



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON D C 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Kim Inman
ABC Compounding Co , Inc
P O Box 16247
Atlanta, GA 30321

S-14-10

Subject Label Amendment
EPA Reg No 3862-159 / Rite-Hite Concentrate

Dear Ms Inman

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable provided you make the following label changes

- 1 Under Effect of Rain on Treatment, change "this retardant should be applied" to "this retardant must be applied"
- 2 On the second page, change "recommended application rates" to "directed application rates"
- 3 The use directions occurring on page 2, must be moved to the Directions for Use Section The layout of the label must follow the Label Review Manual, Chapter 3

A stamped copy of the label is enclosed for your records You must submit one copy of the final printed label before you release the product for shipment Products shipped after 12 months from the date of this letter must bear the new revised label If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA Your release for shipment of the product constitutes acceptance of these conditions This label supersedes all other previously accepted labels If you have any questions please call Erik Kraft at 703-308-9358 or email at Kraft Erik@epa.gov

Sincerely,

A handwritten signature in black ink, appearing to read "Erik Kraft".

Erik Kraft
Acting Product Manager 20
Fungicide Branch
Registration Division



Manufactured by:

ABC Compounding Co., Inc.
P.O. Box 16247
Atlanta, GA 30321-0247
Toll Free 800-795-9222

EPA Establishment No. 3862-GA-1
EPA Registration No. 3862-159

ACTIVE INGREDIENTS:
maleic hydrazide, potassium salt
(6-hydroxy-3-(2H)
-pyridazinone).....21.7%
INERT INGREDIENTS.....78.3%
TOTAL 100.0%

THIS PRODUCT CONTAINS 2.0 LBS. OF
MALEIC HYDRAZIDE PER GALLON.

Rite-Hite Concentrate

Liquid Growth Retardant Inhibits Growth of Grass, Trees,
Shrubs, and Ivy. Also Controls wild Onions, Garlic,
and Biennial Type Weeds

**KEEP OUT OF REACH OF CHILDREN
CAUTION:**

SEE SIDE PANELS FOR ADDITIONAL
PRECAUTIONARY STATEMENTS.

**FOR COMMERCIAL AND
INDUSTRIAL USE ONLY.
NOT FOR USE ON AGRICULTURAL
ESTABLISHMENTS.**

Net Contents:

FIRST AID:

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

If in eyes	<ul style="list-style-type: none"> • 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 eye. • Call a poison control center or doctor for treatment advice.
If swallowed	<ul style="list-style-type: none"> • Call a Poison Control Center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.

NOTE TO PHYSICIAN- Probable mucosal damage may contraindicate the use of gastric lavage.

**ACCEPTED
with COMMENTS
In EPA Letter Dated:**

S-14-10

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

3862-159

APPLICATION INSTRUCTION FOR TURF/GRASSES

Not for use on crops, timber, or other plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes.

INHIBITS GRASS GROWTH: This liquid growth retardant is absorbed into the green grass blades and translocated by the plant fluids to the active growth areas of the plant where cell division is retarded. It also prevents seed head formation and slows down leaf growth. If an area is not mowed after the growth retardant is applied, the turf will slowly grow to 6 to 12 inches in height by the end of the growing season as the effect of the retardant gradually "wears off". This is especially effective when safety is a factor as it reduces the need for frequent mowing of hazardous locations and eliminates mowing of cuts and fills where a seasonal growth of up to 6-11 inches can be tolerated.

DIRECTIONS: Use at the rate of 1-1/3 gallons of the concentrate in 30 -50 gallons of water per acre. For fallow land, lawns turf and rights of way applications are limited to one per year. Apply the Liquid Growth Retardant to green grass, since brown grass will not absorb the spray. One application per year made either early in the fall or in the spring, following by correct maintenance procedures will produce required turf growth control. If the product is not applied before the seed head is formed, the seed head will expand in spite of the presence of the concentrate. If this occurs, at least one week should be allowed for the retardant to circulate throughout the plant. The area should then be mowed to no less than 4 inches in height. Inhibition of subsequent growth will then be observed. If a neatly clipped appearance is required, the retarding application should be supplemented by mowing. Do not apply during the summer (June 1-Sept.25). (The major reason for summer mowing is the presence of annual grasses and weeds which will have to be controlled by mowing or with herbicides since they are not present when this concentrate is applied to perennial grasses).

EFFECT OF RAIN ON TREATMENT: This retardant should be applied during a period when rain is not expected for 12 hours after treatment. Since this retardant is water soluble, a rain will wash the chemical off the leaf blade before absorption occurs. Once the retardant is absorbed, rain has no effect on performance.

THIS CONCENTRATE SHOULD BE USED ON GOOD TURF, 3 OR MORE YEARS OLD, WHICH NEEDS FREQUENT MOWING, AND AREAS THAT ARE DIFFICULT TO MOW.

CONDITIONS AFFECTING ABSORPTION OF CONCENTRATE BY GRASS: It has been found that a greater amount of concentrate will enter the leaf in the shortest time and give the best results when the plants are growing rapidly in moist soil. The concentrate is not absorbed well when 1) leaves are wilted and 2) during periods of extended growth when the soil is dry.

