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ICI

# Devrinol®

## 50-WP

**Selective Herbicide**

**WETTABLE POWDER...for use on  
certain citrus, nuts, fruits, vegetables  
and tobacco**

Active Ingredient:  
N,N-Diethyl-2-(1-naphthalenyloxy)-propionamide . 50%  
Inert Ingredients ..... 50%

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Contains 50 lbs. of Active Ingredient per 100 lbs. 100%

**Keep Out of Reach of Children**

**CAUTION**

**Harmful If Swallowed**

**Statement of Practical Treatment**

**First Aid**

Immediately start the procedures given below. If further treatment is required, contact a Poison Center, a physician, or the nearest hospital.

**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. If victim is unconscious or convulsing, do not induce vomiting or give anything by mouth.

**For skin contact:** Flush all affected areas with plenty of water for several minutes. For eye contact, hold eyelids apart and flush with plenty of water for 15 minutes. Remove and clean contaminated clothing and shoes before re-use. Seek medical attention if irritation persists.

**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 ICI AMERICAS MEDICAL EMERGENCY & PHARMACY INFORMATION CENTER (800) 327-8677 OR CHEMTREC (800) 424-9300.

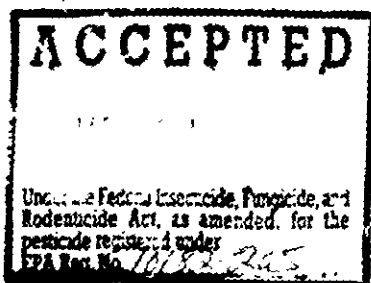
For other product information, contact your local ICI Americas Distributor or see Material Safety Data Sheet.

**SEE BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS**

**LABEL BOOKLET AT BOTTOM OF BAG**

See attached booklet for Use Precautions, Directions For Use and Recommendations

ICI  
**Devrinol**  
50-WP



EPA Reg. No. 10182-205  
EPA Est. 477-TX-1

**4 LB. NET WT. 1.81 kg**    A-18MR

 **Devrinol<sup>®</sup> 50-WP**

 **Devrinol<sup>®</sup> 50-WP**

Precautionary Statements  
Hazards to Humans and Domestic Animals  
**CAUTION**  
MAY BE HARMFUL IF SWALLOWED

Do not breathe spray mist. Avoid contact with skin, eyes and clothing. Wash thoroughly with soap and water after use.

**ENVIRONMENTAL HAZARDS**

- Do not apply directly to water or wetlands.
- Do not contaminate water when disposing of equipment washwaters. Apply this product as specified on this label.
- Do not contaminate water used for domestic purposes.
- Avoid Contamination of Food and Feed.

**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 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.

**CONTAINER DISPOSAL:** Do not reuse. Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

**NOTICE TO BUYER AND USER**

Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes on the label when used in accordance with directions under normal conditions of use. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal use conditions, or under conditions not reasonably foreseeable to Seller, and Buyer and User assume the risk of any such use. SELLER DISCLAIMS ALL OTHER WARRANTIES EXPRESSED OR IMPLIED INCLUDING ANY WARRANTY OF FITNESS OR MERCHANTABILITY. SELLER SHALL NOT BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT AND SELLER'S SOLE LIABILITY AND BUYER'S AND USER'S EXCLUSIVE REMEDY SHALL BE LIMITED TO THE REFUND OF THE PURCHASE PRICE.

This product is sold only for uses stated on its label. No express or implied license is granted to use or sell this product under any patent in any country except as specified. Country: United States Patent No. 3,480,671, 3,718,455.



**Agricultural Products**

ICI Americas Inc.  
Wilmington, Delaware 19897

**LABEL BOOKLET AT BOTTOM OF BAG**

See attached booklet for Use Precautions, Direction For Use and Recommendations.  
Read all label directions before using.



