. a.e./acre)	NOT LESS THAN 30 DAYS

WEEDS CONTROLLED: Alfalfa*, Bindweed*, Bullnettle, Bittercress-smallflowered, Buttercup-smallflowered, Carolina geranium, Cinquefoil-common and rough, Clover-red*, Cocklebur-common, Dandelion*, Eveningprimrose-cutleaf, Garlic-wild*, Horsetweed or

marestail, Ironweed, Lambsquarters-common, Lettuce-prickly, Morningglory-annual, Mousetail, Mustard-wild, Onion-wild*, Pennycress-field, Peppergrass*, Purslane-common, Ragweed-common, Ragweed-giant, Shepherdspurse, Smartweed-Pennsylvania*, Sowthistle-annual, Speedwell, Thistle-Canada*, Thistle-bull, Velvetleaf, Vetch-hairy*, Virginia copperleaf.

*These species are only partially controlled.

For best weed control at time of treatment, weeds should be small, actively growing and free of stress caused by extremes in climatic conditions, diseases, or insect damage. The response of individual weed species to Riverdale 2,4-D 6 Amine is variable. Consult your local county or State Agricultural Extension Service or crop consultant for advice.

APPLICATION RESTRICTIONS AND PRECAUTIONS: Important Notice - Unacceptable injury to soybeans planted in fields treated with Riverdale 2,4-D 6 Amine may occur. Whether or not soybean injury occurs and the extent of the injury will depend on weather (temperature and rainfall) from herbicide application until soybean emergence and agronomic factors such as the amount of weed vegetation and previous crop residue present. Injury is more likely under cool rainy conditions and where there is less weed vegetation and crop residue present.

Do not use on low organic sandy soils (<1.0%).

Apply a maximum of one application per growing season regardless of the treatment rate.

Do not apply Riverdale 2,4-D 6 Amine when weather conditions such as temperature air inversions or wind favor drift from treated areas to susceptible plants.

Livestock Grazing Restriction: Do not feed hay, forage or fodder. Restrict livestock from grazing treated fields. Livestock should be restricted from feeding/grazing of treated cover crops.

In fields treated with Riverdale 2,4-D 6 Amine, plant soybean seed as deep as practical or at least 1.0 inch deep. Adjust the planter, if necessary, to ensure that planted seed is completely covered.

Do not use any tillage operations between application of Riverdale 2,4-D 6 Amine and planting soybeans.

Do not apply Riverdale 2,4-D 6 Amine prior to planting soybeans, if you are not prepared to accept the results of soybean injury, including possible loss of stand and yield.

Do not replant fields treated with Riverdale 2,4-D 6 Amine in the same growing season with crops other than those labeled for 2,4-D use.

ADDITIONAL PRECAUTIONARY STATEMENTS FOR TURF CONTROL

When using this product, wear long-sleeved shirt, long pants, socks, shoes, rubber gloves and eye protection. It is recommended that safety glasses include front, brow and temple protection. In addition to the clothing and eye protection listed above, commercial mixers/loaders/applicators must wear chemical resistant in place of rubber gloves except

when the product is to be applied to a golf course. After using this product, rinse gloves before removing, remove clothing and launder separately before reuse, and promptly and thoroughly wash hands and exposed skin with soap and water. The maximum number of broadcast applications per treatment site is 2 per year. Do not allow people (other than applicator) or pets on treatment area during application. Do not enter treatment areas until spray has dried.

FOR ROADSIDES AND OTHER NON-CROP AREAS: Apply from 1 to 2 pints of Amine 6D per acre in a convenient amount of water so that the entire area can be sprayed uniformly with equipment available. On turf, apply a maximum of 2.8 pints of this product per acre per application per site.

STORAGE AND DISPOSAL

STORAGE: Always store pesticides in a secured warehouse or storage building. Do not store near seeds, fertilizers, insecticides or fungicides. Store at temperatures above 32°F. If allowed to freeze, rewarm to 40°F, remix thoroughly before using. This does not alter this product. Containers should be opened in well-ventilated areas. Keep container tightly sealed when not in use. Do not stack cardboard cases more than two pallets high. Do not contaminate water, food or feed by storage or disposal.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. If container is damaged or if pesticide has leaked, contain all spillage. Absorb and clean up all spilled material with granules or sand. Place in a closed, labeled container for proper disposal. Improper disposal of excess pesticide, spray mixtures, or rinsate is a violation of Federal law and may contaminate groundwater. 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 DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by procedures approved by state and local authorities.

Local conditions may affect the use of herbicides. State Agricultural Experiment Station or Extension Service weed specialists in many states issue recommendations to fit local conditions.

WARRANTY

Seller warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions of use but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use. The exclusive remedy of user or buyer and the limit of liability of Riverdale Chemical Company is the purchase price paid for the quantity of product involved.

(ERP 102393) (PR933 042194)