USE OF 2,4-D: 2,4-D may be used with this product when control of broadleaf weeds is desired in turf. A low volatile ester or amine salt formulation is compatible with this concentrate. In some areas weeds may emerge after the concentrate is applied. A second application of 2,4-D would be necessary to control these weeds. Observe all cautions and limitations on labeling of all products used in mixtures. **NOTES:** 1) Do not pasture livestock in, or cut hay from, treated areas. 2) This product can be used along highways, airports, military installations, roughs of golf courses and similar areas. 3) At recommended application rates, this concentrate 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 areas. 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. 4) Do not spray on trees when wind velocity exceeds 15 mph. 5) Use 2,4-D only on grasses recommended by the manufacturer's label. Follow manufacturer's label when handling or spraying 2,4-D to prevent drift.

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION**

Causes moderate eye irritation. Avoid contact with eyes or clothing. Do not use on humans, household pets, or livestock. Keep children and pets off treated areas until material is washed into the soil and grass is dry.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear. (a) long-sleeved shirt and long pants and (b) socks plus shoes and (c) chemical-resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride.

USER SAFETY REQUIREMENTS

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exists, 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. Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. Wash the outside of the gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds and other wildlife. Birds feeding on treated areas may be killed. Apply this product only as specified on this label. This pesticide is highly toxic to bees exposed to direct treatment or to residue remaining on the treated area. Do not apply when bees are actively visiting the crop, cover crop or weeds blooming in the treated area. Applications should be timed to provide maximum possible intervals. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by disposal of equipment wash waters. Under some conditions, the active ingredient may have a significant potential for runoff into surface water (primarily via dissolution in runoff water) for several days post-application. Conditions favoring runoff include poorly draining soils or wet soils with readily visible slopes, frequently flooded areas, areas where an intense or sustained rainfall is forecast to occur within 48 hours, areas overlying extremely shallow ground water, and areas overlying tile drainage systems that flow to surface water. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.

Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes. For use on plants in non-crop and non-timber areas only. Do not apply this product through any type of 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.

The following spray solution should be sprayed on the upper half of the tree if top terminal growth is to be inhibited. If the side of a tree is to be inhibited, spray the half of the tree on the pruned side. For shrubs and ivy, spray all surfaces of the leaves and bark. Add 1 1/3 gallons of concentrate to 100 gallons of water. Spray this concentrate to wet all surfaces of leaves and bark to the point of drip (not run off). Hose on attachments can be used to spray trees and shrubs. Wet all surfaces of leaves and bark. Consult instructions on applicator for delivering the equivalent of 1 1/3 gallons of concentrate in 100 gallons of water [equals 4 tablespoons of concentrate in 1 gallon of water].

WHEN TO SPRAY TREES AND SHRUBS: Best results are obtained when the spray is applied to vigorous new growth in 1) Spring, just as the new leaves have expanded and new growth has started; 2) Summer, after pruning and new regrowth is 2-4 inches in length. Use at the rate of 1-1/3 gallons of the concentrate in 30-50 gallons of water.

CONTROL OF TREES, SHRUBS, AND IVY: This liquid growth retardant will inhibit growth of various trees, shrubs, and ivy. The plants should first be pruned into the desirable shape. After regrowth of 2-4 inches occurs, spray on the retarding concentrate. This concentrate can also be applied in spring as soon as new leaves have expanded. The following shrubs can be treated: Privet, Pyracantha, Myrtus, Xylosmas, Viburnum, Eugeniz, Pittosporum Cissus, Hahns Ivy, Algerian Ivy, Honeysuckle, Forsythia and Ice Plant. The following tree species can be treated: Sycamore, Willow, Alder, Poplar, Oak, Sweet Gum, Elm and Tamarack.

FALL APPLICATION: (About Oct. 1 - Nov. 15) Use 1 1/3 gallons of the concentrate in 30-50 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 retardant 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. This product will control wild onions and biennial type weeds such as Dandelion and Plantain when applied in the fall.

SPRING APPLICATION: (About April 10 - June 1) Use 1 1/3 gallons of the concentrate in 50 gallons of water per acre to reduce or eliminate mowing. The two week period in the spring when the grass has grown 2-4 inches is ideal for applying the concentrate. 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 after application to trim the area to improve appearance. Allow one week for translocation of the chemical before this mowing. Do not spray newly mowed areas covered with debris, this will interfere with coverage and absorption, causing poor results.

TO CONTROL WILD ONIONS AND WILD GARLIC IN GRASS AREAS ALONG HIGHWAYS AND IN LAWNS (NOT PASTURE OR CROP LAND): Apply 1 to 2 gallons of concentrate to 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 apply to young seedlings less than one season old or winter pastures consisting of small grains such as rye.

STORAGE AND DISPOSAL

PROHIBITION: DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE, DISPOSAL OR CLEANING OF EQUIPMENT.

PESTICIDE STORAGE: Store this pesticide in the original container away from heat. **PESTICIDE DISPOSAL:** Pesticide wastes are toxic. 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:** (For containers greater than 5 gallons):

Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

(For containers equal to or less than 5 gallons): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.