

4-SEP-2003 Notification received of a label change. See below for this change.

07-OCT-2002

GROUP 15 HERBICIDE

DEVIRINOL® 2-G
Selective Herbicide
GRANULAR

HERBICIDE

COMMERCIAL

For use on Container-grown Ornamentals, Field-grown Nursery Stock, Liner Stock, Forestry Stock and Ground Covers.

GUARANTEE:

Napropamide..... 2%

**READ THE LABEL BEFORE USING
KEEP OUT OF REACH OF CHILDREN**

REGISTRATION NO. **22773**
PEST CONTROL PRODUCTS ACT

NET CONTENTS **20 kg**

Notification Change

~~Syngenta Crop Protection Canada, Inc.~~
140 Research Lane
Research Park, University of Guelph
Guelph, Ontario
N1G 4Z3

United Phosphorus Inc.
423 Riverview Plaza
Trenton, NJ, 08611
USA

Patent No. 1,059,146
EPA Est. 476-NB-1 H91/A-1

NOTICE TO USER

This control product is to be used only in accordance with the directions on this label. It is an offense under the Pest Control Products Act to use a control product under unsafe conditions.

NOTICE TO BUYER

Seller's guarantee shall be limited to the terms set out on the label and subject thereto, the buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition.

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN.

May Be Harmful If Swallowed.

Avoid contact with skin, eyes and clothing. Wash thoroughly after use. Avoid contamination of seed, fertilizer, food and feed.

This product contains a petroleum distillate which is moderately to highly toxic to aquatic organisms. Avoid contamination of aquatic systems during application. Do not contaminate these systems through direct application, disposal of waste or cleaning of equipment.

FIRST AID

IN CASE OF POISONING, contact a physician or a poison control centre immediately. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

If swallowed, immediately give several glasses of water and induce vomiting by gagging the victim with a finger placed on the back of the victim's tongue. Give fluids until vomitus is clear. Never give anything by mouth to an unconscious or convulsing person. Call a physician or the nearest poison control centre immediately.

For eye contact, hold eyelids apart and flush with plenty of water for 15 minutes. Get medical attention.

For skin contact, flush all affected areas with plenty of water for several minutes. Remove contaminated clothing and shoes. Get medical attention if irritation occurs. Wash clothing before reuse.

If inhaled, remove to fresh air. Seek medical attention if respiratory irritation occurs or if breathing becomes difficult.

ENVIRONMENTAL HAZARDS

Keep out of lakes, streams and ponds. Do not contaminate any body of water, including irrigation water or water used for domestic purposes. Do not contaminate water by cleaning of equipment or disposal of wastes.

STORAGE

Do not store near food, feed, seed or fertilizer. Keep container tightly closed when not in use. Store in a cool, dry place.

DECONTAMINATION AND DISPOSAL:

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.

CONTAINER DISPOSAL OR REFILLING:

Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

***IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL, FIRE OR POISONING
CALL 1-800-327-8633 (FASTMED)***

DIRECTIONS FOR USE

DO NOT APPLY BY AIR

USE PRECAUTIONS

Read all label directions before using. Apply this product only as specified on this label. Use only for recommended purposes and at recommended rates. Do not overdose.

USE INFORMATION

DEVIRINOL 2-G does not control established weeds. It must be applied to freshly weeded soil before weeds germinate or during fall and winter months.

DEVIRINOL 2-G can be applied to newly planted container-grown stock after soil has settled from first watering, to field grown nursery stock, and to established plants.

DEVIRINOL 2-G needs mechanical incorporation (such as, power tiller), adequate irrigation or natural moisture (rainfall or snow) for optimum results. The treatment must reach the zone of weed seed germination. If rainfall does not occur within 7 days for a spring or fall application or 2 days for a summer application (June, July and August), a shallow incorporation to a depth of 2.5 to 5 cm or an irrigation (sprinkler or flood) with sufficient water to wet the soil to a depth of 5 to 10 cm is necessary.

WEEDS CONTROLLED

Annual Grasses:

Annual bluegrass (*Poa annua*)
Foxtail (*Setaria* spp)
Sandbur (*Cenchrus* spp)

Barnyard grass (*Echinochloa crusgalli*)
Large crabgrass (*Digitaria sanguinalis*)
Wild oats (*Avena fatua*)

Annual Broadleaf Weeds:

Chickweed (*Stellaria media*)
Small-flowered mallow* (*Malva parviflora*)
Annual sow-thistle (*Sonchus oleraceus*)
Groundsel (*Senecio* spp)
Pineapple weed (*Matricaria matricarioides*)
Redroot pigweed (*Amaranthus retroflexus*)

Prostrate knotweed (*Polygonum aviculare*)
Purslane (*Portulaca oleracea*)
Stork's-bill (*Erodium cicutarium*)
Lamb's-quarters (*Chenopodium album*)
Prickly lettuce (*Lactuca scariola*)

*From Seed

AREAS OF USE

Nursery Stock - Field-Grown (Ornamental and Forestry)

Consult List of Ornamentals and Nursery Stock on which DEVIRINOL 2-G can be used. Apply DEVIRINOL 2-G as a broadcast treatment over young nursery stock or to a larger stock either as a band or broadcast application.

Application can be made anytime of the year to weed free soil. However, since DEVIRINOL 2-G requires rainfall or irrigation with sufficient water to wet the soil to a depth of 5 to 10 cm soon after application for adequate weed control, application should be timed to take advantage of rainfall if irrigation is not available. Fall and winter applications will provide excellent weed control the following spring and summer.

