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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

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APR 21 1994

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OVERLAND PARK, KS 66212

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

SUBJECT: Label Amendment Submission of 12/22/93 in Response to PR Notice 93-7  
EPA Reg. No. 2217-682  
NOROSAC 4G DICHLOBENIL GRANULES

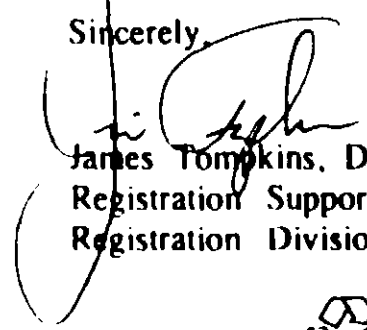
Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, successfully **REMOVES THE PRODUCT FROM THE SCOPE** of PR Notice 93-7 once the comments (if any) on the attached sheet are addressed. Other than the alterations (if any) listed on the attached sheet, no further alterations to the labeling are necessary to reflect the requirements of the Worker Protection Standard.

Since your amendment proposes to delete uses directly and/or to delete uses implicitly through the use of exclusionary statements, the Agency will publish in the Federal Register a notice of receipt of your amendment to delete uses, as required by section 6(f)(1) of FIFRA. The Agency will defer action for 90 days from the date of the Federal Register notice to give affected minor users an opportunity to try to persuade you to retain the uses(s). When the comment period has expired, the Agency will approve the amendment unless you have withdrawn it, and stamp the amended labeling "accepted." Your stamped-accepted labeling will then be sent to you.

As described in Supplement A of PR Notice 93-11 (self-verification option), you may sell and distribute product bearing the submitted labeling before you receive a copy of your stamped-accepted labeling. Note that your registration is not amended until the comment period required by section 6(f)(1) of FIFRA has expired and the Agency has approved the amendment. Therefore, you may withdraw your proposed amendment at any time during the comment period and until you receive your stamped-accepted labeling.

Sincerely,

  
James Tompkins, Deputy Chief  
Registration Support Branch  
Registration Division (7505W)



Recycled/Recyclable  
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contains at least 50% recycled fiber

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# NOROSAC® 4 G DICHLOBENIL GRANULES

A Selective Herbicide For Control Of Crabgrass, Foxtail, Shepherdspurse,  
Horsetail, Pigweed, Quackgrass, Canada Thistle, Leafy Spurge,  
Fescue, And Certain Other Annual And Perennial Weeds.

## ACTIVE INGREDIENT:

Dichlobenil (2,6-dichlorobenzonitrile)..... 4.0%

INERT INGREDIENTS..... 96.0%

TOTAL 100.0%

NOROSAC® is a registered trademark of PBI/Gordon Corporation

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

SEE BACK OF BAG FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

NET WEIGHT FIFTY POUNDS

WPS12/93 APXXXXXX

EPA REG. NO. 2217-682

EPA EST. NO. 407-1a

Mfd by PBI/GORDON CORPORATION  
KANSAS CITY, MISSOURI 64101

ACCEPTED  
with COMMENTS  
In EPA Letter Dated

APR 21 1994  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
2217-682

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**STOP! READ THE ENTIRE LABEL FIRST. OBSERVE ALL PRECAUTIONS  
AND FOLLOW DIRECTIONS CAREFULLY.**

## **PRECAUTIONARY STATEMENTS**

### **Hazards to Humans & Domestic Animals**

**CAUTION:** Harmful if swallowed. Do not breathe dust. Do not allow contact with eyes or skin.

### **Statement of Practical Treatment**

**IF SWALLOWED:** Induce vomiting by drinking water and touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

**IF INHALED:** Remove victim to fresh air.

**IF IN EYES:** Flush with plenty of water. Get medical attention if irritation persists.

**IF ON SKIN:** Wash with plenty soap and water.

### **Environmental Hazards:**

~~(WHEN CRANBERRY USE IS NOT INCLUDED ON CONTAINER LABEL)~~ Cover, collect, or incorporate granules spilled on the soil surface. For terrestrial uses, 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 when disposing of equipment washwaters.

