

Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval expires 2-28-95



United States
Environmental Protection Agency
Washington, DC 20460

Registration
 Amendment
 Other

OPP Identifier Number
225691

Application for Pesticide - Section I

1. Company/Product Number 478-121	2. EPA Product Manager J. Miller	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Real-Kill Broadleaf Weed Killer	PM# 23	
5. Name and Address of Applicant (Include ZIP Code) Realex, Div. of United Industries Corp. P.O. Box 15842 St. Louis, MO 63114-0842 <input type="checkbox"/> Check if this is a new address	6. 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"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Notification per PR Notice 95-2

Add marketing phrases, correct directions for use, and make other minor modifications.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
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		<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 Packaging 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) 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"/> Paper glued <input type="checkbox"/> Stenciled	<input type="checkbox"/> Other _____		

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Kelly Loft	Title Regulatory Affairs Specialist	Telephone No. (Include Area Code) 800-242-1166
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, both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title Regulatory Affairs Specialist	
4. Typed Name Kelly Loft	5. Date December 5, 1995	

Real-Kill® Broadleaf Weed Killer

EPA Reg. No. 478-121



Treats Northern and Southern Grasses

Bluegrass, Fescue, Zoysia, Bermuda, St. Augustine, Bentgrass, Centipede, Bahia, Rye

Kills the Weeds, not the Lawn • Kills 33+ Weed Types Roots and All • Kills 33+ Weeds

Kills Dandelion, Chickweed, Wild Onion, Plantain, Poison Ivy and many others. Weed details on back

ECONOMICAL CONCENTRATE • WATER-BASED

1 quart treats up to 16,000 square feet

Treats 16,000 sq. ft. of Southern grasses or 8,000 sq. ft. of Northern grasses

Active Ingredients

- * Dimethylamine salt of 2,4-dichlorophenoxyacetic acid 7.59%
 - ** Dimethylamine salt of 2-(2-methyl-4-chlorophenoxy) propionic acid 3.66%
 - *** Dimethylamine salt of Deamra (2,6-dichloro-o-anisic acid) 0.84%
 - Inert Ingredients 87.91%
- * 0.543 lb 2,4 dichlorophenoxyacetic acid equivalent per gallon or 6.30% ** 0.26 lb 2-(2-methyl-4-chlorophenoxy) propionic acid equivalent per gallon or 3.02% *** 0.059 lb 3,6-dichloro-o-anisic acid equivalent per gallon or 0.69%

Keep Out of Reach of Children

CAUTION See Back for Additional Precautionary Statements

NET CONTENTS 32 fl. oz./1 Quart

(Optional Claims)

Especially effective on all types of hard-to-kill weeds
Dilutable concentrate • For home lawn care • Kills over 33 weed types including dandelions, chickweed, wild onions, plantain and poison ivy • Kills broadleaf weeds in lawns

Real-Kill Broadleaf Weed Killer controls more than 33 troublesome weeds including Dandelions, Clover, Plantain and Wild Onion. It kills even woody weeds like Poison Ivy and Poison Oak in both Northern and Southern lawns.

This *concentrated* formula covers 16,000 sq. ft. of Southern grasses or 8,000 sq. ft. of Northern grasses per quart. (Alternate: This *concentrated* formula covers up to 16,000 sq. ft. per quart. See specific directions for St. Augustine and other Southern grasses.)

WEEDS CONTROLLED: Bedstraw, Black Medic, Buckhorn, Burdock, Chickweed, Chicory, Clover, Dandelion, Dock, Ground Ivy, Heal-All, Henbit, Knotweed, Lambsquarters, Lespedeza, Mallow, Morning glory, Oxalis, Peppergrass, Pepperweed, Pigweed, Plantain, Poison Ivy, Poison Oak, Purslane, Ragweed, Sheep Sorrel, Shepherd's Purse, Speedwell, Spurge (Spotted), Wild Carrot, Wild Garlic, Wild Lettuce, Wild Onion, Yarrow and other problem broad-leaf weeds.

STOP. READ ENTIRE LABEL BEFORE USE (Alternate: STOP. READ ALL INSTRUCTIONS INSIDE BEFORE USING.)

DIRECTIONS FOR USE: It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Shake well before using.

MEASUREMENT CALCULATIONS: Calculate square feet by multiplying length by width. 1 fl. oz. = 2 tablespoons (6 teaspoons); 2 fl. oz. = 4 tablespoons; 4 fl. oz. = 1/2 cup; 8 fl. oz. = 1 cup; 16 fl. oz. = 1 pint; 32 fl. oz. = 1 quart

WHEN TO USE:

- 1) **SPRING:** The best time to treat weeds is when they are small and growing.
- 2) **FALL:** Many problem weeds germinate in the fall and a treatment then will eliminate many of next year's weeds

HOW MUCH TO USE:

SPOT TREATMENT

To spray small areas or individual weeds, use a pressure sprayer for better control. Do not use a hose-end sprayer. Mix 1 fl. oz. (2 Tbsp.) in one gallon of water. Shake well before spraying. Be certain to wet each weed.

