

RIVERSIDE DH 30% MALEIC HYDRAZIDE

5-21-95
9779-222

ACTIVE INGREDIENT:

Diethanolamine salt of 6-hydroxy-3-(2H)-pyridazinone 58%

INERT INGREDIENTS: 42%

TOTAL 100%

Hereinafter called diethanolamine salt of maleic hydrazide. Equivalent to 30% maleic hydrazide. Product contains 3 pounds maleic hydrazide equivalent per gallon.

CAUTION: KEEP OUT OF REACH OF CHILDREN

Avoid inhalation of mist. Avoid contact with skin, eyes or clothing. May be harmful if swallowed.

READ ENTIRE LABEL BEFORE USING THIS PRODUCT. Use of this product in a manner not in accordance with the information on this label may injure or kill humans, domestic animals, wildlife, aquatic life, desirable plants, create excessive and unlawful chemical residues, or produce other undesirable results.

SHAKE WELL BEFORE USING

DIRECTIONS FOR USE

TOBACCO: TO PREVENT SUCKER DEVELOPMENT ON FLUE-CURED AND BURLEY TOBACCO — RIVERSIDE DH 30% MALEIC HYDRAZIDE, a plant inhibitor, offers a method of controlling sucker growth by keeping suckers from growing rather than by killing them. Since RIVERSIDE DH 30% MALEIC HYDRAZIDE is absorbed and moves inside the tobacco plant, spraying the whole plant is not necessary. Best results are obtained by spraying the upper 1/3 to 1/2 of the plant. It is very important to apply equal amounts of RIVERSIDE DH 30% MALEIC HYDRAZIDE to each plant at time of topping.

WHEN TO SPRAY — Satisfactory sucker control depends on correct timing of the spray. (a) If all plants flower at about the same time, proceed as follows. As soon as the plants are in FULL FLOWER, top, pull all suckers from early maturing plants and spray RIVERSIDE DH 30% MALEIC HYDRAZIDE uniformly onto the entire field within 24 hours after topping. (See notes 1-9). (b) If there is a wide range in the times of flowering, the following procedures should be used: 1. Go through the field and top the few early-flowering plants. 2. Wait until the remaining plants are in FULL FLOWER, top them, remove all suckers from the entire field, and apply RIVERSIDE DH 30% MALEIC HYDRAZIDE within 24 hours after topping. (See notes 1-9). Top leaves to be harvested should be at least 6 inches long at time of spraying.

HOW TO SPRAY — RIVERSIDE DH 30% MALEIC HYDRAZIDE may be applied with either tractor or mule-drawn insecticide sprayer, or with a compressed air shoulder sprayer. (a) Tractor or mule-drawn insecticide sprayers. Any number of nozzles may be used. Can be applied in the same manner as insecticide, spraying one or more rows at a time, wetting upper 1/2 to 1/3 of plant. (b) Compressed air shoulder sprayer with single nozzle spraying a wide cone. Spray one side of each tobacco row while walking at a constant rate. Use up and down motion of spray nozzle to moisten upper 6 to 8 leaves of each plant. Apply equal amounts of spray to each plant.

AMOUNT TO USE — 1 pint RIVERSIDE DH 30% MALEIC HYDRAZIDE, per 1,000 plants. EXAMPLE: Use 3 quarts RIVERSIDE DH 30% MALEIC HYDRAZIDE for 6,000 plants per acre, or 1 gallon for 8,000 plants per acre. Use not less than 20 gallons of water per acre (from 20 to 50 gallons of water per acre can be used—See Note 9).

ONIONS: TO CONTROL SPROUTING OF POTATOES IN STORAGE — Apply 5 3/4 pints RIVERSIDE DH 30% MALEIC HYDRAZIDE in 30-150 gallons of water per acre with a ground sprayer. Airplane applications can also be made. The spray should be applied when the bulbs are fully mature, have five to eight green leaves, and necks soft enough for the tops to fall if they have not already done so. The spray is often applied when 50% of the tops have fallen off but all tops are still green. This condition usually occurs about 2 weeks to 10 days before harvest time. Green tops are essential for the absorption of RIVERSIDE DH 30% MALEIC HYDRAZIDE.

CAUTION Avoid too early spraying of edible onions. Spongy bulbs might result if spraying is done earlier than two weeks before maturity.

