

Devrinol® 10-G

Selective Herbicide
Granules

For Use On Certain Nuts, Small fruits, Strawberries, Grapes and Tobacco

ACTIVE INGREDIENT

Napropamide (CAS No. 15299-99-7)..... 10.0%

OTHER INGREDIENTS 90.0%

TOTAL.....100.0%

Contains 10 lbs. of active ingredient per 100 pounds

EPA Reg. No. 70506-34

EPA Est. No. 5905-IA-01

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. For Emergency Medical Assistance call the Rocky Mountain Poison Control Center at 1-866-673-6671.

HOT LINE NUMBER

For chemical emergency: spill, leak, fire, exposure, or accident, call CHEMTREC 1-800-424-9300.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if swallowed. Avoid contact with eyes, skin and clothing. Avoid inhalation of dust.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Mixers, loaders, applicators, and other handlers must wear:

- Long-sleeved shirt and long pants.
 - Shoes plus socks.
 - Chemical resistant gloves made of any waterproof material.
- Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

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.

Pilots must use an enclosed cockpit that meets the requirements in the Worker Protection Standard.

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE 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.

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.

GENERAL USE PRECAUTIONS

- Read all label directions before using.
- Use only for at specified rates. Do not overdose.
- Do not apply when weather conditions favor drift from areas treated.
- Do not contaminate irrigation water or water used for domestic purposes.
- DEVRINOL® 10-G herbicide may be used on mineral soils only. Do not use on soils with over 10% organic matter.
- Treating ground heavily covered with leaves or trash may adversely affect weed control.
- Do not apply to frozen ground.
- To avoid injury to crops not specified on this label, do not plant until 12 months after the last DEVRINOL 10-G herbicide application. A deep disc plow or moldboard plow operations must be carried out before planting.

NET WEIGHT: 50 lbs. (22.7 kg)



United Phosphorus, Inc.
630 Freedom Business Center, Suite 402
King of Prussia, PA 19406
1-800-438-6071 • www.upi-usa.com

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. 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 24 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.
- Shoes plus socks.
- Eyewear.

FAILURE TO FOLLOW DIRECTIONS AND PRECAUTIONS ON THIS LABEL MAY RESULT IN CROP INJURY, POOR WEED CONTROL, OR ILLEGAL RESIDUES.

DEVIRINOL 10-G is a selective surface-applied herbicide for use in certain nuts, small fruits, strawberries and direct seeded tobacco plantbeds. DEVIRINOL 10-G does not control established weeds. All weed growth and crop stubble in the fields must be thoroughly worked into the soil prior to planting. Application equipment should be carefully calibrated before use and checked frequently during application to be sure equipment is free from clogging and is delivering a uniform pattern. Apply the specified rate of DEVIRINOL 10-G by ground or air equipment.

NOTE: All rates are given on a broadcast basis, per acre. Reduce rates proportionately for band or strip treatment.

A surface application of 40 lbs. DEVIRINOL 10-G will control the following weeds:

WEEDS CONTROLLED BY DEVIRINOL 10-G

ANNUAL GRASSES:

Barnyardgrass, Junglerice	<i>Echinochloa</i> spp.
Wild Barley	<i>Hordeum Leporinum</i>
Annual Bluegrass	<i>Poa Annua</i>
Bromes	<i>Bromus</i>
Cheatgrass	<i>B. Secalinus</i>
Downy Brome	<i>B. Tectorum</i>
Rigput Brome	<i>B. Rigidus</i>
Soft Chess	<i>B. Mollis</i>
Large (Hairy) Crabgrass	<i>Digitaria Sanguinalis</i>
Smooth Crabgrass	<i>Digitaria Ischaemum</i>
Southwestern Cupgrass	<i>Eriochloa Gracilis</i>
Foxtails	<i>Setaria</i>
Bristly Foxtail	<i>S. Verticilla</i>
Giant Foxtail	<i>S. Faberi</i>
Green Foxtail	<i>S. Viridis</i>
Yellow Foxtail	<i>S. Lutescens</i>
Goosegrass	<i>Eleusine Indica</i>
Seedling Johnsongrass	<i>Sorghum Halepense</i>
Wild Oats	<i>Avena Fatua</i>
Panicums	<i>Panicum</i>
Guineagrass	<i>P. Maximum</i>
Fall Panicum	<i>P. Dichotomiflorum</i>
Texas Panicum	<i>P. Texanum</i>
Witchgrass	<i>P. Capillare</i>
Italian Ryegrass	<i>Lolium Multiflorum</i>
Sandbur	<i>Cenchrus</i> spp.
Red Sprangletop	<i>Leptochloa Filiformis</i>
Stinkgrass	<i>Eragrostis Cilianensis</i>

