DEVRINOL® 5-G ORNAMENTA

Selective Herbic

A Preemergence [illegible] control in container-grown ornamentals, field-grown nursery stock, liner stock, ground cover

DEVRINOL 5-G Ornamental Controls Many Annual Grasses and Broadleaf Weeds

JAN 21 1994

ACTIVE INGREDIENT:	
N,N-Diethyl-2-(1-naphthalenyloxy)-[illegible]	5.0%
INERT INGREDIENTS:	95.0%
TOTAL	100.0%

Contains 5 lbs. of Active Ingredient [illegible]
EPA Reg. No. 10182-242
EPA Est. No. 10182-NB-1

KEEP OUT OF REACH OF CH[illegible]

CAUTION

MAY BE HARMFUL IF SWALLOWED

STATEMENT OF PRACTICAL TREATMENT

If an adverse reaction occurs after exposure, promptly initiate the recommended procedures below. If further treatment is required, seek medical attention.

IN CASE OF CONTACT: Flush eyes and skin with plenty of water for several minutes. Get medical attention if eye or skin irritation occurs.

IF SWALLOWED: Immediately give several glasses of water and induce vomiting by placing a finger on the back of the victim's tongue. Give fluids until vomitus is clear. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person.

IF INHALED: Remove to fresh air. Seek medical attention if respiratory irritation occurs or if breathing becomes difficult.

FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE, CALL 1-800-F-A-S-T-M-E-U (327-8638)
FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident call CHEMTREC 1-800-424-9300.

For other product information, contact your local ®ZENECA Distributor or see Material Safety Data Sheet.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

MAY BE HARMFUL IF SWALLOWED. Do not breathe dust. Avoid contact with skin, eyes and clothing.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear:
- Long-sleeved shirt and long pants
- 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.

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 wetlands. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product as specified on this label. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water used for domestic purposes. Avoid Contamination of Food and Feed.

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

GENERAL 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.

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 protection 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 12 hours.

Exception: If the product is soil-incorporated 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
- Waterproof gloves
- Shoes plus socks

DEVRINOL® 5-G ORNAMENTAL does not control established weeds. It must be applied to freshly weeded soil before weeds germinate or during Fall and Winter months.

DEVRINOL 5-G ORNAMENTAL can be applied to newly planted container stock after soil has settled from first watering. Field grown nursery stock, dichondra and to established plants.

DEVRINOL 5-G ORNAMENTAL needs mechanical incorporation (such as, power tiller), adequate irrigation or natural moisture (rainfall or snow) (1-2 inches within 2-3 days) for optimum results.

DEVRINOL 5-G ORNAMENTAL is recommended on several different container potting and stakes. These stakes include those containing 30 percent soil and/or sand and mixtures containing no soil (peat moss, perlite, peat, park, sawdust and sand).

WEEDS CONTROLLED BY DEVRINOL 5-G ORNAMENTAL

ANNUAL GRASSES:			
Barnyardgrass, Junglerice	*Echinochloa spp.*	Green Foxtail	*S. viridis*
Wild Barley	*Hordeum leporinum*	Yellow Foxtail	*S. lutescens*
Annual Bluegrass	*Poa annua*	Goosegrass	*Eleusine indica*
Bromes	*Bromus*	Seedling Johnsongrass	*Sorghum halepense*
Cheatgrass	*B. secalinus*	Wild Oats	*Avena fatua*
Downy Brome	*B. tectorum*	Panicums	*Panicum*
Ripgut Brome	*B. rigidus*	Guineagrass	*P. maximum*
Soft Chess	*B. mollis*	Fall Panicum	*P. dichotomiflorum*
Large (Hairy) Crabgrass	*Digitaria sanguinalis*	Texas Panicum	*P. texanum*
Smooth Crabgrass	*Digitaria ischaemum*	Witchgrass	*P. capillare*
Southwestern Cupgrass	*Eriochloa gracilis*	Italian Ryegrass	*Lolium multiflorum*
Foxtails	*Setaria*	Sandbur	*Cenchrus spp.*
Bristly Foxtail	*S. verticillata*	Red Sprangletop	*Leptochloa filiformis*
Giant Foxtail	*S. faberi*	Stinkgrass	*Eragrostis cahanensis*
ANNUAL BROADLEAF WEEDS:			
Carpetweed	*Mollugo verticillata*	Little Mallow*	*Malva parviflora*
Common Chickweed	*Stellaria media*	Redroot Pigweed	*Amaranthus retroflexus*
Coast Fiddleneck	*Amsinckia intermedia*	Prostrate Knotweed	*Polygonum aviculare*
Filaree	*Erodium spp.*	Common Purslane	*Portulaca oleracea*
Groundsel	*Senecio spp.*	Horse Purslane	*Trianthema portulacastrum*
Prostrate Knotweed	*Polygonum aviculare*	Common Ragweed**	*Ambrosia artemisiifolia*
Lambsquarters	*Chenopodium album*	Annual Sowthistle	*Sonchus oleraceus*
Prickly Lettuce	*Lactuca serriola*		

