CASORON® G-2
Granular Herbicide
contains dichlobenil

COMMERCIAL

READ THE LABEL BEFORE USING

GUARANTEE: Dichlobenil 2%

REGISTRATION NO. 20377
PEST CONTROL PRODUCTS ACT

NET CONTENTS: 15 Kg

Chemtura Canada Co./Cie
25 Erb Street
Elmira, ON N3B 3A3

24 Hour Emergency Phone:
866-744-3060

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**DIRECTIONS FOR USE:**

**DO NOT APPLY BY AIR**

**CASORON G-2 Granular Herbicide** provides weed control in established plantings of Woody Ornamentals, Fruit trees, Nurseries, Shelterbelts, Hedgerows, Windbreaks, Grapes, Saskatoons, Cranberries, Raspberries and High Bush Blueberries. **CASORON G-2 Granular Herbicide** is recommended for control of many annual grasses, broadleaf weeds and certain perennial weeds including:

<table>
<thead>
<tr>
<th>Annual bluegrass</th>
<th>Foxtail</th>
<th>Plantain</th>
</tr>
</thead>
<tbody>
<tr>
<td>Artemisia*</td>
<td>Groundsel</td>
<td>Puslane</td>
</tr>
<tr>
<td>Bindweed*</td>
<td>Horsetail</td>
<td>Sheep Sorrel*</td>
</tr>
<tr>
<td>Blue aster</td>
<td>Knotweed</td>
<td>Shepherd's-purse</td>
</tr>
<tr>
<td>Bracken fern</td>
<td>Kochia</td>
<td>Smartweed</td>
</tr>
<tr>
<td>Canada thistle*</td>
<td>Lamb's-quarters</td>
<td>Sow thistle</td>
</tr>
<tr>
<td>Chickweed</td>
<td>Loosestrife</td>
<td>Spurge</td>
</tr>
<tr>
<td>Crabgrass</td>
<td>Mustard</td>
<td>Vetch*</td>
</tr>
<tr>
<td>Couch grass*</td>
<td>Nutsedge*</td>
<td>Wild buckwheat*</td>
</tr>
<tr>
<td>Dandelion*</td>
<td>Pigweed</td>
<td></td>
</tr>
</tbody>
</table>

*Controlled with the higher rates and late fall applications.

For control of annual apply **CASORON G-2 Granular Herbicide** only to well prepared weed-free soil in early spring or late fall before annual weed seeds of annual weeds germinate. If annual weeds have started to germinate before application cultivate to remove them. Apply granules uniformly over the soil surface.

Do not apply until 4 weeks after transplanting. For best results **CASORON G-2 Granular Herbicide** should not be applied during periods of high soil temperatures.

Apply 220-350 kilograms of **CASORON G-2 Granular Herbicide** per hectare based on the area actually treated. Do not use on light sandy soil. If the application is followed by an application of 1.3 to 2.5 centimeters of water by overhead irrigation the lower rates are recommended.

Treating smaller areas or calibrating:

<table>
<thead>
<tr>
<th>CASORON G-2 Granular Herbicide per Area Treated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hectare</td>
</tr>
<tr>
<td>---------</td>
</tr>
<tr>
<td>220 kg</td>
</tr>
<tr>
<td>350 kg</td>
</tr>
</tbody>
</table>

**ESTABLISHED PLANTINGS OF WOODY ORNAMENTALS, NURSERIES AND SHELTERBELTS*, HEDGEROWS AND WINDBREAKS**:

**CASORON G-2 Granular Herbicide** may be used for weed control with repeat applications each year for maintenance weed control. Follow directions listed above.
**CASORON G-2 Granular Herbicide** may be used for weed control on the plants listed below. Follow application directions.

<table>
<thead>
<tr>
<th>Arborvitae</th>
<th>Elm</th>
<th>Locust</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ash</td>
<td>Euonymous</td>
<td>Maple</td>
</tr>
<tr>
<td>Barberry</td>
<td>Forsythia sp.</td>
<td>Mock orange</td>
</tr>
<tr>
<td>Birch (Cut Leaf Weeping)</td>
<td>Heather</td>
<td>Rhododendron</td>
</tr>
<tr>
<td>Boxwood</td>
<td>Holly (<em>Ilex spp.</em>)†</td>
<td>Rose</td>
</tr>
<tr>
<td>Caragana</td>
<td>Honeysuckle</td>
<td>Spirea</td>
</tr>
<tr>
<td>Cedar (Eastern Red)</td>
<td>Juniper</td>
<td>Willow</td>
</tr>
<tr>
<td>Cedar (White)</td>
<td>Lilac</td>
<td>Yew (Taxus)</td>
</tr>
<tr>
<td>Crabapple</td>
<td>Linden</td>
<td></td>
</tr>
</tbody>
</table>

* only trees listed above should make up the Shelterbelts, Hedgerows, Windbreaks
† Holly (*Ilex spp.* Except *I. crenata, I. rotunda, I vomitoria*)

**Note:** DO NOT USE ON:

- Gladiolus
- *Ajuga*
- Hemlock
- *Mugho pine*

† avoid use on plants which die down to the ground in the fall
use with caution on shallow rooted ground covers (*Euonymous* can be treated), and other plants from list above.

