

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS & DOMESTIC ANIMALS

CAUTION

Harmful if swallowed or absorbed through the skin. Do not breathe vapors or spray mist. May cause irritation of nose, throat and skin. Do not get in eyes, on skin or on clothing. In case of contact immediately flush eyes or skin with plenty of water. Get medical attention if irritation persists.

ENVIRONMENTAL HAZARDS

Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of waste.

DIRECTIONS FOR USE

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

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

PESTICIDE DISPOSAL:

Pesticide, spray mixture or rinse water that cannot be used according to label instruction must be disposed of according to Federal, state or local procedures.

CONTAINER DISPOSAL:

Triple rinse (or equivalent) then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other approved State and local procedures.

GENERAL INFORMATION


2,4-D may be used with RETARD when control of broadleaf weeds is desired in turf. A low volatile ester or amine salt formulation is compatible with RETARD. In some areas weeds may emerge after RETARD is applied. A second application of 2,4-D would be necessary to control these weeds. Use 2,4-D only on grasses recommended by the manufacturer's label. Follow manufacturer's label when handling or spraying to prevent drift and for proper application.

APPLICATION

To Control Wild Onions and Wild Garlic in Lawns and Grass Areas Along Highways (not pasture or croplands): Apply 5 to 10 gallons RETARD in 20 to 100 gallons of water per acre in spring or fall when about 90-95 percent of the bulbs have started regrowth. Use on lawns only when grass is brown and dormant. Do not use on home lawns except along the edges.

To INHIBIT GRASS GROWTH: Apply RETARD to green grass since brown grass will not absorb the spray. One application per year made either in the fall or the spring, followed by correct maintenance procedures, will produce required turf growth control.

SPRING APPLICATION (about April 10-June 1): Use 5 gallons RETARD and 25 gallons of water per acre to reduce or eliminate mowing.



Kitten & BEAR
BRAND

RETARD®

FOR CONTROLLING GROWTH OF GRASS,
WILD ONIONS AND WILD GARLIC

ACTIVE INGREDIENTS:
Potassium salt of 6-hydroxy-3-(2H)-pyridazinone* ... 8.0%
INERT INGREDIENTS ... 92.0%
TOTAL 100.0%

* Hereinafter called potassium salt of maleic hydrazide.
Product contains 0.66 pounds maleic hydrazide equivalent per gallon.
RETARD® — Registered trademark of Drexel Chemical.

ONLY FOR SALE TO, USE AND STORAGE
BY SERVICE PERSONS

KEEP OUT OF REACH OF CHILDREN

CAUTION

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. Do not induce vomiting or give anything by mouth to an unconscious person.

IF IN EYES: Flush with plenty of water. See a physician if irritation persists.

IF ON SKIN: Remove contaminated clothing and wash affected areas with soap and water.

IF INHALED: Remove victim to fresh air. Apply artificial respiration if indicated.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA Reg. No. 43954-50
EPA Est. No. 42954-MO-1

Manufactured By:
STEWART SANITARY SUPPLY, INC.
St. Louis, MO 63110

NET CONTENTS: _____

APPLICATION CONT'D

The two week period in the spring when the grass has grown 2-4 inches is ideal for applying RETARD. This is the period when forsythia and dandelion are in full bloom. The grass is in a vigorous growing condition and will absorb the chemical at the maximum rate. It will prevent seed head formation and inhibit growth of foliage. If spraying is delayed beyond this period, a mowing may be required to trim the area to improve appearance. Allow one week for translocation of the chemical before this mowing. Do not spray newly mowed area covered with debris, this will interfere with coverage and absorption, causing poor results.

FALL APPLICATION (About Oct. 1-Nov. 15): Use 6-3/4 gallons RETARD in 45 gallons of water per acre to reduce growth next season. The fall treatment is applied to green grass before it becomes dormant. Since growth is inhibited the following spring, the area will "green up" about two weeks later than untreated grass. Apply the RETARD as close to the time the grass becomes dormant as possible but when it is still green. Do not spray when there is a cover of fallen leaves as this will interfere with coverage and absorption, causing poor results. RETARD will control wild onion and garlic and biennial type weeds such as dandelion and plantain when applied in the fall.

Do not apply during the summer (June 1-Sept. 25) since most permanent grass becomes partially dormant in summer. (The major reason for summer mowing is the presence of annual grasses and weeds which will have to be controlled with herbicides or mowing since they are not present when RETARD is applied to the perennial grasses.)

To Inhibit Grass Along Edges of Home Lawns (See Note Number 3):

Apply the equivalent of 6-2/3 gallons of RETARD in 100 gallons of water per acre in spring (about April 10-June 1) to a 6 inch band along sidewalks and edges of shrubs and trees.

Hose on attachments can be used for edging of lawns. Consult instructions on applicator for delivering the dosage recommended for edging.

Equipment To Apply RETARD:

It is essential that RETARD be applied uniformly with the proper equipment.

Recommended Equipment:

A. Trucks in all cases should be equipped with a special speedometer or tachometer reading from 0-15 miles per hour. Truck speedometers are generally inaccurate at this low speed.

A centrifugal pump with a capacity of 100 gallons per minute and 50 pounds nozzle pressure plus off-center nozzles are recommended for applying RETARD. A series of nozzles activated by valves controlled within the cab permits application at 10-15 miles per hour covering all types of terrain found along highways. The off-center nozzle will cover up to 30 feet from the road on calm days.

B. Booms

1. The Burg-Beck boom gives excellent coverage when properly calibrated and operated. Smaller amounts of water (30-50 gallons per acre) may be used when applying RETARD with booms.

2. Small booms mounted on tractors or jeeps are advised only when there are few or no obstructions.

C. Air Carry Method (Modified Air Blast Sprayer):

This is the newest method of applying RETARD. Large, low-pressure droplets ride the air stream and deposit RETARD on the difficult to mow areas. It is the only equipment that will economically and satisfactorily apply RETARD over wide areas (up to 90 ft.). It will easily cover all types of terrain on shoulders and medians.

RETARD should be applied during a period when rain is not expected for 12 hours after treatment. Since RETARD is water soluble a rain will wash the chemical off the leaf blade before absorption occurs. Once RETARD is absorbed, rain has no effect on performance.

Where Should RETARD Be Used:

RETARD should be used on good turf, three or more years old, which needs frequent mowing, and areas difficult to mow.

RETARD will improve the safety of mowing by reducing the need for frequent mowing of hazardous locations and eliminating mowing of cuts and fills where a seasonal growth up to 6-11 inches can be tolerated.

Conditions Affecting Absorption Of RETARD By Grass:

It has been found that a greater amount of RETARD will enter the leaf in the shortest time and give the best results when the plants are growing rapidly in moist soil. RETARD is not absorbed well when:

1. Leaves are wilted and
2. During periods of extended drought when the soil is dry.

NOTES:

1. Do not pasture livestock in, or cut hay from treated areas.
2. RETARD can be used along highways, airports, military installations, golf course fairways, rough and similar areas. Do not feed treated foliage to livestock or graze treated areas.
3. At recommended application rates RETARD does not normally affect the color of grass. Under conditions of optimum absorption, color modification for a period of several weeks may be encountered. At times treated grass may be a greener color than untreated grass. It may also remain greener for a longer period under drought conditions. No adverse effects on color have been observed from fall application. Some delay in spring "green up" is normal.

WARRANTY STATEMENT

Buyer assumes all risks of use, storage or handling of this material not in strict accordance with directions given herewith.