

400-168

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ACCEPTED

AUG 1 1995

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 400-168

CASORON® 4G

DICHLORBENIL WEED AND GRASS KILLER

Net contents:

COMPOSITION

Active Ingredient: (% by weight)

Dichlobenil (2,6-dichlorobenzonitrile)	4.0%
Inert Ingredients	96.0%
Total	100.0%

KEEP OUT OF REACH OF CHILDREN CAUTION

STATEMENT OF PRACTICAL TREATMENT

- IF SWALLOWED:** Call a physician or Poison Control Center immediately. Drink promptly a large quantity of water.
- IF INHALED:** Remove to fresh air; if abnormal symptoms develop, contact a physician.
- IF ON SKIN:** Wash affected area with plenty of soap and water.
- IF IN EYES:** Flush with plenty of water for at least 15 minutes. Contact a physician.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if swallowed. Avoid breathing of dust. Avoid contact with eyes or skin. 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 a way. See Statement of Practical Treatment.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and Other Handlers Must Wear: A long-sleeved shirt & long pants; waterproof gloves; shoes plus socks.

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

Engineering Control Statements: When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) 4-6], the handler PPE requirements may be reduced or modified as specified in the WPS.

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.



ENVIRONMENTAL HAZARDS

Do not contaminate water when disposing of equipment washwaters. Cover, collect, or incorporate granules spilled on the soil surface. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark.

Uniroyal Chemical Company, Inc., Middlebury, CT 06749

EPA Reg. No. 400-168

EPA Est. No.

004WPS

DIRECTIONS FOR USE

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

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.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

Exception: if the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

coveralls

- waterproof gloves
- shoes plus socks.

This chemical demonstrates the 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.

PERENNIAL WEED CONTROL

CASORON 4G is recommended for control of certain perennial weeds in established woody ornamentals, nuts and fruit and for control in non-crop areas such as roadways, around buildings and fences, railroad and utility rights-of-way and installations.

WEEDS CONTROLLED:

Artemisia	Leafy Spurge	Timothy
Canada Thistle	Orchardgrass	Wild Artichoke
Curly Dock	Quackgrass	Wild Aster
Dandelion (Catsear)	Russian Knap weed	Wild Carrot
Fescue	Smooth Brome	Yellow Rocket

SOIL SURFACE TREATMENT: Apply CASORON 4G as a soil surface treatment in late fall from November 15 to February 15.

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 CASORON 4G and incorporate immediately after application in late fall or very early spring before May 1.

ANNUAL WEED CONTROL

CASORON 4G is recommended for control of annual grassy and broadleaved weeds and certain perennial weeds such as:

Annual Bluegrass (Poa annua)	Giselia	Purslane
Bluegrass	Groundsel	Ragweed
Bull Thistle	Henbit	Red Deadnettle
Camphorweed	Horsetail	Redroot Pigweed
Carpetweed	Jerusalem oak	Rosarypea
Chickweed	Goosefoot	Russian Thistle
Citron Melon	Knotweed	Shepherdspurse
Coffeeweed	Lambsquarter	Smartweed
Crabgrass	Maypops	Spanishneedles
Cudweed	Milkweed Vine	Spurge
Dandelion	(Morreria odorata)	Teaweed
Dogfennel	Miners Lettuce	Texas Panicum
Evening Primrose	Natalgrass	(Hurrah grass)
	Old Witchgrass	Wild Barley

Fiddleneck	Peppergrass	Wild Mustard
Florida Purslane (Pusley)	Pineapple Weed	Wild Radish
Foxtail	Plantain	Yellow Woodsorrel

Apply CASORON 4G either in early spring before seeds of 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 1/2 to 1 inch of water by overhead irrigation, the lower rates are recommended. Shallow incorporation immediately after application is recommended in southern areas. In other areas, shallow incorporation or sprinkler irrigation is suggested when applications are made during periods of high temperature.

NOTE: Use of CASORON 4G on plants not listed on the label may result in damage.

FRUIT AND NUT ORCHARDS AND NURSERIES

CASORON 4G may be used on the following crops.

A. Apple, Blueberry, Cherry, Grape, Pear, Filbert May be used on bearing, non-bearing and nursery stock. Do not apply until 4 weeks after transplanting. Do not make application within one month of harvest of nuts or 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.

Do not allow livestock to graze treated orchards. Do not plant rotational crops, on which dichlobenil is not registered, in treated soil within one year after application.

**WOODY ORNAMENTALS AND SHELTERBELTS
[ESTABLISHED AND IN NURSERIES]**

For control of annual weeds, CASORON 4G may be used on the following plants. Apply 100 to 150 pounds of CASORON 4G per acre, based on area actually treated. Do not apply until 4 weeks after transplanting. Follow general directions above. For control of perennial weeds listed, apply 150 to 200 pounds per acre. 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 1 year old. Follow general directions listed above.