## Agricultural Products

ICI Americas Inc.  
Wilmington, Delaware 19897

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A-16MR



For use on certain Citrus, Nuts, Pome fruits, Small fruits, Stone fruits, Vegetables and Tobacco

Complete Directions For Use, Use Precautions and Recommendations

Selective Herbicide—Wettable Powder

# Devrinol<sup>®</sup>

50-WP

### NOTICE TO BUYER AND USER:

Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use. This warranty does not extend to the use of this product contrary to label instructions or under abnormal use conditions or under conditions not reasonably foreseeable to Seller and Buyer and User assumes the risk of any such use. SELLER DISCLAIMS ALL OTHER WARRANTIES EXPRESSED OR IMPLIED INCLUDING ANY WARRANTY OF FITNESS OR MERCHANTABILITY. SELLER SHALL NOT BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT AND SELLER'S SOLE LIABILITY AND BUYER'S AND USER'S EXCLUSIVE REMEDY SHALL BE LIMITED TO THE REFUND OF THE PURCHASE PRICE.

This product is sold only for uses stated on its label. No express or implied license is granted to use or sell this product under any patent in any country except as specified. Country: United States of America. Patent No. 3 480 671 3 718 455

EPA Reg. No. 10182-205

### ACTIVE INGREDIENT

*N,N*-Diethyl-2-(1-naphthalenyl)-propanamide

### INERT INGREDIENTS

50%  
50%  
100%

Contains 50 lbs. of active ingredient per 100 lbs.

Keep Out of Reach of Children  
**CAUTION**

### STATEMENT OF PRACTICAL TREATMENT

#### FIRST AID

Immediately start the procedures given below. If further treatment is required, contact a Poison Center, a physician or the nearest hospital.

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. If victim is unconscious or convulsing, do not induce vomiting or give anything by mouth.

For skin contact: Flush all affected areas with plenty of water for several minutes. For eye contact, hold eyelids apart and flush with plenty of water for 15 minutes. Remove and clean contaminated clothing and shoes before reuse. Seek medical attention if stinging or eye irritation persists.

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 ICI AMERICAS MEDICAL EMERGENCY INFORMATION CENTER (800) 327-8833 OR CHEMTREC (800) 424-8300.

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

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GOAL is a registered trademark of Rohm and Haas Company.  
KARBEK is a registered trademark of E. I. DuPont de Nemours & Company.  
ROUNDUP is a registered trademark of Monsanto Company.  
SINBAR is a registered trademark of E. I. DuPont de Nemours & Company.

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

#### CAUTION

#### MAY BE HARMFUL IF SWALLOWED

Do not breathe spray mist. Avoid contact with skin, eyes and clothing. Wash thoroughly with soap and water after use.

#### ENVIRONMENTAL HAZARDS

- Do not apply directly to water or wetlands.
- Do not contaminate water when disposing of equipment washwaters. Apply this product as specified on the label.
- 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.
- Except where specifically noted, DEVIRINOL 50-WP is not recommended for use on soil containing more than 10% organic matter.
- Spraying on ground heavily covered with leaves or trash may adversely affect weed control.
- Do not apply to frozen ground.
- To avoid injury to succeeding crops not listed on this label, a deep dry plow or moldboard plow operation (minimum 10 inches) must be carried out prior to planting. To avoid injury to crops not specified on the label, do not plant until 12 months after the last application of DEVIRINOL 50-WP.
- When used at rates no greater than those DEVIRINOL 50-WP per acre, rotational crops which are not registered on this label may be planted no sooner than 12 months after application when harvest and use of machinery is only for food or feed purposes. Crops are not to be grazed or harvested for food or feed purposes earlier than maturity.

**BEST AVAILABLE COPY**

## GENERAL DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

DEVIRINOL 50-WP is a selective surface applied or incorporated herbicide for use in certain types of newly planted or established crops. DEVIRINOL 50-WP does not control established weeds. All weed growth and crop stubble in the fields must be thoroughly worked into the soil prior to planting. Spray equipment should be carefully calibrated before use and checked frequently during application to be sure nozzles are operating properly and are delivering a uniform spray pattern. Apply the recommended rate of DEVIRINOL 50-WP in 20 to 100 gallons of water per acre in a low pressure boom type sprayer.