## **DIRECTIONS FOR USE**

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

## **STORAGE & DISPOSAL**

Do not contaminate water, food, or feed by storage or disposal.

**STORAGE:** Store in original bag in a locked storage area inaccessible to children or pets. Storage area should be cool and dry. Keep bag tightly closed. Reseal bag by rolling down top to product level and taping or clipping. ~~Do not store near seeds, bulbs, or in greenhouses.~~

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Completely empty bag into application equipment. Then dispose of empty bag in a Sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

**IMPORTANT!** Always wash hands, face, and arms with soap and water before smoking, eating, drinking, or toileting. Keep all unprotected persons, children, livestock, and pets away from treated area or where there is a danger of drift. Do not rub eyes or mouth with hands. If you feel sick in any way, STOP work and get help right away. See Statement of Practical Treatment.

## **SITES**

Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. For use on plants intended for aesthetic purposes or ornamental gardens or parks, or on golf courses, public and private grounds.

**NOROSAC® 4G Dichlobenil Granules** provides selective weed control in established ornamental plantings. Established ornamentals and ground covers may be treated in institutional, ornamental, and industrial/noncropland sites. Institutional sites are defined as areas around properties or facilities providing a service to public or private organizations including, but not limited to hospitals, nursing homes, schools, museums, libraries, sport facilities, and office buildings. Ornamental sites include established plantings around residences, parks, streets, retail outlets, cemeteries, industrial and institutional buildings. Residential/domestic sites are described as areas associated with the household or home life including, but not limited to apartment complexes, condominiums, and hospitals. Finally, industrial/noncropland sites include areas such as railroad, utility, highway, and pipeline rights-of-way, non-surfaced roadways, and fencerows.

## METHODS OF APPLICATION AND WEEDS CONTROLLED

Apply either in early spring before seeds or annual weeds germinate or after cultivation has removed the growing weeds. Distribute granules uniformly over the soil surface. If treatment is followed by application of  $\frac{1}{2}$  to 1 inch of water by overhead irrigation the lower rates are recommended. Shallow incorporation immediately after application is recommended. Shallow incorporation or sprinkler irrigation is recommended when applications are made during periods of high temperatures  $>70-75^{\circ}\text{F}$ .

**SOIL SURFACE TREATMENT:** Apply as soil surface treatment from late fall through early spring. For best results, applications in the states of Maine, Vermont, New Hampshire, Massachusetts, Rhode Island, Connecticut, New York, Michigan, Wisconsin, Minnesota, North Dakota, South Dakota and Montana should be made in early spring after the ground has thawed. Do not apply to frozen ground or over the top of the snow. Old weed growth should not be removed before application. Do not make surface application to areas which have been cultivated during the fall or summer prior to application.

**INCORPORATED TREATMENT:** Apply and incorporate immediately after application in late fall or very early spring before May 1.

**PERENNIAL WEED CONTROL:** This product is recommended for control of certain perennial weeds such as ARTEMISIA, CANADA THISTLE, CURLY DOCK, FALSEDANDELION (CATSEAR), FESCUE, LEAFY SPURGE, ORCHARDGRASS, QUACKGRASS, RUSSIAN KNAPWEED, TIMOTHY, WILD ARTICHOKE, WILD ASTER, WILD CARROT, AND YELLOW ROCKET IN ESTABLISHED ORNAMENTAL PLANTINGS.

**ANNUAL WEED CONTROL** - This product is recommended for control of annual grass and broadleaf weeds and certain perennial weeds such as: ANNUAL BLUEGRASS (POA ANNUA), BLUEGRASS, BULL THISTLE, CAMPHORWEED, CARPETWEED, CHICKWEED, CITRONMELON, COFFEEWEED, CRABGRASS, CUDWEED, DANDELION, DOGFENNEL, EVENINGPRIMROSE, FIDDLENECK, FLORIDA PURSLANE (PUSLEY), FOXTAIL, GISEKIA, GROUNDSEL, HENBIT, HORSETAIL, JERUSALEMOAK GOOSEFOOT, KNOTWEED, LAMBSQUARTERS, MAYPOPS, MILKWEED VINE (MORRENIA ODORATA), MINERS LETTUCE, NATALGRASS, OLD WITCHGRASS, PEPPERGRASS, PINEAPPLEWEED, PLANTAIN, PURSLANE, RAGWEED, RED DEADNETTLE, REDROOT PIGWEED, ROSARYPEA, RUSSIAN THISTLE, SHEPHERDSPURSE, SMARTWEED, SPANISHNEEDLES, SPURGE, TEAWEED, TEXAS PANICUM (HURRAHGRASS), WILD BARLEY, WILD MUSTARD, WILD RADISH, AND YELLOW WOODSORREL.

