



Devrinol[®]

2-G ORNAMENTAL

SELECTIVE HERBICIDE

**A Preemergence Herbicide for Weed Control in Home Flower Gardens and Landscape Plantings.
Use in Deciduous and Evergreen Trees and Shrubs, Ground Covers, Perennial Flowers,
Fruit and Nut Crops, Container Grown Plants, and Turfgrass**

Active Ingredient:	
Napropamide	2.0%
Inert Ingredients:	98.0%
Total	100.0%

Contains 2 pounds of active ingredient per 100 pounds.
Devrinol is a registered trademark of United Phosphorus Inc.

EPA Reg. No. 70506-33-17545

EPA Est. No. 48498-CA-1

KEEP OUT OF REACH OF CHILDREN CAUTION	
FIRST AID	
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 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 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.
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.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
HOT LINE NUMBER	
For 24 hour medical emergency assistance (human or animal), call the National Pesticide Information Center 1-800-858-7378. For chemical emergency: spill, leak, fire, exposure, or accident, call CHEMTREC 1-800-424-9300.	

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Avoid contact with skin, eyes, and clothing. May be harmful if swallowed. Do not breathe dust. Avoid contamination of food and feed.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical resistant gloves made of any waterproof material such as Barrier Laminate, Nitrile Rubber (≥14 mils), Neoprene Rubber (≥14 mils) or Viton (≥14 mils)
- Shoes plus socks.

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

Engineering Controls Statement

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.
- 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.

ENVIRONMENTAL HAZARDS

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 cleaning equipment or disposing of equipment washwaters.

GENERAL PRECAUTIONS

- Read all instructions before using.
- Use only for recommended purposes and at recommended rates.
- Do not overdose.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Apply this product as specified on this label.

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 Part 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 (REI). 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
- Chemical resistant gloves made of any waterproof material such as Barrier Laminate, Nitrile Rubber (≥ 14 mils), Neoprene Rubber (≥ 14 mils) or Viton (≥ 14 mils)
- Shoes plus socks

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Do not enter or allow others to enter the treated area until dusts have settled.

WHAT THIS PRODUCT DOES

Devrinol 2-G Ornamental controls certain annual grassy and broadleaf weeds as they germinate. It does not control established weeds. The weeds controlled are listed below:

WEEDS CONTROLLED BY DEVRINOL 2-G ORNAMENTAL

Annual Grasses			
Barnyardgrass, Junglerice	<i>Echinochloa spp.</i>	Green foxtail	<i>S. viridis</i>
Wild barley	<i>Hordeum leporinum</i>	Yellow foxtail	<i>S. lutescens</i>
Annual bluegrass	<i>Poa annua</i>	Goosegrass	<i>Eleusine indica</i>
Bromes	<i>Bromus</i>	Seedling Johnsongrass	<i>Sorghum halepense</i>
Cheatgrass	<i>B. secalinus</i>	Wild oats	<i>Avena fatua</i>
Downy brome	<i>B. tectorum</i>	Panicums	<i>Panicum</i>
Ripgut brome	<i>B. rigidus</i>	Guineagrass	<i>P. paximum</i>
Soft chess	<i>B. mollis</i>	Fall panicum	<i>P. dichotomiflorum</i>
Large (hairy) crabgrass	<i>Digitaria sanguinalis</i>	Texas panicum	<i>P. texanum</i>
Smooth crabgrass	<i>Digitaria ischaemum</i>	Witchgrass	<i>P. capillare</i>
Southwestern cupgrass	<i>Eriochloa gracilis</i>	Italian ryegrass	<i>Lolium multiflorum</i>
Foxtails	<i>Setaria</i>	Sandbur	<i>Cenchrus spp.</i>
Bristly foxtail	<i>S. verticilla</i>	Red sprangletop	<i>Leptochloa filiformis</i>
Giant foxtail	<i>S. faberi</i>	Stinkgrass	<i>Eragrostis cilianensis</i>

