

PM 25

69361-1

8-10-98

ACCEPTED
AUG 10 1998

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended for the pesticides registered under EPA Reg. No. 69361-1

(FRONT PANEL)

REAP THRU HERBICIDE

For the control of broadleaf weeds in ornamental turfgrass.

Active Ingredients:

Methyl 2-chloro-9-hydroxyfluorene-9-carboxylate..... 11.2%
Methyl 9-hydroxyfluorene-9-carboxylate..... 2.7%
Methyl 2,7-dichloro-9-hydroxyfluorene-9-carboxylate..... 2.0%

Inert Ingredients: 84.1%

TOTAL 100.0%

Total Chlorfluoreneol Methyl Esters..... 15.9% (1.5 lbs./gal.)

KEEP OUT OF REACH OF CHILDREN

CAUTION

Statement of Practical Treatment (First Aid)

- IF SWALLOWED:** Call a physician or Poison Control Center. Drink one or two glasses of water and induce vomiting by touching back of throat with finger. Do not give anything by mouth to an unconscious person.
- IF ON SKIN:** Wash with plenty of soap and water. Get medical attention.
- IF IN EYES:** Immediately flush with plenty of water for at least 25 minutes. Call a physician.

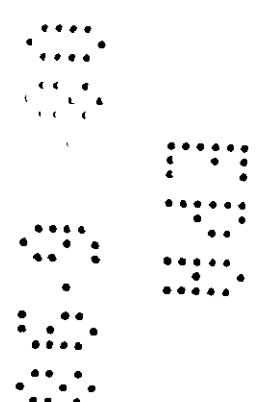
Note to Physician: Causes reversible corneal opacity. Treat symptomatically.

EPA Reg. No. 69361-1

EPA Est. (TBD)

NET CONTENTS: HALF GALLON (64 FL.OZ.)

MANUFACTURED FOR:
Repar Corporation
P.O. Box 4321
Silver Spring, MD 20914



PRECAUTIONARY STATEMENTS

HAZARDOUS TO HUMANS (& DOMESTIC ANIMALS)

CAUTION

Causes eye damage. Harmful if swallowed or absorbed through skin. Wear goggles, face shield or safety glasses when handling. Avoid breathing spray mist. Avoid contact with skin and clothing. Wash hands, face and clothing after use. If in eyes, flush with plenty of water and call a physician. In case of skin contact wash thoroughly with plenty of water. If irritation persists, consult physician. Avoid contamination of food and feed.

PERSONAL PROTECTIVE EQUIPMENT

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category H on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear:

- A. Coveralls over long-sleeved shirt and long pants.
- B. Chemical-resistant gloves, such as barrier laminate or viton
- C. Shoes plus socks
- D. Protective eye wear

Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. 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.

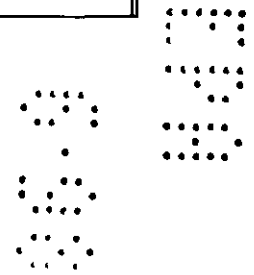
User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

Do not apply directly to any body of water or wetlands, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from target area. Do not contaminate water by cleaning of equipment or disposal of waste. Do not contaminate water when disposing of equipment washwaters. Do not contaminate domestic or irrigation waters.



DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product through any irrigation system.

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. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

This product is not for use on plants and turf being grown for sale or other commercial use, or for commercial seed production, or for research purposes. This product is for use on plants intended for aesthetic purposes or climatic modification and being grown in interior plantscapes, ornamental gardens or parks, or on golf courses or lawns and grounds.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Keep children and pets out of the treated area until sprays have dried. Keep animals and unprotected persons out of operational areas during treatment.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. **Storage:** Store in original container in a locked storage area. Avoid temperatures below 41°F. In case of accidental storage below 41°F, allow to thaw in original container at 50 - 80°F and agitate in container before using. Avoid long term storage above 122°F as some separation of ingredients may occur. Agitate in original container before using if exposure to prolonged high temperature is suspected. In case of spillage, absorb with corn cobs, absorbent clay or similar materials. Sweep up and dispose.

Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. 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 incineration, or, if allowed by State and Local authorities, by burning. If burned, stay out of smoke.

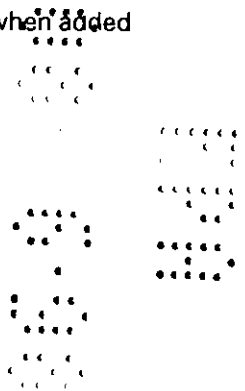
GENERAL INFORMATION

Reap Thru can be used by itself. Optimum results can be obtained when used in combination with other traditional herbicides to increase herbicide activity and reduce rates.

Reap Thru is a water dispersible solution in a new formula concept that behaves differently when added to spray tank mixtures. See specific mixing and storage instructions for details.

WHEN TO APPLY

Apply when weeds are actively growing and have not hardened off.



HOW TO APPLY

For optimum results **Reap Thru** is more effective when used in combination with other herbicides. Combinations allow for reduced rates and increased herbicide activity providing greater safety to the turfgrass and increased cost effectiveness. Spray volumes of 20 to 175 gallons of water/acre are recommended. Usually lower spray volumes can be achieved. Avoid tank mixes with other pesticides which require replacement on the soil surface (pre-emerge crabgrass products, soil insecticides, etc.) as Reap-Thru is designed to increase penetration into plant foliage. Do not use in combination with triazine herbicides on actively growing turf unless injury can be tolerated.