**CONTAINER NURSERY STOCK:**

Apply **CASORON G-2 Granular Herbicide** at 220 kg per hectare. Water in immediately after application.

For use on these specific species:

- **Juniper** - *Juniperus chinensis*
- - *Juniperus horizontalis*
- **Yew** – *Thuja occidentalis*

For the control of the weeds mentioned earlier on this label plus Bittercress.

Observe these use guidelines.

**DO NOT USE IN OR NEAR GREENHOUSES**

Wait to apply **CASORON G-2 Granular Herbicide** for at least four (4) weeks after transplanting into containers. Use only on established container plants growing outside in the open air. Do not use in seedbeds, transplant or cutting beds or in greenhouses. Do not use after September 15 or within thirty (30) days of potting treated stock into a container holding house as damage to the crop may occur. Use only on potting mixes that have a minimum of 80% pure organic matter. Lower amount of organic matter may increase risk of injury to the crop.

Only small numbers of containers should be treated until a grower has experience with this application. For further information contact provincial government authorities.
FRUIT TREES AND FRUIT TREE NURSERIES:
CASORON G-2 Granular Herbicide may be used for weed control around bearing fruit trees and second year orchard stock of the following tree fruits. APPLE, CHERRY, PEACH, PEAR, AND PLUM. Follow directions for broadcast or band (herbicide strip) tree area only application. Refer to precautions for timing with transplants. 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 per growing season.

NEWLY PLANTED APPLE TREES: (in British Columbia only). May be treated with CASORON G-2 Granular Herbicide four weeks after planting in the orchard but prior to weed growth. Apply 220-350 kg per hectare once per season. Use the lower rate on lighter soils. Under warm growing conditions, immediately after application of the CASORON G-2 Granular Herbicide apply 1.3-2.5 cm of water by overhead irrigation.

CRANBERRIES:
Control of annual broad leaved species, Blue Aster, Loosestrife, Horsetail, Knotweed, Plantain, Smartweed, Grasses, certain Sedges and Juncus Species. Application should be made early in the spring while perennial weeds are still dormant and annual weeds have not started to germinate. Apply pre-bloom.

SPRING APPLICATION: Apply 220 kilograms CASORON G-2 Granular Herbicide per hectare. Do not make a spring application after application the previous fall. See specific directions for British Columbia.

BRITISH COLUMBIA: Apply 350 - 450 kilograms CASORON G-2 Granular Herbicide per hectare in two equal applications in early spring with an interval of 3 to 6 weeks between each 180 - 220 kilograms per hectare treatment. Do not make fall applications.

Note: Distribute granules evenly. Avoid over application which may result from overlapping during treatment. Temporary reddening of Cranberry plants may occur, especially with late spring applications. Do not apply after Cranberry plants start to bloom as yield may be reduced. Do not use on young beds, newly sanded beds or beds recently mowed for vines. Use lower rates of application on sandy bogs.

HIGHBUSH BLUEBERRIES:
Apply uniformly at the rate of 350 - 450 kilograms per hectare during the dormant period (late winter). Bracken fern and weeds listed in the cranberry section of this label will be controlled.

RASPBERRIES:
For couch grass, other perennial broadleaf weeds and annual weeds in established raspberry plantings. Apply CASORON G-2 Granular Herbicide at the rate of 350 kilograms per hectare in late fall. Use this rate only every other year. Do not cultivate or work into the soil. Do not apply in the spring as injury may occur.

ESTABLISHED SASKATOONS:
Weeds controlled - as per above list including chickweed, stinkweed, groundsel, pigweed, dandelion and some grasses. Apply to Saskatoons, established for one or more years. Apply with a granular applicator in the fall before freeze-up. Use 220-350 kg of CASORON G-2 Granular Herbicide granules per hectare on a broadcast basis. Do not apply within 9 months of harvest.
GRAPES:
Apply only to control weeds under grapes established for at least two full years. Do not treat soil the year before planting or replanting grapes. Grape nurseries should not be treated.
Rates: For seedling weeds use 220 - 350 kilograms per hectare in early spring or fall. For perennial weeds such as couch grass and thistles, apply in the fall using 350-450 kilograms per hectare.
Follow these specific recommendations:
1. Treat when vines are completely dormant.
2. Treat only healthy vines.
3. Treat only vines established for at least two full years.
4. Apply in cool weather on moist soil.
5. Avoid over-application to base of the stem.
Note: If spring application is made, apply before the weeds germinate and a month before the grape buds burst. Do not apply on hazy, hot days.

