

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Craig Martens
PBI/Gordon Corporation
Post Office 014090.
Kansas City, MO 64101

SEP 16 2003

Dear Mr. Martens

The labeling referred to above, associated with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable, provided the following revisions are made:

1. Under "Precautionary Statements";

Since the acute primary eye irritation toxicity of dichlobenil is classified as Category III, add the following statement:

"Causes moderate eye irritation."

2. Under "First Aid";

Add "If in eyes" as the first box with the following statements:

- 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.

3. Under "Environmental Hazards";

Add the following "Ground Water Advisory" statements as required in the EPA Dichlobenil Reregistration Eligibility Decision (RED) document:

"This chemical has properties and characteristics associated with chemicals detected in ground water. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow may result in ground-water contamination."

4. "Under directions for use";

It is recommended that you add the following spray drift statements:

"Do not allow spray to drift from the application site and contact people, structures people occupy at any time and the associated property, parks and recreation areas, nontarget crops, aquatic and wetland areas, woodlands, pastures, rangelands, or animals. Apply only when wind speed is not more than 10 mph."

5. Add a section on "personal protective equipment" with the following requirements:

Applicators and handlers must wear:

- Long-sleeved shirt and long pants.
- Shoes plus socks.
- Chemical-resistant gloves, made of waterproof materials, such as butyl rubber >14 mils, nitrile rubber >14 mils, or neoprene rubber >14 mils.

6. Under "Storage and Disposal";

Change "Storage" to "Pesticide Storage," and "Product Disposal" to "Pesticide Disposal."

7. Under "Use Rate";

Under the Dichlobenil RED document, the maximum application rate is 10 lbs. active ingredient (AI) per acre. Adjust the application rate accordingly.

8. For Granular Formulations With Use Directions on Ground (Soil or Gravel) in Liners in Which Ornamental Stock Will Be Placed, add the following requirements:

"Thoroughly incorporate the granules into the soil (or other target surface) through watering-in. Once the application has been correctly incorporated through watering-in and the treated surface is dry, the WPS permits workers to enter the treated area during the restricted-entry interval without personal protective equipment or any other restriction if they are performing tasks that do not involve contact with the soil subsurface."

9. It is recommended that you implement the provisions in the EPA Pesticide Registration (PR) Notice 2001-5, Guidance for Pesticide Registrants on Pesticide Resistance Management Labeling. The notice is available at the EPA web site: http://www.epa.gov/PR_Notices/#2001.

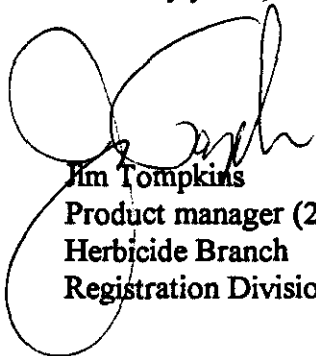
Page 3
EPA Reg. No. 2217-682

10. Under "Limited Warranty and Disclaimer":

The Agency has not reviewed or accepted the warranty statement. It may need to be changed at a later date.

The amended label supersedes all previously accepted labels. A stamped copy of the revised label is enclosed for your records. Please submit one copy of your final printed label before you release the product for shipment.

Sincerely yours,



Jim Tompkins
Product manager (25)
Herbicide Branch
Registration Division (7505C)

Enclosure

CONCURRENCES							
SYMBOL ▶	7505C						
SURNAME ▶	Bien						
DATE ▶	9-11-03						

NOROSAC® 4G

DICHLORBENIL 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.....	<u>96.0%</u>
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 and First Aid.

NET WEIGHT FIFTY POUNDS

AP-----

EPA REG. NO. 2217-682

EPA EST. NO. 407-1A

MANUFACTURED BY:



Telephone: 1-800-821-7925

SEP 16 2003

ACCEPTEL
with COMMENTS
in EPA Ltr. Dated

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

2217-682



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

PRECAUTIONARY STATEMENTS

Hazards to Humans & Domestic Animals

CAUTION: Harmful if swallowed or absorbed through skin or inhaled. Avoid contact with eyes, skin or clothing. Avoid breathing dust. Wear long-sleeved shirt and long pants, socks and shoes, and chemical-resistant gloves (such as rubber or water-proof). Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash clothing before reuse.

First Aid

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 mouth-to-mouth if possible. • Call a poison control center or doctor for further treatment advice.
Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-877-800-5556 for emergency medical treatment advice.	

ENVIRONMENTAL HAZARDS:

Cover, collect, or incorporate granules spilled on the soil surface. For terrestrial uses, do not apply directly to water, or 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.

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.

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, nonsurfaced 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 ½ 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° 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, Evening Primrose, Fiddleneck, Florida Purslane (Pusley), Foxtail, Gisekia, Groundsel, Henbit, Horsetail, Jerusalem oak, 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.

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	Euonymus	Mock Orange
Arborvitae	Filbert	Mountain Ash
Ash	Flowering Almond	Nandina
Azalea ¹	Flowering Quince	Oak
Barberry	Forsythia	Osmanthus (<i>Holly-olive</i>)
Beauty Bush	Gardenia	Paxistima
Birch	Goldenraintree	Pecan
Boxelder	Hackberry	Photinia
Boxwood	Heather	Pittosporum
Camellia	Holly (<i>Ilex</i> spp.) ²	Poplar
Caragana	Honeysuckle	Privet
Cleyera japonica	Ivy (<i>Hedra helix</i>)	Pyracantha
Cotoneaster	Juniper	Rhododendron
Cottonwood	Kinnikinnick	Rockrose
Crabapple	Laurel	Rose
Deutzia	Leucothoe	Russian Olive
Dogwood	Lilac	Spirea
Eastern Red Cedar	Linden	Squaw-carpet
Elm	Locust	Weigela
Elwood Cypress*	Magnolia	Willow*
English Walnut	Maple*	Yew (<i>Taxus</i>)
¹ Kurume, Mollis, Hardy hybrid types and hardy native species only.		
² Except <i>I. crenata</i> , <i>I. rotunda</i> , <i>I. vomitoria</i>		
* 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 to areas on slopes above lawns or susceptible crops where runoff 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.

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 $\frac{3}{4}$ to 7 pounds per 1,000 square feet). Treated area should be covered with asphalt as soon as possible. For resurfacing 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.