Be sure the spray tank, boom and nozzle have been thoroughly flushed with clean water before use. Sufficient jet or mechanical agitation should be provided during the filling operation and during application.

When mixing DEVIRINOL 50-WP alone or in combination with other recommended wettable powders, make a slurry and add to a nearby filled spray tank with adequate agitation. This will enhance initial mixing. Recommended contact herbicides and weeders should always be added to a nearby filled spray tank or add them to the slurry.

### APPLICATIONS THROUGH IRRIGATION SYSTEMS

DEVIRINOL 50-WP may be applied at the recommended rates through irrigation water for pre-emergence control of listed weeds in grapes and tree crops (Western Region Only). Do not allow treatment to contact foliage or crop. Remove existing weed growth before application. Meter the DEVIRINOL 50-WP into the irrigation water during the entire period. Apply with sufficient water to wet the soil to a depth of 2-4 inches. Good agitation should be maintained during the entire application period. Avoid run-off.

### USE PRECAUTIONS.

A. Apply this product only through sprinkler including center pivot, lateral move, and low side (wheel) roll traveler, solid set, or hand move, flood (basin), furrow, border irrigation systems. Do not apply this product through any other type of irrigation system.

B. Crop injury, lack of effectiveness or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.

C. If you have questions about calibration, you should contact State Extension, Service specialists, equipment manufacturers or other experts.

D. Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.

E. A person knowledgeable of the chemigation system and responsible for its operation or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

### FOR SPRINKLER IRRIGATION

1. The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

2. The pesticide injection pipeline must contain a functional automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

3. The pesticide injection pipeline must also contain a functional normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

5. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

6. Systems must use a metering pump, such as a positive displacement injection pump (e.g. diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

7. Do not apply when wind speed favors drift beyond the area intended for treatment.

### FOR FLOOD (BASIN), FURROW AND BORDER IRRIGATION

1. Systems using a gravity flow pesticide dispensing system must meter the pesticide into the water at the head of the field and downstream of a hydraulic discontinuity such as a drop structure of weir box to decrease potential for water source contamination from backflow if water flow stops.

2. Systems utilizing a pressurized water and pesticide injection system must meet the following requirements:

a. The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

b. The pesticide injection pipeline must contain a functional automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

c. The pesticide injection pipeline must also contain a functional normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

d. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

e. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

f. Systems must use a metering pump, such as a positive displacement injection pump (e.g. diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

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

## WEEDS CONTROLLED BY 4 TO 8 LBS. DEVIRINOL 50-WP PER ACRE (CALIFORNIA ONLY)

### SURFACE APPLICATION

NOTE: DEVIRINOL 50-WP does not control established weeds.

Barnyardgrass	Junglerice	( <i>Echinochloa</i> spp.)
Annual Bluegrass		( <i>Poa annua</i> )
Large (Heavy) Crabgrass		( <i>Digitaria sanguinalis</i> )
Red Sprangletop		( <i>Leptochloa hirtellus</i> )

### DIRECTIONS FOR USE

For control of all weeds listed, apply 4 to 8 pounds DEVIRINOL 50-WP per broadcast acre to the soil surface. Apply in the fall through early spring prior to emergence. Do not apply DEVIRINOL 50-WP to frozen ground. 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 following application (sprinkler or flood) with sufficient water to wet the soil to a depth of 2-4 inches.

### RECOMMENDATIONS

DEVIRINOL 50-WP is recommended for use on the following crops: Almonds, Apples, Apricots, Cherries, Figs, Filberts, Grapefruit, Grapes, Kiwifruit, Lemons, Nectarines, Olives, Oranges, Peaches, Pears, Pecans, Persimmons, Pistachios, Plums, Pomegranates, Prunes, Tangerines and Walnuts.

## WEEDS CONTROLLED BY 8 LBS. DEVIRINOL 50-WP PER ACRE

### SURFACE APPLICATION

NOTE: DEVIRINOL 50-WP does not control established weeds.