COUCH GRASS AND ARTEMISIA CONTROL IN ESTABLISHED WOODY ORNAMENTALS:
Couch grass and Artemisia can be controlled in woody ornamentals listed above (except Boxwood, Euonymous, Forsythia, Heather) which has been planted for at least one year - and for control in non-crop areas. Apply 300 kilograms per hectare CASORON G-2 Granular Herbicide as a uniform coverage in late fall from October 15th to December 15th and reapply at the rate of 300 kilograms per hectare in very early spring before May 1.

COUCH GRASS, THISTLES, BINDWEED, DANDELION:
Can be fall treated to free the area of weeds for spring plantings of woody ornamentals. Apply 450 - 550 kilograms of CASORON G-2 Granular Herbicide per hectare as a uniform coverage in late October or November. DO NOT TRANSPLANT INTO TREATED SOIL FOR ONE YEAR.

NUTSEDGE (NUTGRASS) CONTROL:
To control Nutsedge (Nutgrass) on mineral soils in areas on which containers of nursery stock are to be grown or held - also for control on cultivated non-crop land; apply 550 - 1100 kilograms CASORON G-2 Granular Herbicide per hectare and incorporate immediately to a depth of 10 to 15 centimeters. 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 FOR ONE YEAR. Apply by ground only.

RESISTANCE MANAGEMENT RECOMMENDATIONS:
For resistance management, CASORON G-2 Granular Herbicide is a Group 20 herbicide. Any weed population may contain or develop plants naturally resistant to CASORON G-2 Granular Herbicide and other Group 20 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Other resistance mechanisms that are not linked to site of action, but specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.
To delay herbicide resistance:
• Where possible, rotate the use of CASORON G-2 Granular Herbicide or other Group 20 herbicides with different herbicide groups that control the same weeds in a field.
• Use tank mixtures with herbicides from a different group when such use is permitted.
• Herbicide use should be based on an IPM program that includes scouting, historical information related to herbicide use and crop rotation, and considers tillage (or other mechanical), cultural, biological and other chemical control practices.
• Monitor treated weed populations for resistance development.
• Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment and planting clean seed.
• Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or integrated weed-management recommendations for specific crops and weed biotypes.
• For further information or to report suspected resistance, contact Chemtura Canada Co./Cie at 1-800-350-1745 or at www.chemtura.com.

**PRECAUTIONS:**
• **KEEP OUT OF REACH OF CHILDREN.** Harmful if swallowed. Avoid breathing dust. Avoid skin or eye contact. Avoid contamination of feed and foodstuffs.
• Do not use crops other than those listed on the label. Do not use in seedbeds, transplant or cutting beds. **DO NOT USE IN OR AROUND GREENHOUSES.**
• Do not apply until 6 months after rooting of cuttings in the field.
• **CAUTION:** Do not graze livestock in treated areas or use treated crops for forage or fodder, sufficient data are not available to support such use. Application in spring should be made well before bud burst. Do not plant vegetables or other sensitive crops the year following soil treatment.

**FIRST AID:**
**IF SWALLOWED:** INDUCE VOMITING by giving the patient syrup of ipecac (adult or child 12 years or older -30mL, child under 12 - 15mL) followed by water to enhance vomiting. Keep patient quiet, seek medical attention IMMEDIATELY or contact a poison control centre. Do not give anything by mouth or attempt to induce vomiting if the person is unconscious.
**IF IN EYES:** Wash immediately with running water for 15 minutes. Obtain medical attention or contact a poison control centre IMMEDIATELY.
**IF ON SKIN:** Wash with warm water and soap for 15 minutes.
**IF INHALED:** Remove victim to fresh air IMMEDIATELY.

Take container, label or product name and Pest Control Product Registration number with you when seeking medical attention.

**TOXICOLOGICAL INFORMATION:** Treat symptomatically.

**STORAGE AND DISPOSAL:**
**STORAGE:** Store product in original container only, away from other pesticides, fertilizer, food or feed. Keep container closed. Do not store in direct sunlight. Do not store above 35°C or below 0°C.
**DISPOSAL:**
1. Triple-or-pressure rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

NOTICE TO USER:
This control product is to be used only in accordance with the directions on the label. It is an offence under the Pest Control Products Act to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of the product.

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