Annual Broadleaf Weeds			
Carpetweed	<i>Mollugo verticillata</i>	Little mallow*	<i>Malva parviflora</i>
Common chickweed	<i>Stellaria media</i>	Redroot pigweed	<i>Amaranthus retroflexus</i>
Coast fiddleneck	<i>Amsinckia intermedia</i>	Pineappleweed	<i>Matricaria matricarioides</i>
Filaree	<i>Erodium spp.</i>	Common purslane	<i>Portulaca oleracea</i>
Groundsel	<i>Senecio spp.</i>	Horse purslane	<i>Trianthema portullacastrum</i>
Prostrate knotweed	<i>Polygonum aviculare</i>	Common ragweed**	<i>Ambrosia artemisiifolia</i>
Lambsquarters	<i>Chenopodium album</i>	Annual sowthistle	<i>Sonchus oleraceus</i>
Prickly lettuce	<i>Lactuca serriola</i>		

* From seed ** Suppression

WHERE TO USE THIS PRODUCT

Devrinol 2-G Ornamental can be applied over small ornamental plants or around larger plants in rose gardens, container plantings, ornamental landscapes and ground covers including dichondra.

Use Devrinol 2-G Ornamental for weed control in the following plants:

Deciduous and Evergreen Trees

Acer	Crataegus	Fir	Olive (Olea)	Pittosporum
Ash	Cypress	Gleditsia	Palm	Podocarpus
Birch	Dogwood	Hemlock	(Washington robusta)	Populus
Black walnut	Douglas fir	Japanese larch	Picea	Prunus
Cedar	Eucalyptus	Laburnum	Pin oak	Pears
Citrus	Ficus	Malus	Pinus	Pistachios

Deciduous and Evergreen Shrubs

Abelia	Cotoneaster	Honeysuckle	Natal plum	Rhodendron
Asparagus (Sprengeri)	Crepe myrtle	(Lonicera)	Oleander	Rosa
Aucuba	Dogwood	Hypericum	Osmanthus	Star jasmine
Azalea	Euonymus	Ilex	Photinia	Taxus
Bottlebrush	Forsythia	Juniperus	Pittosporum	Viburnum
Bougainvillea	Gardenia	Leucothe	Podocarpus	Xylosema
Buxus	Heather (Calluna)	Ligustrum	Pyracantha	
Camellia	Hibiscus	Nandina	Raphiolepis	

Ground Covers

Ajuga	Erysimum	Iceplant	Osteosperma
Carpobrotus	Gazania	Ivy	Pachysandra
Delosperma	Hedera	Lantana	Sedum
Dichondra	Hypericum	Liriope	Vinca

Container Stock

Abelia	Cedar	Forsythia	Ligustrum	Podocarpus
Agapanthus	Cotoneaster	Gardenia	Liriope	Pyracantha
Ageratum	Crepe myrtle	Geranium	Nandina	Rahiolepis
Asparagus	Cypress	Heather	Pachysandra	Rhododendron
Azalea	Dogwood	Hedera	Palm	Rosa
Bottlebrush	Douglas fir	Hibiscus	(Washington robusta)	Sedum
Bougainvillea	Eucalyptus	Ilex	Photina	Star jasmine
Buxus	Euonymus	Juniperus	Pinus spp.	Thuja
Camellia	Fir	Leucothe	Pittosporum	Vinca
				Xylosema

Flowers

African daisy	Chysanthemum	Geranium	Petunia
Aster	Dahlia	Gladiolus	Plantain lily (Hosta)
Bird of paradise	Daisy	Narcissus	Zinnia

Fruit and Nuts

Almond	Lemon	Pistachio	Strawberry: (Applications should be delayed until the desired number of daughter plants have become established. Do not apply from bloom through harvest).
Apple	Nectarine	Plum	
Apricot	Orange	Prune	
Cherry	Peach	Tangerine	
Filbert	Pear	Walnut	
Grape	Pecan		

WHEN TO USE THIS PRODUCT

Devrinol 2-G Ornamental should be used before weeds germinate. It will not control established weeds.

Application can be made anytime of the year to weed-free soil. Fall and winter applications will provide excellent weed control the following spring and summer.

In containers, apply after setting and watering the plants.

Devrinol 2-G Ornamental should be spread evenly on the soil surface using a shaker can or granular herbicide applicator.

Do not apply when weather conditions favor drift from areas treated.

When weed infestation is heavy or when broadleaves are the primary weeds, use one pound on 145 square feet (6.9 lbs./1,000 sq.ft.). For annual grassy weeds or when weed infestation is light, use one pound on 218 square feet (4.6 lbs./1,000 sq.ft.).