#### ANNUAL GRASSES

Barnyardgrass	Junglerice	( <i>Echinochloa</i> spp.)
Foxtail Barley		( <i>Hordeum jubatum</i> )
Wild Barley		( <i>Hordeum jubatum</i> )
Annual Bluegrass		( <i>Poa annua</i> )
Bromus		( <i>Bromus</i> )
Cheatgrass		( <i>B. setarius</i> )
Downy Brome		( <i>B. tectorum</i> )
Rigby Brome		( <i>B. rigidus</i> )
Soft Chess		( <i>B. mollis</i> )
Canarygrass		( <i>Phalaris canariensis</i> )
Large (Heavy) Crabgrass		( <i>Digitaria sanguinalis</i> )
Smooth Crabgrass		( <i>Digitaria ischaemum</i> )
Southern Crabgrass		( <i>Echinochloa gracilis</i> )
Foxtails		( <i>Setaria</i> )
Bristly Foxtail		( <i>S. verticillata</i> )
Green Foxtail		( <i>S. fabae</i> )
Yellow Foxtail		( <i>S. viridis</i> )
Goosegrass		( <i>S. lutescens</i> )
Seeding Johnsongrass		( <i>Equisetum indicum</i> )
Wild Oats		( <i>Sorghum halepense</i> )
Panicums		( <i>Avena fatua</i> )
Panicum		( <i>Panicum</i> )
Gumgrass		( <i>P. dactyloides</i> )
Fall Panicum		( <i>P. dichotomiflorum</i> )
Texas Panicum		( <i>P. texanum</i> )
Wickgrass		( <i>P. capillare</i> )
Italian Ryegrass		( <i>Lolium multiflorum</i> )
Sandbar		( <i>Cenchrus</i> spp.)
Mexican Sprangletop		( <i>Leptochloa unnerwisii</i> )
Red Sprangletop		( <i>Leptochloa hirtellus</i> )
Stinkgrass		( <i>Eragrostis ciliaris</i> )

#### ANNUAL BROADLEAF WEEDS

Carpetweed	( <i>Mollugo verticillata</i> )
Common Chickweed	( <i>Stellaria media</i> )
Coast Fiddleneck	( <i>Amsinckia intermedia</i> )
Cudweed	( <i>Gnaphalium purpuratum</i> )
Redstem Filaree	( <i>Erodium cicutarium</i> )
Common Groundsel	( <i>Senecio vulgaris</i> )
Prostrate Knotweed	( <i>Polygonum aviculare</i> )
Lambquarters	( <i>Chenopodium album</i> )
Prickly Lettuce	( <i>Lactuca scariola</i> )
Little Milkweed	( <i>Melilotus parviflorus</i> )
Redroot Pigweed	( <i>Amaranthus retrofractus</i> )
Pineappleweed	( <i>Malthesia malthoides</i> )
Common Purslane	( <i>Portulaca oleraceae</i> )
Horse Purslane	( <i>Trientema portulacastrum</i> )
Common Ragweed	( <i>Ambrosia artemisiifolia</i> )
Annual Sowthistle	( <i>Sonchus oleraceus</i> )

From seed  
Suppression

### DIRECTIONS FOR USE

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

For control of all weeds listed, apply 8 pounds DEVIRINOL 50-WP per broadcast acre to the soil surface. Apply in the fall through early spring prior to weed emergence. Do not apply DEVIRINOL 50-WP to frozen ground. 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 following application (sprinkler or flood) with sufficient water to wet the soil to a depth of 2-4 inches.