**FRUIT IN ORCHARDS AND NURSERIES:** Do not plant rotational crops, on which dichlobenil is not registered, in treated soil within one (1) year after application. This product may be used on the following crops; do not allow livestock to graze treated orchards:

- A. ~~Apple, Blueberry, Cherry, Grape, Nectarine, Peach, Pear, Prune Plum:~~ May be used on bearing, non-bearing and nursery stock. Do not apply within 4 weeks after transplanting. Do not make application within one month of harvest of stone fruits. Apply 100 to 150 pounds per acre for annual weed control based on area actually treated. For control of perennial weeds apply 150 pounds per acre. Follow General Directions above.
- B. ~~Blackberry and Raspberry:~~ For control of annual weeds follow General Directions above except use only on established plantings and do not apply more than 100 pounds per acre. Do not apply during new shoot emergence.

ESTABLISHED ORNAMENTAL PLANTINGS: For control of annual weeds, apply 100 to 150 pounds of product per treated acre. Or, apply 2.3-3.4 pounds of product per 1,000 square feet. Do not apply until 4 weeks after transplanting.

For control of perennial weeds, apply 150 to 200 pounds per treated acre. Or, apply 3.4-4.6 pounds of product per 1,000 square feet. Do not apply more than 150 pounds per acre on AZALEA, BOXWOOD, EUONYMUS, FORSYTHIA, HEATHER, HOLLY, IVY, LILAC, LEUCOTHOE. Do not apply more than 150 pounds per acre on plantings less than one year old.

Established ornamentals that may be treated include the following:

Amur Corktree	Eastern Red Cedar	Kinnikinnick	Pittosporum
Arbutus	Elm	Laurel	Poplar
Ash	Elwood Cypress*	Leucothoe	Privet
Azalea <sup>1</sup>	English Walnut	Lilac	Pyracantha
Barberry	Euonymus	Linden	Rhododendron
Beauty Bush	Filbert	Locust	Rockrose
Birch	Flowering Almond	Magnolia	Rose
Boxelder	Flowering Quince	Maple*	Russian Olive
Boxwood	Forsythia	Mock Orange	Spirea
Camellia	Gardenia	Mountain Ash	Squaw-carpenter
Caragana	Goldenraintree	Nandina	Weigela
Cleyera japonica	Hackberry	Oak	Willow*
Cotoneaster	Heather	Osmanthus	Yew ( <i>Taxus</i> )
Cottonwood	Holly ( <i>Ilex</i> spp.) <sup>2</sup>	( <i>Holly-olive</i> )	
Crabapple	Honeysuckle	Paxistima	
Deutzia	Ivy ( <i>Hedra helix</i> )	Pecan	
Dogwood	Juniper	Photinia	

<sup>1</sup> Kurume, Mollis, Hardy hybrid types and hardy native species only.

<sup>2</sup> Except *I. crenata*, *I. rotunda*, *I. vomitoria*

\* Not for use on these species in California

USE PRECAUTIONS: Do not use in seedbeds, transplant or cutting beds or greenhouses. Do not apply until 6 months after rooting or cuttings in the field, or after planting rooted cuttings. Do not apply on fruit stock within 3 months prior to or following grafting or budding of root stocks or planting of new grafts. Do not apply to areas on slopes above lawns or susceptible crops where run-off water from treated area could cause injury. Do not apply more than the maximum recommended amount per growing season. Do not use on "St. Lucie fine sand", "Arzell fine sand" or other light sandy soils. Do not graze livestock in treated areas.