ANNUAL BROADLEAF WEEDS:

Carpetweed	<i>Mollugo Verticillata</i>
Common Chickweed	<i>Stellaria Media</i>
Coast Fiddleneck	<i>Amsinckia Intermedia</i>
Filaree	<i>Erodium</i> spp.
Groundsel	<i>Senecio</i> spp.
Prostrate Knotweed	<i>Polygonum Aviculare</i>
Lambsquarters	<i>Chenopodium Album</i>
Prickly Lettuce	<i>Lactuca Serriola</i>
Little Mallow*	<i>Malva Parviflora</i>
Redroot Pigweed	<i>Amaranthus Retroflexus</i>
Pineappleweed	<i>Matricaria Matricarioides</i>
Common Purslane	<i>Portulaca Oleracea</i>
Horse Purslane	<i>Trianthema Postullacastrum</i>
Common Ragweed**	<i>Ambrosia Artemisiifolia</i>
Annual Sowthistle	<i>Sonchus Oleraceus</i>
*From Seed	
**Suppression	

NOTE: See Crop Use Directions Section for weeds controlled in Cranberries.

NOTE: DEVIRINOL 10-G does not control established weeds.

CROP USE DIRECTIONS

Apply DEVIRINOL 10-G to a weed free soil surface at rates specified in the following crop use directions sections. Apply in the fall through early spring prior to weed emergence. For best results, the treatment must reach the zone of weed seed germination. If rainfall does not occur, the treatment must be shallowly incorporated or irrigated-in (sprinkler or flood) following application with sufficient water to wet the soil to a depth of 2 to 4 inches. In the Western and Pacific Northwest Regions treatments made in fall through early spring must be incorporated or irrigated-in if no rainfall occurs within two weeks of application. For treatments made other than in fall through early spring in these Regions, and for all treatments applied in the Northern, Southwestern and Southeastern Regions regardless of season, the treatment must be incorporated or irrigated-in within 24 hours if no rainfall occurs.

Avoid contact with fruit or foliage. Do not apply when fruit or nuts are on the ground during the harvest period. Do not graze treated areas.

Application may be made immediately after planting, except where treatment is restricted to established crops only. For these uses, apply to stands that have been established in the field for at least one year.

TREES AND VINES:

Filberts, Grapes, and Pecans. Apply 40 pounds DEVIRINOL 10-G per acre to a weed free soil surface. Maximum application rate per crop cycle: 4 lbs. a.i. (40 lbs. product) per acre. Apply a maximum of once per year.

STRAWBERRIES:

Apply 40 pounds DEVIRINOL 10-G per acre to a weed free soil surface. Delay application until the desired number of daughter plants have become established. Do not apply from bloom through harvest.

BUSH FRUIT:

Blueberries and Caneberries (Blackberries, Raspberries, Boysenberries, Loganberries). Apply 40 pounds DEVIRINOL 10-G per acre to a weed free soil surface.

CRANBERRIES:

CAUTION: Do not apply in the springtime to cranberry beds that do not have sprinkler systems for frost control.

Maximum application rate per crop cycle: 9 lbs. a.i. (90 lbs. product) per acre. Apply a maximum of once per year.

Northeast (Connecticut, Delaware, Massachusetts, Maryland, Maine, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont, West Virginia)

Established beds (over one year old)

For control of nutsedge (*Cyperus dentatus*) and rice cutgrass (*Leersia oryzoides*) and purplestem beggarticks (*Bidens connata*), apply DEVIRINOL 10-G at the rates indicated below to a weed free soil surface before spring growth begins or in the fall after harvest. Do not apply when beds are under winter flood.