POTATOES: TO CONTROL SPROUTING OF POTATOES IN STORAGE — Apply 1 gallon RIVERSIDE DH 30% MALEIC HYDRAZIDE in 30-150 gallons of water per acre by ground equipment. Airplane application can be made in irrigated sections of the country. Check your field to see if you have a good set of potatoes. RIVERSIDE DH 30% MALEIC HYDRAZIDE is applied when most of the tubers set are approximately one inch in diameter. This occurs when the lower leaves show a yellow color. In areas where potatoes flower uniformly this is one week after blossoms fall off the vine, usually in August about 4 to 6 weeks before harvest. (See notes 5, 11, & 12).

WILD ONIONS AND WILD GARLIC: TO CONTROL WILD ONIONS AND WILD GARLIC IN LAWNS AND GRASS AREAS ALONG HIGHWAYS (not pasture or crop land) — Apply 1 to 2 gallons RIVERSIDE DH 30% MALEIC HYDRAZIDE 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.

NOTES

1 To control tobacco suckers apply RIVERSIDE DH 30% MALEIC HYDRAZIDE at the proper time. Too early spraying may prevent normal development of top leaves. Too late spraying will allow some sucker growth. FULL FLOWER is the stage when 90% of your plants have begun to shed their first flowers.

2 Rains occurring within 12 hours after spraying may reduce effectiveness.

3 Follow dosage recommendations carefully, spray field uniformly and do not use less than the minimum amount of water recommended on tobacco.

4 RIVERSIDE DH 30% MALEIC HYDRAZIDE has been used successfully with tobacco insecticides but separate application is recommended until further studies are completed.

5 Do not use on tobacco or potato plants grown for seed production.

6 Do not spray tobacco in the middle of hot, dry days when leaves are severely wilted. For best results spray during early morning, all day on cloudy days, avoiding the later afternoon or night applications. (Use nozzle delivering a fine mist spray. Do not use a broad jet type of spray.)

7 Closely hand-suckered or RIVERSIDE DH 30% MALEIC HYDRAZIDE treated tobacco will not ripen as rapidly as poorly suckered tobacco. Also under some conditions RIVERSIDE DH 30% MALEIC HYDRAZIDE treated tips have a tendency to turn yellow prematurely. This is not harmful and does not mean that your tobacco is ripe

Therefore, do not harvest RIVERSIDE DH 30% MALEIC HYDRAZIDE treated tobacco by using time and color of the leaves as your only guide to ripeness. Use other characteristics indicative of ripeness such as:

- Fading of color from midrib.
- Change in apparent leaf texture.

8. If tobacco plants have been grown under drought conditions absorption of RIVERSIDE DH 30% MALEIC HYDRAZIDE will be slow and results may not be as good as plants treated under normal conditions.

9. Too little RIVERSIDE DH 30% MALEIC HYDRAZIDE will result in less than desired control. Too much is wasteful and may cause burning of leaves and may reduce quality of tops.

10. For control of wild onions and garlic do not apply to young seedlings less than one season old. Do not pasture livestock in, or cut hay from treated area.

11. Spray potatoes and grass at least 24 hours before rain. Rain occurring within 24 hours after applications will reduce the effectiveness.

12. RIVERSIDE DH 30% MALEIC HYDRAZIDE is not corrosive to spray equipment. Avoid spray drift to nearby crops.

13. Rinse spray equipment with water after application.

CONTAINER DISPOSAL

Chop holes in top and bottom. Bury 18 inches below soil surface at safe disposal site. Never reuse for food or water.

NOTICE

RIVERSIDE CHEMICAL COMPANY warrants that the product conforms to its chemical description and is reasonably fit for the purposes 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 RIVERSIDE CHEMICAL COMPANY, and buyer assumes the risk of any such use. RIVERSIDE CHEMICAL COMPANY shall not be responsible for incidental or consequential damages, if any, resulting from a breach of warranty.

EPA REG NO 9779-222

NET CONTENTS

GALLONS

EPA EST NO 240-NC-1



MANUFACTURED BY

RIVERSIDE CHEMICAL CO.

A SUBSIDIARY OF COOK INDUSTRIES INC. MEMPHIS, TN 38117

Riverside serves agriculture. Agriculture serves everyone.