#### WEED CONTROL IN CRANBERRIES

Control of perennial and annual, broadleaf and grass weeds (including rushes and sedges) in cranberries can be obtained by use of this product. The following weeds are controlled: Sensitive Fern, Bracken Fern, Royal Fern, Hair Cap Moss, Common Horsetail, Water Horsetail (pipes), Rush (*Juncus* spp.), Dodder, Bluejoint grass, Rattlesnake grass (Manna grass), Summer grass, Velvetgrass, Bent Grasses, Little Hairgrass, Crabgrass, Rice Cutgrass, Bunch grass, Muskrat grass, Nutsedge (Nutgrass), Short Wiregrass, Wideleaf grass, Stargrass, Woolgrass, Cotton grass, Needlegrass, Oniongrass, Arrowleaved Tear Thumb, Beggarsticks, Knotweed, Loosestrife, Marsh St. Johnswort, Tideland clover, Ragweed, Sorrel, Wild Strawberry, Aster, Buckbean, Hawkweed, Western Lilaeopsis, Marsh Pea Plantain, Smartweed (Marshpepper, Pennsylvania, Spotted, Swamp and Water). Application should be made in early spring while perennial weeds are still dormant and annual weeds have not started to germinate or in late fall after crop has been harvested. Apply pre-bloom or post-harvest.

### Spring Treatment for Cranberries

~~AREAS OTHER THAN PACIFIC NORTHWEST: Apply 100 pounds per acre. Do not make spring application if treatment was made the previous fall.~~

~~PACIFIC NORTHWEST: Two equal applications may be made in spring with an interval of 3 to 6 weeks between treatments. Total application should be 100 pounds per acre.~~

### Fall Treatment for Cranberries

~~In all growing areas apply 100 to 150 pounds per acre in the fall after crop has been harvested. Do not make fall application if treatment was made the previous spring. Use high rate only on very woody bogs, or on bogs abandoned because of weeds.~~

~~PRECAUTIONS: Distribute uniformly. Avoid over application which may result from over-lapping during treatment. Temporary reddening of cranberry plants may occur especially with late spring application or when applied on sandy bogs. Do not apply after cranberry plants start to bloom as yields may be reduced. Do not use on young beds or newly sanded beds or on bogs prior to or immediately after mowing for vines.~~

~~OTHER USES: NUTSEDGE CONTROL To control nutsedge (nutgrass) on mineral soils in areas on which containers of nursery stock are to be grown or held and also for control in non-crop areas; apply 250 to 500 pounds per acre and incorporate immediately to a depth of 4 to 6 inches. Seasonal control of annual weeds will also be obtained. Containers or plants listed above may be placed on treated soil immediately. Do not transplant into treated soil.~~

~~UNDER ASPHALT: For general weed control under asphalt (in areas such as roadways, parking lots, recreational areas), after final grade is achieved, apply 250 to 300 pounds per acre (5 ¼ to 7 pounds per 1,000 square feet). Treated area should be covered with asphalt as soon as possible. For re-surfacing work, existing weeds should be sprayed with a contact herbicide prior to application.~~

### LIMITED WARRANTY AND DISCLAIMER.

The manufacturer warrants only that the chemical composition of this product conforms to the ingredient statement given on the label, and that the product is reasonably suited for the labeled use when applied according to the Directions for Use.

THE MANUFACTURER NEITHER MAKES NOR INTENDS ANY OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE EXPRESSLY DISCLAIMED. This limited warranty does not extend to the use of the product inconsistent with label instructions, warnings or cautions, or to use of the product under abnormal conditions such as drought, excessive rainfall, tornadoes, hurricanes, etc. These factors are beyond the control of the manufacturer or the seller. Any damages arising from a breach of the manufacturer's warranty shall be limited to direct damages, and shall not include indirect or consequential damages such as loss of profits or values, except as otherwise provided by law.

The terms of this Limited Warranty and Disclaimer cannot be varied by any written or verbal statements or agreements. No employee or agent of the seller is authorized to vary or exceed the terms of this Limited Warranty and Disclaimer in any manner.

**BEST COPY AVAILABLE**