

PM 25 37100-2

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**DUPHAR
CASORON® G-4
DICHOLOBENIL WEED AND GRASS KILLER**

CASORON® is a registered trademark of Duphar B.V., Weesp, Holland.

Active ingredient:	
Dichlobenil (2,6-dichlorobenzonitrile)	4.0%
Inerts	96.0% +
TOTAL	100.0%

KEEP OUT OF REACH OF CHILDREN

CAUTION

STATEMENT OF PRACTICAL TREATMENT

If swallowed: Induce vomiting by drinking water and touching back of throat with finger.
 If inhaled: Remove to fresh air.
 If in eyes: Rinse with water for 15 minutes.
 If on skin: Wash with soap and water.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS

CAUTION: Harmful if swallowed. Avoid breathing dust. Avoid contact with skin or eyes.

WORKERS SAFETY RULES

IMPORTANT! Always wash hands, face and arms with soap and water before smoking, 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, STOP WORK and get help right away. See STATEMENT OF PRACTICAL TREATMENT.

ENVIRONMENTAL HAZARDS

Cover, collect or incorporate granules spilled on the soil surface. Do not apply directly to water or wetlands (swamps, bogs, marches and potholes). Do not contaminate water when disposing of equipment washwaters.

DUPHAR B.V.
Crop Protection Division
C.J. van Houtenlaan 36
1381 CP Weesp, Holland

ACCEPTED

FEB 21 1990

Under the Federal Insecticide, Fungicide, & Rodenticide Act, as amended, for the pesticide registration number: 37100-2

EPA REG. NO. 37100-2
EPA EST. NO. 37100-HL-01

DIRECTIONS FOR USE

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

STORAGE & DISPOSAL

Prohibitions: Do not contaminate water, food or feed by storage or disposal. Open burning is prohibited.
Storage: Do not store with propagative structures such as seed, bulbs, tubers, nursery stock, etc., or with feed or food products. Store in a tightly closed container in a dry place.
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 liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of liner in a sanitary landfill or by incineration if allowed by state and local authorities. If drum cannot be reused, dispose of in the same manner.

GENERAL DIRECTIONS

PERENNIAL WEED CONTROL

CASORON G-4 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 right of way and installations.

WEEDS CONTROLLED:

Artemisia	Falsedandelion	Orchardgrass	Timothy
Bindweed	(Catsear)	Quackgrass	Wild Artichoke
Canada Thistle	Fescue	Russian Knapweed	Wild Aster
Curly Dock	Leafy Spurge	Smooth Brome	Wild Carrot
			Yellow Rocket

SOIL SURFACE TREATMENT: Apply CASORON G-4 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 G-4 and incorporate immediately after application in late fall or very early spring before May 1.

ANNUAL WEED CONTROL

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

Annual Bluegrass	Fiddleneck	Milkweed Vine	Russian Thistle
Bluegrass	Florida Purslane	(Morrenia odorata)	Shepherdspurge
Bull Thistle	(Pusley)	Miners Lettuce	Smartweed
Camphorweed	Foxtail	Natalgrass	Spanishneedles
Carpetweed	Giselia	Old Witchgrass	Spurge
Chickweed	Goosefoot	Peppergrass	Teaweed

Citron Melon	Groundsel	Pineapple Weed	Texas Panicum
Coffeeweed	Henbit	Plantain	(Hurrahgrass)
Crabgrass	Horsetail	Purslane	Wild Barley
Cudweed	Jerusalemoak	Ragweed	Wild Mustard
Dandelion	Knotweed	Red Deadnettle	Wild Radish
Dogfennel	Lambsquarters	Redroot Pigweed	Yellow Woodsorrel
Evening-primrose	Maypops	Rosarypea	

Apply CASORON G-4 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 G-4 on plants not listed on the label may result in damage.

FRUIT AND NUT ORCHARDS AND NURSERIES

CASORON G-4 may be used on the following crops.

- A. Apple, Blueberry, Cherry, Grape, Nectarine, Peach, Pear, Prune, Plum 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.

USE PRECAUTIONS

Do not plant rotational crops, on which Dichlobenil is not registered, in treated soil within one (1) year after application. Do not allow livestock to graze treated orchards.

WOODY ORNAMENTALS AND SHELTERBELTS (ESTABLISHED AND IN NURSERIES)

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

For control of perennial weeds listed, apply 150 to 270 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 above.

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

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

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

USE PRECAUTIONS

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 on 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 G-4 per growing season. Do not use on "St. Lucie fine sand", "Arzell fine sand" or other light sand soil. Do not graze livestock in treated areas.

WEED CONTROL II CRANBERRIES

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

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

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 G-4 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 to 150 pounds of CASORON G-4 per acre in the fall after the crop has been harvested. Do not make fall application if treatment was made the previous spring. Use high rate only on very weedy bogs, or on bogs abandoned because of weeds.

USE PRECAUTIONS

Distribute CASORON G-4 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 G-4 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 250-300 lbs. per acre, (5 3/4 to 7 lbs. per thousand 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 CASORON G-4 application.

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 the label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.

NET WEIGHT: POUNDS (KILOGRAMS)