*From Seed
**Suppression

RECOMMENDATIONS

NURSERY STOCK: FIELD GROWN: Consult list of plant species on which DEVRINOL 5-G ORNAMENTAL can be used.

Apply DEVRINOL 5-G ORNAMENTAL as a broadcast treatment over young nursery stock or as a directed application to larger stock either as a band or broadcast application.

Application can be made any time of the year to weed free soil; however, since DEVRINOL 5-G ORNAMENTAL requires 1 to 2 inches of rainfall or irrigation 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.

A thorough incorporation of DEVRINOL 5-G ORNAMENTAL into the soil to a depth of 1 to 2 inches will provide excellent weed control with less rainfall required.

One application of DEVRINOL 5-G ORNAMENTAL should provide adequate weed control for a growing season in temperate areas.

CONTAINER GROWN ORNAMENTALS: Consult list of plant species on which DEVRINOL 5-G ORNAMENTAL can be used.

Apply DEVRINOL 5-G ORNAMENTAL as a broadcast treatment 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.

HOME GROUNDS, HIGHWAY AND INDUSTRIAL ORNAMENTAL PLANTINGS: Use an overall (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 lower Summer rainfall areas.

GROUND COVERS: Apply DEVRINOL 5-G ORNAMENTAL as a broadcast treatment over the ground covers. Irrigate immediately with a minimum of 1 inch water or apply when rainfall is expected.

DICHONDRA: Apply DEVRINOL 5-G ORNAMENTAL at the time of seeding, or to established dichondra including dichondra sod. Irrigate with a minimum of 1 inch of water.

APPLICATION RATES

ANNUAL WEEDS: For annual grasses and broadleaf weeds apply 80 to 120 lbs of DEVRINOL 5-G ORNAMENTAL per broadcast acre (1.8 to 2.8 lbs per 1,000 sq. ft.).

Use the higher rate when weed populations are heavy or when broadleaves are the primary weeds.

USE DEVRINOL 5-G ORNAMENTAL ON THESE ORNAMENTALS AND NURSERY STOCK AND CONTAINER STOCK

FIELD GROWN DECIDUOUS AND EVERGREEN TREES					
Acer	Citrus	Eucalyptus	Japanese Larch	Picea	Populus
Ash	Crataegus	Ficus	Laburnum	Pin Oak	Prunus
Birch	Cypress	Fir	Malus	Pinus	Pears
Black Walnut	Dogwood	Gleditsia	Olive (Olea)	Pittosporum	Pistachios
Cedar	Douglas Fir	Hemlock	Palm (Washingtonia Robusta)	Podocarpus	
DECIDUOUS AND EVERGREEN SHRUBS					
Abelia	Buxus	Gardenia	Ilex	Osmanthus	Rosa
Asparagus (Sprengeri)	Camellia	Heather (Calluna)	Juniperus	Photinia	Star Jasmine
Aucuba	Cotoneaster	Hibiscus	Leucothe	Pittosporum	Taxus
Azalea	Crape Myrtle	Honeysuckle (Lonicera)	Ligustrum	Podocarpus	Viburnum
Bottlebrush	Dogwood	Hydrangea	Nandina	Pyracantha	Xylosma
Bougainvillea	Euonymus	Hypericum	Nerium (Oleander)	Rhaphiolepis	
	Forsythia			Rhododendron	
FRUIT AND NUTS					
Almond	Cherry	Lemon	Peach	Pistachio	Tangerine
Apple	Filbert	Nectarine	Pear	Plum	Walnut
Apricot	Grape	Orange	Pecan	Prune	

Strawberry (Applications should be delayed until the desired number of daughter plants have become established. Do not apply from bloom through harvest.)