Thorough incorporation of DEVIRINOL 2-G into the soil to a depth of 2.5 - 5 cm will provide excellent weed control with less rainfall required.

One application of DEVIRINOL 2-G should provide adequate weed control for a growing season in temperate areas.

Container-Grown Ornamentals

Consult list of plant species on which DEVRINOL 2-G can be used.

Apply DEVRINOL 2-G as a broadcast application over the containers.

Normal irrigation or rainfall (if a fall or winter application is made in cold areas) should provide sufficient water for satisfactory weed control.

DEVRINOL 2-G is recommended on several different container potting soil mixtures. These mixtures include those containing 30 percent soil and or sand and mixtures containing no soil. (Example: perlite, peat, bark, sawdust and sand).

Ground Covers

Apply DEVRINOL 2-G as a broadcast treatment over the ground covers. Irrigate immediately with sufficient water to wet the soil to a depth of 5 to 10 cm or apply when rainfall is expected.

Highways, Industrial and Foundation Ornamental Plantings

Use broadcast treatment over young ornamentals or as a directed application where larger plants are growing. Irrigate soon after application or apply just before expected rain. Fall through spring applications are preferred if irrigation is not available or if application is to be made in low summer rainfall areas.

List of Ornamentals and Nursery Stock

Deciduous and Evergreen Trees:

Acer	Laburnum	Pinus	Populus
Crataegus	Malus	Pittosporum	Prunus
Gleditsia	Picea	Podocarpus	Pyrus

Deciduous and Evergreen Shrubs:

Asparagus (Sprengeri)	Hibiscus	Ligustrum	Rhododendron
Hypericum	Pittosporum	Rosa	Buxus
Ilex	Podocarpus	Taxus	Euonymus
Juniperus	Pyracantha		

Ground Covers:

Gazania

Container Grown:

Agapanthus	Hedera	Pinus sp.	Rhododendron
Asparagus	Ilex	Podocarpus	Rosa
Buxus	Juniperus	Pyracantha	Thuja
Euonymus	Ligustrum		

APPLICATION RATES

For control of the listed annual grasses and broadleaf weeds in the following ornamentals, nursery stock, container-grown stock, and ground covers, apply 225 kg of DEVRINOL 2-G per broadcast hectare.

NOTE TO BUYER/USER:

The DIRECTIONS FOR USE for this product for the uses described below were developed by persons other than Syngenta Crop Protection Canada, Inc. and accepted for registration by Health Canada under the User Requested Minor Use Label Expansion program. Syngenta Crop Protection Canada, Inc. itself makes no representation or warranty with respect to performance (efficacy) and/or crop tolerance (phytotoxicity) claims for this product when used on the crops listed below.

Accordingly, the Buyer and User assume all liability arising, and agree to hold Syngenta Crop Protection Canada, Inc. harmless from any claims based on efficacy and/or phytotoxicity in connection with the uses described below.

**FIELD GROWN NURSERY AND CONTAINER STOCK
DIRECTIONS FOR USE**

Only apply to transplanted or established stock, DO NOT apply to species right after direct seeding. For control of annual grasses and broadleaf weeds listed on full label (WEEDS CONTROLLED BY 225 kg/ha) in the field grown nursery stock, container grown ornamentals and ground covers listed below, use the current label rate:

Apply 225 kg of DEVRINOL 2-G per broadcast hectare.

Deciduous and Evergreen Trees: ash, birch, black walnut, cedar, cypress, dogwood, Douglas fir, eucalyptus, fir, hemlock, Japanese larch and pin oak.

Deciduous and Evergreen Shrubs: abelia, aucuba, azalea, bottlebrush, camellia, cotoneaster, crape myrtle, dogwood, forsythia, honeysuckle (Lonicera), leucothoe, nandina, osmanthus, photinia, raphiolepis, star jasmine, viburnum.

Fruit and Nuts: filbert, grape and walnut.

Ground covers: ajuga, heder, hypericum, ivy, lantana, liriop, pachysandra, sedum and vinca

Flowers: aster, dahlia, daisy, geranium, narcissus, osteospermum (African daisy), petunia, plantain lily (hosta).

Container grown ornamentals: abelia, ageratum, azalea, bottlebrush, bougainvillea, camellia, cedar, cotoneaster, crape myrtle, cypress, dogwood, Douglas fir, eucalyptus, fir, forsythia, gardenia, geranium, heather, hibiscus, leucothoe, liriop, nandina, pachysandra, photinia, raphiolepis, sedum, star jasmine, vinca.

Resistance Management Recommendation

For resistance management, DEVRINOL 2-G Herbicide is a Group 15 herbicide. Any weed population may contain or develop plants naturally resistant to DEVRINOL 2-G Herbicide and other Group 15 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 DEVRINOL 2-G Herbicide or other Group 15 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 company representatives at 1-800-459-2422 (in Eastern Canada) or 1-800-665-9250 (in Western Canada) or at www.syngenta.ca

® DEVRINOL is a registered trademark of a Syngenta company.

This label transcript service is offered by the Pest Management Regulatory Agency to provide efficient searching for label information. This service and this information do not replace the official hard-copy label. The PMRA does not provide any guarantee or assurance that the information obtained through this service is accurate, current or correct, and is therefore not liable for any loss resulting, directly or indirectly, from reliance upon this service.