Mixing Instructions: Charge tank with water and water soluble ingredients first. Be sure agitation system is on. Gradually add the correct amount of Reap-Thru and continue agitation. Break-Thru[®] will first form a clear solution. With agitation, this solution will change into a dispersion of finely divided particles with a pearlescent appearance. Add EC and wettable powder formulations after the addition of Reap Thru. Continue agitation during spraying operation. In case of settling, re-agitate spray tank mix before applying. Avoid storage in diluted form. Do not tank mix with other pesticides which prohibit tank mix combinations.

Before mixing in the spray tank, it is advisable to test compatibility by mixing all components in a small container in proportionate quantities.

1. Add one pint of fertilizer solution to a one-quart glass jar with tight lid.
2. To the jar add the appropriate amount of herbicide(s). If more than one herbicide is used, refer to mixing instructions on this label for proper order of additions. After each addition, cap and shake until thoroughly mixed. The appropriate amount of herbicides for this test follows (assuming a spray volume of 50 gals. per acre):

DRY HERBICIDES: For each pound per acre, add 0.75 teaspoons to the jar. Fluff up wettable powder products before measuring.

LIQUID HERBICIDES: For each pint per acre, add 0.25 teaspoon to the jar.

For a spray volume other than 50 gals. per acre, change the teaspoons added to the jar as follows:

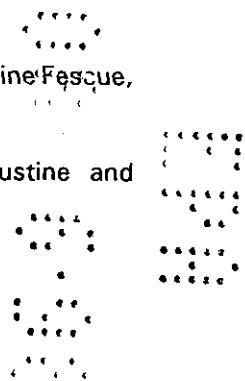
$$\frac{50 \text{ gals.} \times \text{no. teaspoons given above}}{\text{desired gals. spray volume per acre to jar}} = \text{teaspoons to add}$$

3. After adding all ingredients, put lid on and tighten. Shake jar vigorously for one minute. Let the mixture stand 15 minutes and then look for separation, large flakes, precipitates, grease, gels, medium to heavy oil film on the jar, or other signs of incompatibility. If the mixture separates, but can be remixed readily, the mixture can probably be sprayed as long as good agitation is used. If the mixture is incompatible, test making a slurry of the dry herbicide(s) in water before addition to the jar. If still incompatible, do not use the materials mixed in the same spray tank. If there are any compatibility questions, contact Repair Corporation.

TURF TOLERANCE

Cool Season Turf Species: Established Bentgrass (fairway or homelawn height), Bluegrass, Fine Fescue, Ryegrass (annual and perennial) and Tall Fescue.

Warm Season Species: Established Bahiagrass, Bermudagrass, Centipede, St. Augustine and Zoysiagrass.



See Use Precautions for Additional Information

Weed Species Controlled: For black medic, clovers, dandelions and other easy to kill weed species. Break-Thru may be used alone.

For the control of more difficult to control species such as beggarweed, dayflower, matchweed, oxalis, ground ivy, knotweed, wild carrot and to broaden the overall spectrum of weed control, Reap-Thru should be used in combination with other approved turf herbicides. Field research has shown improved performance and reduction in rates of traditional turf herbicides when used in conjunction with Reap-Thru.

Some of the combinations which have demonstrated effectiveness include:

Reap Thru plus 0.123 to 0.25 lb. acid equivalent dicamba/A (4 to 8 oz./A Banvel and/or 0.125 to 0.25 lbs. acid equivalent triclopyr/A (5.3 to 10.5 oz./A Turflon amine or 4 to 8 oz./A Turflon Ester)*

* Ratio of Reap-Thru to Turflon etc.

USE RATE RECOMMENDATIONS

Alone: 1 to 2 oz./1000 ft.² or 0.5 to 1.0 lb. Total active ingredients per acre as Chlorflurenol Methyl ester.

In 0.25 to 1 oz./1000 ft.² or 0.125 to 0.5 lb. Total active ingredients per acre as Chlorflurenol Methyl ester.
Combination

Reap Thru can be tank mixed with Acclaim. Follow instructions on Acclaim's label.

Use Precautions: Use with other turf herbicides for which the specific turfgrass has shown tolerance. Use rates above 0.25 lb. Chlorflurenol Methyl ester/A in some herbicide combinations may be antagonistic. Start at the lowest recommended rate per acre when using combinations. Higher rates may cause temporary discoloration and turfgrass retardation. Growth inhibition may be overcome by the application of a complete fertilizer or by mowing (the plant). To minimize any potential for growth inhibition, use in combination with other herbicides as rates can be significantly reduced. Freshly transplanted plants, those with tender, new growth as typically occurs during the Spring flush of growth and plants under stress are more susceptible to injury by herbicides. To avoid injury to desirable plants:

- Avoid spray drift (coarse sprays are less likely to drift)
- Apply in a manner which confines spray to target area.
- Do not apply Reap Thru or tank mixture containing Reap Thru when air temperatures are expected to exceed 80°F on the day of application.
- Leave an adequate buffer zone between sensitive plants and spray area.

LIMITED WARRANTY

MANUFACTURER warrants that this product (1) conforms to the ingredient statement on the label and (2) is reasonably fit for the purposes set forth in Directions for Use. EXCEPT AS WARRANTED. THE PRODUCT IS SOLD AS IS. MANUFACTURER MAKES NO OTHER WARRANTY EXPRESS OR IMPLIED.

The manufacturer's directions regarding uses of this product are based upon tests believed to be reliable. All statements made concerning this product apply only when used as directed, under normal use conditions. FOLLOW DIRECTIONS CAREFULLY. Timing and method of application, weather and crop conditions, mixture with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the manufacturer. Buyer assumes all risks of use, storage or handling of this product.