ENTIRE LAWN

PRESSURE SPRAYERS (Optional Directions)

Measure amount of concentrate from chart below into sprayer tank and dilute

with 1 gallon of water. Close to a spray pattern that gives small sq. ft.

Grass Type	Amount of Concentrate Required to Treat
St. Augustine*, Bahia, Centipede	1/2 fl. oz.
Bermuda, Bentgrass	2/3 fl. oz.
Bluegrass, Fescue, Rye, Zoysia	1 fl. oz.

***DO NOT USE ON FLORIDA FLORIDA.**

HOSE-END SPRAYERS "CONCENTRATE ONLY" (DILUTE)

- 1) From the chart below determine amount of concentrate to use each 250 sq. ft. of lawn.
- 2) Fill sprayer jar with enough concentrate to treat area. Do not add water to sprayer.
- 3) Set dial on sprayer to the amount of concentrate to use.
- 4) Attach sprayer to hose. Spray treated area and work back toward untreated areas. Apply evenly to lawn.

Grass Type	Dilution Setting
St. Augustine*, Bahia, Centipede	1/2 fl. oz.
Bermuda, Bentgrass	2/3 fl. oz.
Bluegrass, Fescue, Rye, Zoysia	1 fl. oz.

***DO NOT USE ON FLORIDA FLORIDA.**

EXAMPLE: To treat 1,000 sq. ft. of lawn, set dial on sprayer with sprayer dial set to 1/2 fl. oz. when you purchased your sprayer dial sprayer

CONCENTRATE-PLUS-WATER* SPRAYERS

For sprayers that require addition of water as well as concentrate prior to application

- 1) From the chart below, determine amount of concentrate required to treat each 250 sq. ft. of lawn
- 2) Pour concentrate into sprayer jar to the required "fl. oz." level.
- 3) Then add the appropriate amount of water to the "gals." level. Replace sprayer top on jar and shake well before spraying.
- 4) Attach sprayer to hose. Extend hose to the farthest area of lawn to be treated and work back toward faucet so that you do not walk over treated areas. Apply evenly to lawn.

OUNCES OF CONCENTRATE TO USE FOR:

Sq. Ft. to be Treated	St. Augustine*, Bahia, Centipede	Bermuda, Bentgrass	Bluegrass, Fescue, Rye, Zoysia	Gallons of Water
250	1/2	2/3	1	1
1,000	2	2 2/3	4	4
5,000	10	13 1/3	20	20
8,000	16	21 1/3	32	32

***DO NOT USE ON FLORATAM VARIETY OF ST. AUGUSTINE GRASS IN FLORIDA.**

EXAMPLE: To treat 1,000 sq. ft. of Fescue pour in concentrate to the 4 fl. oz. mark and add water to the 4 gallon mark. Check the directions you received when you purchased your sprayer for further details on the proper use of your sprayer.

Optional Marketing phrase: Just connect to your garden hose and spray!

READY SPRAY NOZZLE (Optional Directions)

- 1) Shake container well before using.
- 2) Connect a garden hose to the ready spray nozzle. Make sure the yellow water control dial on the nozzle is in the "OFF" position.
- 3) Turn on water at faucet. Extend hose to the farthest area of lawn to be treated and work back toward faucet so that you do not walk over treated areas. Twist the small, yellow concentrate control button to align the flat portion with the lock tab. Push the button in to open.
- 4) To **BEGIN** spraying, point nozzle toward lawn and turn the yellow water control dial to the "ON" position. Water will automatically mix with the concentrate. Walk at a steady pace while spraying using an even sweeping motion, slightly overlapping treated areas. One quart will treat 16,000 sq. ft. of Southern lawn or 8,000 sq. ft. of Northern lawn. Calculate square feet by multiplying length by width. **NOTE:** Do not use on Floratam

- variety of St. Augustine grass in Florida.
- 5) To **STOP** spraying turn yellow water control dial to the "OFF" position. Push small yellow concentrate control button in to close. Turn off water at faucet. To relieve pressure, turn yellow water control dial to "ON" position until water stops spraying before removing nozzle from hose.
- 6) To **STORE** unused concentrate, place in cool area away from heat, direct sunlight or open flame.

Northern Lawns (covers 8,000 sq. ft.)	Southern Lawns (covers 16,000 sq. ft.)
Bluegrass, Fescue, Rye, Zoysia	Bahia, Bermuda, Bentgrass, Centipede, St. Augustine
NOTE: Do not use on Floratam variety of St. Augustine grass in Florida. If you are unsure as to what type of grass you have, contact your county extension agent.	

USE TIPS

- 1) For best results, mow before treating weeds.
- 2) Do not treat when air temperatures exceed 85°F or damage to grass may occur.
- 3) Do not water within 24 hours after treatment. Poor weed control may result if spray is applied just before rain.
- 4) For new lawns, treat within 24 hours after seeding. On established lawns, wait 3 weeks after treatment before re-seeding. Once new grass has started to grow, wait until it has reached a height of 2 inches before treating.
- 5) Do not allow spray to get on vegetables or ornamental plants since injury may result. Do not spray around roots of trees and ornamentals. Clover will be damaged if sprayed.
- 6) Whether using a hose-end sprayer or pressure sprayer, avoid sprays which are too fine because they can drift and damage other plants.
- 7) If certain tough weeds are not dead within 3 weeks, repeat treatment. Broadcast application is not necessary, follow spot treatment directions.

