



OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

February 11, 2026

Brittany Wilkerson
Regulatory Affairs label Specialist
PBI/Gordon Corporation
P.O. Box 860350
Shawnee, Kansas 66286

Subject: Label Amendment - Registration Review Mitigation for Dichlobenil
Product Name: Norosac 4G Dichlobenil Granules
EPA Registration Number: 2217-682
Case Number: 673390
Application Date: May 17, 2019

Dear Brittany Wilkerson:

The Agency, in accordance with the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, has completed reviewing all the information submitted with your application to support the Registration Review of the above referenced product in connection with the Dichlobenil Interim Decision, and has concluded that your submission is acceptable. The label referred to above, submitted in connection with registration under FIFRA, as amended, is acceptable.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide, Fungicide, and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling and must be used at your next label printing. You must submit one copy of the final printed labeling before you release the product for

shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 12 months from the date of this letter. After 12 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

If you have any questions about this letter, please contact Concepción Rodríguez by phone at 202-566-0820, or via email at rodriguez.concepcion@epa.gov.

Sincerely,



Maryam K. Muhammad-Perch, Team Lead
Risk Management and Implementation Branch 4
Pesticide Re-Evaluation Division
Office of Pesticide Programs

ENCLOSURE: Stamped label

ACCEPTED

02/11/2026

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

DICHLOBENIL	GROUP	20	HERBICIDE
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**NOROSAC® 4G
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 and First Aid.

NET WEIGHT: FIFTY POUNDS

AP102703

EPA REG. NO. 2217-682

EPA EST. NO. 407-IA

MANUFACTURED BY:



1217 West 12th Street

Kansas City, Missouri 64101

Telephone: 1-800-

821-7925



**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.

Personal Protective Equipment:

Applicators and handlers must wear a minimum of:

- Long-sleeved shirt and
- long pants
- Shoes and socks
- Waterproof gloves
- Wear a minimum of a NIOSH-approved particulate filtering facepiece respirator with any R or P filter; OR a NIOSH-approved elastomeric particulate respirator with any N, R or P filter; OR a NIOSH-approved powered air purifying respirator with HE filters.

Additional required PPE for specific activities/crop and/or use are included in the application instructions for each crop and/or use.

For the following scenarios all handlers must also wear minimum of a respirator and single layer with gloves:

- For mixing/loading granules using tractor-drawn spreader on non-crop areas, and non-agricultural ornamentals (such as woody trees and shrubs), shelterbelt plantings
- For loading/applying granules with a rotary spreader on non-agricultural ornamentals and non-crop areas
- For applying granules with tractor-drawn spreader for non-crop areas
- For loading/applying granules with a rotary spreader under asphalt
- For applying granules with shaker can under asphalt and non-crop areas

User Safety Recommendations

Users should: Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

User Safety Requirements

Follow manufacturer's instructions for cleaning/maintaining PPE. If there are no such instructions for washable PPE, use detergent and hot water. Keep and wash PPE separately from other laundry.

First Aid

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 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. 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.

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.

NON-TARGET ORGANISM ADVISORY:

This product is toxic to plants and may adversely impact the forage and habitat of non-target organisms, including pollinators, in areas adjacent to the treated site. Protect the forage and habitat of non-target organisms by following label directions intended to minimize spray drift.

DIRECTIONS FOR USE

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

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 First Aid Statement.

RESISTANCE MANAGEMENT

For resistance management, this product contains a Group 20 herbicide. Any weed population may contain or develop plants naturally resistant to this product and other Group 20 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same area. Appropriate resistance management strategies should be followed.

To delay herbicide resistance take one or more of the following steps:

- Rotate the use of this product or other Group 20 herbicides within a growing season sequence or among growing seasons with different herbicide groups that control the same weeds.
- Use tank mixtures with herbicides from a different group if such use is permitted; where information on resistance in target weed species is available, use the less resistance-prone partner at a rate that will control the target weed(s) equally as well as the more resistance-prone partner. Consult your local extension service or pest control advisor if you are unsure as to which active ingredient is currently less prone to resistance.
- Adopt an integrated weed-management program for herbicide use that includes scouting and uses historical information related to herbicide use, and that considers mechanical control methods, cultural (e.g., timing to favor the turf and not the weeds), biological (weed-competitive varieties) and other management practices.
- Scout after herbicide application to monitor weed populations for early signs of resistance development. Indicators of possible herbicide resistance include: 1) failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds; 2) a spreading patch of non-controlled plants of a particular weed species; 3) surviving plants mixed with controlled individuals of the same species. If resistance is suspected, prevent weed seed production in the affected area by an alternative herbicide from a different group or by a mechanical method. Prevent movement of resistant weed seeds to other areas by cleaning equipment.
- If a weed pest population continues to progress after treatment with this product, discontinue use of this product, and switch to another management strategy or herbicide with a different mode of action, if available.
- Contact your local extension specialist or pest control advisor for additional pesticide resistance-management and/or integrated weed-management recommendations for specific types of turf and weed biotypes.

- For further information or to report suspected resistance, call 877-800-5556.

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, nonsurfaced roadways, and fencerows.

For the following scenarios all handlers must also wear minimum of a respirator and single layer with gloves:

- For mixing/loading granules using tractor-drawn spreader on non-crop areas, and non-agricultural ornamentals (such as woody trees and shrubs), shelterbelt plantings
- For loading/applying granules with a rotary spreader on non-agricultural ornamentals and non-crop areas
- For applying granules with tractor-drawn spreader for non-crop areas

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 $>70-75^{\circ}$ 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.

FOR TREATMENTS ON GROUND (SOIL OR GRAVEL) IN LINERS IN WHICH ORNAMENTAL STOCK WILL BE PLACED:

Thoroughly incorporate the granules into the soil (or other target surface) through watering-in. Once the application has been properly 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.

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, 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.

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 spp.</i>) 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. 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 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.

Do not apply this product by backpack applicator.

Aerial application is prohibited.

UNDER ASPHALT:

For general weed control under asphalt (in areas such as roadways, parking lots, recreational areas), after final grade is achieved, apply 250 per acre (5½ 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.

For the following scenarios all handlers must also wear minimum of a respirator and single layer with gloves:

- For loading/applying granules with a rotary spreader under asphalt
- For applying granules with shaker can under asphalt and non-crop areas

STORAGE & DISPOSAL

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

PESTICIDE 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.

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.