Amur Corktree	Filbert	Nandina
Arbor Vitae	Flowering Almond	Oak
Ash	Flowering Quince	Osmanthus
Azalea ¹	Forsythia	(Holly-olive)
Barberry	Gardenia	Pachistima
Beauty Bush	Goldenrain tree	Pecan
Birch	Hackberry	Photinia
Boxelder	Heather	Pines ³
Boxwood	Holly (Ilex spp.) ²	Pittosporum
Camellia	Honeysuckle	Poplar
Caragana	Ivy (Hedera helix)	Privet
Cleyera japonica	Juniper	Pyracantha
Cotoneaster	Kinnikinnick	Rhododendron
Cottonwood	Laurel	Rockrose
Crabapple	Leucothoe	Rose
Deutzia	Lilac	Russian Olive
Dogwood	Linden	Spirea
Eastern Red Cedar	Locust	Squawcarpet
Elm	Magnolia	Weigela
Elwood Cypress	Maple	Willow
English Walnut	Mock Orange	Yew (Taxus)
Euonymus	Mountain Ash	

¹Kurume, Mollis, hardy hybrid types and hardy native Azalea species only.

²Except Ilex crenata, I. rotunda, I. vomitoria.

³Pine species are sensitive to injury from CASORON 4G if applied within two years after transplanting. Do not use on pines in California.

USE PRECAUTIONS

AVOID APPLICATIONS WHICH ALLOW CASORON 4G GRANULES TO LODGE IN THE FOLIAGE, PARTICULARLY IN CONIFER TYPE SPECIES, SUCH AS PINES, YEWES, ETC.

Do not allow CASORON 4G granules to accumulate and be in contact with trunk at or below soil line.

Do not use in seed beds, transplant or cutting beds or greenhouses.

Do not apply until 6 months after rooting of cuttings in the field, or after planting rooted cuttings.

Do not apply CASORON 4G to fruit stock within 3 months prior to or following grafting or budding of root stocks or planting of new grafts.

Do not apply more than the maximum recommended amount of CASORON 4G per growing season.

Do not use on "St. Lucie fine sand," "Arzell fine sand" or other light, sandy soil.

Do not graze livestock in treated areas.

WEED CONTROL IN CRANBERRIES

Control of perennial and annual, broadleaved and grassy weeds (including rushes and sedges) in cranberries can be obtained by use of CASORON 4G. The following weeds are controlled:

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|---------------------------------|------------------------|---|
| Sensitive Fern | Rice Cutgrass | Tideland clover |
| Bracken Fern | Bunch grass | Ragweed |
| Royal Fern | Muskrat grass | Sorrell |
| Hair Cap Moss | Nutsedge (Nutgrass) | Wild Strawberry |
| Common Horsetail | Short Wiregrass | Aster |
| Water Horsetail (pipes) | Wideleaf grass | Buckbean |
| Rush (Juncus spp.) | Stargrass | Hawkweed |
| Dodder | Woolgrass | Western Lilaeopsis |
| Bluejoint grass | Cotton grass | Marsh Pea |
| Rattlesnake grass (Manna grass) | Needle grass | Plantain |
| Summer grass | Oniongrass | Smartweed |
| Velvetgrass | Arrowleaved Tear Thumb | (Marsh pepper, Pennsylvania, Spotted, Swamp, Water) |
| Bent Grasses | Beggarsticks | |
| Little Hairgrass | Knotweed | |
| Crabgrass | Loosestrife | |
| | Marsh St. Johnswort | |

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

AREAS OTHER THAN PACIFIC NORTHWEST: Apply 100 pounds CASORON 4G per acre. Do not make spring application if treatment was made the previous fall. See specific directions for spring treatment in the Pacific Northwest.

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

Fall Treatment

In all growing areas, apply 100 pounds of CASORON 4G per acre in the fall after crop has been harvested. Do not make fall application if treatment was made the previous spring.

USE PRECAUTIONS

Distribute CASORON 4G uniformly. Avoid over-application which may result from over-lapping during treatment period. 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 of CASORON 4G per acre and incorporate immediately to a depth of 4 to 6 inches. Seasonal control of annual weeds will also be obtained. Containers of 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 lbs. per acre, (5 1/4 to 7 lbs. per 1,000 sq. ft.). 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 CASORON 4G application.

STORAGE AND DISPOSAL

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

STORAGE - Store in a dry location. Do not store with propagative structures such as seed, bulbs, tubers, nursery stock, etc., or with food or feed products.

PESTICIDE DISPOSAL - Wastes resulting from the use of this product may be disposed of on site or 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 NOTICE—Seller warrants that this product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with the directions and instructions specified on the label 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 seller, and buyer assumes the risk of any such use.

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