Do not apply more than 4.6 lbs. Devrinol 2-G Ornamental per 1,000 square feet in California.

Devrinol 2-G Ornamental should be incorporated evenly into the soil using a hand cultivator to a depth of 1-2 inches, or irrigation or natural moisture (rainfall or snow) (1/2 inch within 2-3 days) for optimum results.

For weed control in dichondra, apply at the time of seeding or to establish dichondra including dichondra sod. Irrigate with a minimum of one inch of water.

RECOMMENDATIONS: TURF GRASS (For Use on Warm Season Grasses Only)

Devrinol 2-G Ornamental is recommended for annual bluegrass, crabgrass and goosegrass in the following established turf grasses: bahia, bermudagrass, centipede, St. Augustine and fescue.

TIMING OF APPLICATION

For control of crabgrass and goosegrass, apply Devrinol 2-G Ornamental at the recommended rate. Application should be made 2-3 weeks prior to weed emergence. Devrinol 2-G Ornamental should be applied with a gravity flow drop spreader or a cyclone type spreader. A more uniform application can be made by spreading half the required amount over the area to be treated, then applying the remainder at right angles.

Devrinol 2-G Ornamental requires a minimum of one half (1/2) inch of rainfall or irrigation 2-3 days after application for adequate control. If irrigation methods are not available, the timing of the application of Devrinol 2-G Ornamental should be moved back several weeks to allow for some rainfall between application and weed germination.

RATES OF APPLICATION

For crabgrass control: Apply 100 to 150 lbs. of Devrinol 2-G Ornamental uniformly per acre (2.25 - 3.38* lbs. per 1,000 sq.ft.). Use the higher rate when applying before January 1 (not applicable north of South Carolina or when weed infestation is expected to be heavy).

* Where a rate range is given, use the higher rate when weed infestation is expected to be heavy.

For goosegrass control: Apply 100 to 150 lbs. of Devrinol 2-G Ornamental per acre (2.25 - 3.38 lbs. per 1,000 sq.ft.). Goosegrass usually starts to germinate 6-7 weeks after the start of crabgrass germination.

Split application for crabgrass and goosegrass control: When both of these weeds are to be controlled, apply 100 lbs. of Devrinol 2-G Ornamental spread uniformly per acre (2.25 lbs. per 1,000 sq.ft.) for crabgrass and another 100 lbs. of Devrinol 2-G Ornamental per acre for goosegrass. Apply 8-10 weeks apart. Timing should be adjusted to the germination of weeds in your area. Split applications give longer and better weed control than one application.

For annual bluegrass (*Poa annua*) control: Annual bluegrass is a winter annual in most of the warm season turf regions; therefore, application of Devrinol 2-G Ornamental should be made in the fall before the annual bluegrass germinates. Apply 100 to 150 lbs. of Devrinol 2-G Ornamental per acre (2.25 - 3.38 lbs. per 1,000 sq.ft.).

Reseeding: Do not reseed or overseed within six months after application.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Keep container closed when not in use. Store in a cool dry place. Do not store near seeds, fertilizer or food stuffs.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

PLASTIC CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at one, unopened, and the purchase price will be refunded.

The Directions for Use of this product should be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of Monterey Chemical Company (MCC) or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold MCC and Seller harmless for any claims relating to such factors.

MCC warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or MCC, and Buyer and User assume the risk of any such use. MCC makes no warranties of merchantability or of fitness for a particular purpose nor any other express or implied warranty except as stated above.

In no event shall MCC or Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. The exclusive remedy of the User or Buyer, and the exclusive liability of MCC and Seller for any and all claims, losses, injuries or damages (including claims based on breach of warranty, contract, negligence, tort, strict liability or otherwise) resulting from the use or handling of this product, shall be the return of the purchase price of the product or, at the election of MCC or Seller, the replacement of the product.

MCC and Seller offer this product, and Buyer and User accept it, subject to the foregoing conditions of sale and limitation of warranty and of liability, which may not be modified except by written agreement signed by a duly authorized representative of MCC.

NET CONTENTS: 10.5 LBS / 23.1 KG

Manufactured for
MONTEREY CHEMICAL COMPANY
P.O. Box 35000 • Fresno, CA 93745 • (559) 499-2100