**ALLOWABLE TIME FOR TREATMENT TO REMAIN ON SOIL SURFACE (BY REGION)**

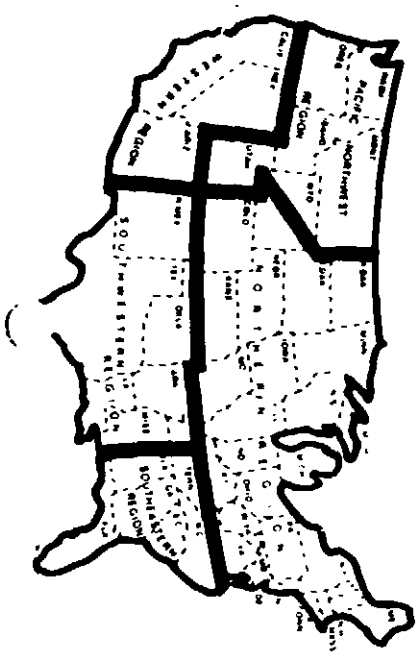
**WEST:** 14 to 20 weeks (November through February) or 24 hours (remainder of year)

**PACIFIC NORTHWEST:** Three weeks (Fall through Early Spring) or 24 hours (remainder of year)

**OTHER REGIONS:** 24 hours

Use as a directed spray and do not 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.

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REGIONAL USE MAP

### FRUIT AND NUT CROPS SURFACE APPLICATION

#### RECOMMENDATIONS

- DEVRINOL 50-WP** is recommended for use on the following crops. Refer to regional map under "DIRECTIONS FOR USE"
- Almonds:** (All Regions)  
Rate: 8 pounds DEVRINOL 50-WP per broadcast acre. In the Western region an additional 8 pounds may be applied during the growing season. Do not apply within 35 days of harvest. Use Recommendations: Apply to a weed free soil surface. May be applied to newly planted and established crop.
- Apples:** (All Regions)  
Rate: 8 pounds DEVRINOL 50-WP per broadcast acre. In the Western Region an additional 8 pounds may be applied during the growing season. Do not apply within 35 days of harvest. Use Recommendations: Apply to a weed free soil surface. May be applied to newly planted and established crop.
- Apricots:** (All Regions)  
Rate: 8 pounds DEVRINOL 50-WP per broadcast acre. In the Western Region an additional 8 pounds may be applied during the growing season. Do not apply within 35 days of harvest. Use Recommendations: Apply to a weed free soil surface. May be applied to newly planted and established crop.
- Avocados:** (Western Region Only)  
Rate: 8 pounds DEVRINOL 50-WP per broadcast acre. An additional 8 pounds may be applied during the growing season. Do not apply within 35 days of harvest. Use Recommendations: Apply to a weed free soil surface. May be applied to established crop only.
- Blueberries:** (All Regions)  
Rate: 8 pounds DEVRINOL 50-WP per broadcast acre. Use Recommendations: Apply to a weed free soil surface. May be applied to newly planted and established crop.
- Cranberries (blueberries, raspberries, boysenberries and loganberries):** (All Regions)  
Rate: 8 pounds DEVRINOL 50-WP per broadcast acre. Use Recommendations: Apply to a weed free soil surface. May be applied to newly planted and established crop.

- Cherries:** (All Regions)  
Rate: 8 pounds DEVRINOL 50-WP per broadcast acre. In the Western Region an additional 8 pounds may be applied during the growing season. Do not apply within 35 days of harvest. Use Recommendations: Apply to a weed free soil surface. May be applied to newly planted and established crop.
- Figs:** (All Regions)  
Rate: 8 pounds DEVRINOL 50-WP per broadcast acre. In the Western Region an additional 8 pounds may be applied during the growing season. Do not apply within 35 days of harvest. Use Recommendations: Apply to a weed free soil surface. May be applied to newly planted and established crop.
- Fruitnuts:** (All Regions)  
Rate: 8 pounds DEVRINOL 50-WP per broadcast acre. In the Western Region an additional 8 pounds may be applied during the growing season. Do not apply within 35 days of harvest. Use Recommendations: Apply to a weed free soil surface. May be applied to newly planted and established crop.
- Grapefruit:** (All Regions)  
Rate: 8 pounds DEVRINOL 50-WP per broadcast acre. In the Western Region an additional 8 pounds may be applied during the growing season. Do not apply within 35 days of harvest. Use Recommendations: Apply to a weed free soil surface. May be applied to newly planted and established crop.
- Grapes:** (All Regions)  
Rate: 8 pounds DEVRINOL 50-WP per broadcast acre. In the Western Region an additional 8 pounds may be applied during the growing season. Do not apply within 35 days of harvest. Use Recommendations: Apply to a weed free soil surface. May be applied to newly planted and established crop.
- Kiwifruit:** (Western Region Only)  
Rate: 8 pounds DEVRINOL 50-WP per broadcast acre. An additional 8 pounds may be applied during the growing season. Do not apply within 35 days of harvest. Use Recommendations: Apply to a weed free soil surface. May be applied to newly planted and established crop.
- Lemons:** (All Regions)  
Rate: 8 pounds DEVRINOL 50-WP per broadcast acre. In the Western Region an additional 8 pounds may be applied during the growing season. Do not apply within 35 days of harvest. Use Recommendations: Apply to a weed free soil surface. May be applied to newly planted and established crop.