In Peat Beds: Apply 60-90 pounds DEVRINOL 10-G per acre.
In Beds with Sandy Soils: Apply 40-60 pounds DEVRINOL 10-G per acre.

New Plantings

Apply 30 pounds DEVRINOL 10-G per acre to a weed free soil surface after planting.

North Central (Michigan, Minnesota, North Dakota, South Dakota, Wisconsin)

Established beds (over one year old)

For control of purplestem beggarticks (*Bidens connata*) and rice cutgrass (*Leersia oryzoides*), apply DEVRINOL 10-G at the rates indicated below to a weed free soil surface before spring growth begins or in the fall after harvest. Avoid applying when beds may be reflowed for spring frost protection or when soils are water soaked. Do not apply when beds are under winter flood.

In Peat Beds: Apply 60-90 pounds DEVRINOL 10-G per acre.
In Beds with Sandy Soils: Apply 40-60 pounds DEVRINOL 10-G per acre.

New Plantings

Apply 30 pounds DEVRINOL 10-G per acre to a weed free soil surface after planting.

West (Idaho, Montana, Oregon, Washington)

Established beds (over one year old)

For control of clover (*Trifolium fimbriatum*), aster (*Aster douglasii*), silverweed cinquefoil* (silverleaf) (*Potentilla anserina*), red sorrel (sheep sorrel) (*Rumex acetosella*) and birdsfoot trefoil (*Lotus corniculatus*), apply DEVRINOL 10-G at the rates indicated below to a weed free soil surface before spring growth begins in mid-February or before the end of March. Do not apply after buds start to swell.

In Beds with Heavy Muck Soil: Apply 90 pounds of DEVRINOL 10-G per acre.
In Peat Beds: Apply 60 to 90 pounds DEVRINOL 10-G per acre.
In Beds with Sandy Soils: Apply 40-90 pounds DEVRINOL 10-G per acre.

New Plantings

Apply 30 pounds DEVRINOL 10-G per acre to a weed free soil surface after planting.

*Suppression only

MINT:

Established mint (Pacific Northwest only). Apply 40 pounds DEVRINOL 10-G per acre to a weed free soil surface.

TOBACCO:

Direct-seeded Plantbeds (Indiana, Kentucky, Maryland, Massachusetts, Ohio, Pennsylvania, Tennessee, Virginia and West Virginia). Apply 13.6 pounds DEVRINOL 10-G per broadcast acre or 6.0 oz. DEVRINOL 10-G per 1,200 sq. ft.

For control of white clover (*Trifolium repens*), apply to a weed-free soil surface.

Lightly incorporate or sprinkler irrigate within 24 hours using sufficient water to wet the soil to a 2 to 4 inch depth.

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 foodstuffs.

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 or cardboard container into application equipment. Then dispose of empty bag or cardboard container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

IMPORTANT INFORMATION READ BEFORE USING PRODUCT

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

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 once, unopened, and the purchase price will be refunded.

The Directions for Use of this product reflect the opinion of experts based on field use and tests, and must be followed carefully. It is impossible to eliminate all risks 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 United Phosphorus, Inc. or Seller. Handling, storage, and use of the product by Buyer or User are beyond the control of United Phosphorus, Inc. and Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold United Phosphorus, Inc. and Seller harmless for any claims relating to such factors.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, UNITED PHOSPHORUS, INC. AND SELLER MAKE NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ON THIS LABEL.

To the extent consistent with applicable law, United Phosphorus, Inc. or Seller shall not be liable for any incidental, consequential or special damages resulting from the use or handling of this product and **THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF UNITED PHOSPHORUS, INC. 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 UNITED PHOSPHORUS, INC. OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

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

DEVRINOL® is a trademark of United Phosphorus, Inc.

Made in U.S.A.

Rev. 4/08



United Phosphorus, Inc.
630 Freedom Business Center, Suite 402
King of Prussia, PA 19406
1-800-438-6071 • www.upi-usa.com

70506-34(051308-3069)