GROUND COVERS				
Ajuga	Erysimum	Hypericum	Lantana	Pachysandra
Carpobrotus	Gazania	Iceplant	Lonicera	Sedum
Delosperma	Hedera	Ivy	Osteospermum	Vinca
Dichondra				

CONTAINER STOCK

Abelia	Camellia	Euonymus	Ilex	Palm
Agapanthus	Cedar	Fir	Juniperus	(Washi
Agonium	Cotoneaster	Forsythia	Leucothe	Photin
Asparagus	Crape Myrtle	Gardenia	Ligustrum	Pinus
Azalea	Cypress	Geranium	Liriope	Pittosp
Bottlebrush	Dogwood	Heather	Nandina	Podoc
Bougainvillea	Douglas Fir	Hedera	Pachysandra	Pyrac
Buxus	Eucalyptus	Hibiscus		Rapho
FLOWERS				
African Daisy	Bird of Paradise	Dahlia	Geranium	N
Aster	Chrysanthemum	Daisy	Gladiolus	Pe

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

DEVRINOL 5-G ORNAMENTAL is recommended for annual bluegrass, crabgrass, established turf grasses: Bahia, Bermudagrass, Centipede, St. Augustine and Fesc

TIMING OF APPLICATION

For control of crabgrass and goosegrass, apply DEVRINOL 5-G ORNAMENTAL should be made 2-3 weeks prior to weed emergence. DEVRINOL 5-G ORNAMENT drop spreader or a cyclone type spreader. A more uniform application can be mad over the area to be treated, then applying the remainder at right angles.

DEVRINOL 5-G ORNAMENTAL requires a minimum of one-half (½) inch of rainfa for adequate control. If irrigation methods are not available, the timing of appli should be moved back several weeks to allow for some rainfall between applicatio

RATES OF APPLICATION

FOR CRABGRASS CONTROL: Apply 40 to 60 lbs. of DEVRINOL 5-G ORNAMENTA 1,000 sq. ft.). Use the higher rate when applying before January 1 (not applicab infestation is expected to be heavy).

*Where a rate range is given, use the higher rate when weed infestation is expecte

FOR GOOSEGRASS CONTROL: Apply 40 to 60 lbs. of DEVRINOL 5-G per acre (0.9 usually starts to germinate 6 to 7 weeks after the start of crabgrass germination.

SPLIT APPLICATION FOR CRABGRASS AND GOOSEGRASS CONTROL: When bo apply 40 lbs. of DEVRINOL 5-G ORNAMENTAL spread uniformly per acre (0.9 another 40 lbs. of DEVRINOL 5-G ORNAMENTAL per acre for goosegrass. Apply adjusted to the germination of weeds in your area. Split applications give longer and

FOR ANNUAL BLUEGRASS (POA ANNUA) CONTROL: Annual bluegrass is a Winter regions; therefore, application of DEVRINOL 5-G ORNAMENTAL should be made germinates. Apply 40 to 60 lbs. of DEVRINOL 5-G ORNAMENTAL per acre (0.9-1.3

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

BETASAN 7-G/DEVRINOL 5-G ORNAMENTAL SEQUENTIAL APPLICATIONS

BETASAN-DEVRINOL sequential applications are recommended for crabgrass con bermudagrass, centipede, St. Augustine and fescue. Apply 72 lbs. of BETASAN 7-G 40 lbs. of DEVRINOL 5-G ORNAMENTAL per acre (0.9 lbs/1,800 sq. ft.). Applicatio normal germination date for crabgrass in your area. The BETASAN 7-G/DEVRINOL 5- minimum of one half (½) inch of rainfall or irrigation 2-3 days after application for a site, the application should be delayed several weeks to allow for some rainfall betwee

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

STORAGE AND DISPOSAL

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

STORAGE: Keep container closed when not in use. Store in a cool dry place. Do not

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be waste disposal facility.

CONTAINER DISPOSAL: Completely empty bag or cardboard container into a empty bag or cardboard container in a sanitary landfill or by incineration or if allo burning. If burned, stay out of smoke.

NOTICE TO BUYER AND USER: Seller warrants that this product conforms to the reasonably fit for the purposes stated on the label, subject to the inherent risks refe with directions under normal conditions of use. This warranty does not extend to instructions, or under abnormal conditions or under conditions not reasonably Seller and Buyer and User assume the risk of any such use. SELLER DISCLAIMS OR IMPLIED INCLUDING ANY WARRANTY OF FITNESS OR MERCHANTABILITY CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE U AND SELLER'S SOLE LIABILITY AND BUYER'S AND USER'S EXCLUSIVE REMEDY OF THE PURCHASE PRICE.

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Net Contents: 40 lb (18.1 kg)

Made in U.S.A.

ZENECA Ag Pr

ZENECA Inc.
Wilmington, Delaware 19

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