Use tips for Ready-Spray Nozzle:

- (Replaces #6) Avoid sprays which are too fine because they can drift and damage other plants.
- (Replaces #7) If certain tough weeds are not dead within 3 weeks, spot treat.
- It will take about 20 minutes to apply this bottle. Actual time will vary depending on water pressure.

People and pets should not be allowed in treated areas until spray has dried.

STORAGE AND DISPOSAL

Store in a cool, dry area away from heat or open flame. Do not reuse

container. Rinse thoroughly before discarding in trash. Securely wrap in several layers of newspaper and discard container in trash.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION: Harmful if swallowed or absorbed through skin. Avoid breathing vapor and spray mist. Avoid contact with skin, eyes and clothing. When using this product, wear long-sleeved shirt, long pants, socks, shoes and rubber gloves. Wear goggles when applying this product. 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. Remove saturated clothing as soon as possible and shower. Do not allow people (other than applicator) or pets on treatment area during application. Do not enter treatment areas until spray has dried. The maximum number of broadcast applications per treatment site is 2 per year.

Statement of Practical Treatment

If Swallowed: Call a physician or Poison Control Center immediately. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Repeat until vomit fluid is clear. Never induce vomiting or give anything by mouth to an unconscious person. **If on Skin:** Wash contaminated clothing and wash affected areas with plenty of soap and water. Get medical attention if irritation persists. **If in Eyes:** Flush eyes with plenty of water. Call a physician if irritation persists. **If Inhaled:** Remove victim to fresh air. Apply artificial respiration if indicated.

Environmental Hazards

Do not apply under conditions involving possible spray contact or drift onto food, forage, vegetables, ornamental plants or other desirable plantings that might be damaged or the crops rendered unfit for sale, use or consumption. This product is toxic to fish and aquatic invertebrates. Drift or runoff may adversely affect fish, aquatic invertebrates and nontarget plants. Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters.

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

Questions or comments? Call 800-332-5553.

Manufactured in the USA for Realex, Division of United Industries Corporation, P.O. Box 15842, St. Louis, MO 63114-0842

EPA Reg No. 478-121

EPA Est. No. 9688-MO-1

Form: A6N1/M&R © 1995

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December 5, 1995

Document Processing Desk (NOTIF)
Office of Pesticide Programs - H7504C
United States Environmental Protection Agency
401 M Street SW
Washington, DC 20460-0001

Attention: Joanne I. Miller
Product Manager 23

Subject: **Real-Kill Broadleaf Weed Killer**
EPA Reg. No. 478-121

Dear Ms. Miller,

Enclosed please find our Notification to add marketing phrases, correct directions for use, and make other minor modifications to the subject label:

- Add the marketing phrase "*Treats 16,000 sq. ft. of Southern grasses or 8,000 sq. ft. of Northern grasses*".
- Under the heading Optional Claims add as an Alternate phrase "*This Concentrated formula covers up to 16,000 sq. ft. per quart. See specific directions for St. Augustine and other Southern grasses.*"
- Add the Alternate phrase "**STOP. READ ALL INSTRUCTIONS INSIDE BEFORE USING.**"
- Replace all "***DO NOT USE ON FLORATAM GRASS IN FLORIDA**" with "***DO NOT USE ON FLORATAM GRASS VARIETY OF ST. AUGUSTINE GRASS IN FLORIDA**" This phrase occurs under three tables.
- Move the paragraph "**EXAMPLE: To treat 1,000 sq. ft. of Fescue lawn...**" from before the table to appear after the table. This occurs twice in the label.
- Replace the heading on the table "**OUNCES OF CONCENTRATE TO USE ON THESE GRASS TYPE:**" with "**OUNCES OF CONCENTRATE TO USE FOR:**"
- Add the optional marketing phrase "*Just connect to your garden hose and spray!*"

- Under the heading READY SPRAY NOZZLE (optional Directions) - #3 - replace "Push in the small white concentrate control button to the "OPEN" position" with "Twist the small, yellow concentrate control button to align the flat portion with the lock tab. Push the button in to open". Modify #4 - to read as "... One quart will treat 16,000 sq. ft. of Southern lawn or 8,000 sq. ft. of Northern lawn. Calculate square feet by multiplying length by width. NOTE: Do not use on Floratam variety of St. Augustine grass in Florida. Correct #5 to read "Push small yellow concentrate control button in to close."
- Add a table of grasses after #6.
- Under the heading USE TIPS, add "Use tips for Ready-Spray Nozzle:".

Included with this Notification is 3 (three) copies of the revised label with changes highlighted and a copy of the most recent EPA approved label.

This notification is consistent with the provisions of PR Notice 95-2 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 95-2 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Please call me at 1-800-242-1166 if you have questions or need additional information. Thank you for your attention to this matter.

Sincerely,



Kelly Loft
Regulatory Affairs Specialist

enclosures