- Nectarines:** (All Regions)  
Rate: 8 pounds DEVRINOL 50-WP per broadcast acre. In the Western Region an additional 8 pounds may be applied during the growing season. Do not apply within 35 days of harvest. Use Recommendations: Apply to a weed free soil surface. May be applied to newly planted and established crop.
- Olive:** (Western Region Only)  
Rate: 8 pounds DEVRINOL 50-WP per broadcast acre. An additional 8 pounds may be applied during the growing season. Do not apply within 35 days of harvest. Use Recommendations: Apply to a weed free soil surface. May be applied to newly planted and established crop.
- Oranges:** (All Regions)  
Rate: 8 pounds DEVRINOL 50-WP per broadcast acre. In the Western Region an additional 8 pounds may be applied during the growing season. Do not apply within 35 days of harvest. Use Recommendations: Apply to a weed free soil surface. May be applied to newly planted and established crop.
- Peaches:** (All Regions)  
Rate: 8 pounds DEVRINOL 50-WP per broadcast acre. In the Western Region an additional 8 pounds may be applied during the growing season. Do not apply within 35 days of harvest. Use Recommendations: Apply to a weed free soil surface. May be applied to newly planted and established crop.
- Pears:** (All Regions)  
Rate: 8 pounds DEVRINOL 50-WP per broadcast acre. In the Western Region an additional 8 pounds may be applied during the growing season. Do not apply within 35 days of harvest. Use Recommendations: Apply to a weed free soil surface. May be applied to newly planted and established crop.
- Pecans:** (All Regions)  
Rate: 8 pounds DEVRINOL 50-WP per broadcast acre. In the Western Region an additional 8 pounds may be applied during the growing season. Do not apply within 35 days of harvest. Use Recommendations: Apply to a weed free soil surface. May be applied to newly planted and established crop.
- Perseimons:** (Western Region Only)  
Rate: 8 pounds DEVRINOL 50-WP per broadcast acre. An additional 8 pounds may be applied during the growing season. Do not apply within 35 days of harvest. Use Recommendations: Apply to a weed free soil surface. May be applied to established crop only.

- Proteasias:** (All Regions)  
Rate: 8 pounds DEVRINOL 50-WP per broadcast acre. Use Recommendations: Apply to a weed free soil surface. May be applied to newly planted and established crop.
- Plums:** (All Regions)  
Rate: 8 pounds DEVRINOL 50-WP per broadcast acre. In the Western Region an additional 8 pounds may be applied during the growing season. Do not apply within 35 days of harvest. Use Recommendations: Apply to a weed free soil surface. May be applied to newly planted and established crop.
- Pomegranates:** (Western Region Only)  
Rate: 8 pounds DEVRINOL 50-WP per broadcast acre. Do not apply within 6 months of harvest. Use Recommendations: Apply to a weed free soil surface. May be applied to established crop only.
- Pumpkins:** (All Regions)  
Rate: 8 pounds DEVRINOL 50-WP per broadcast acre. In the Western Region an additional 8 pounds may be applied during the growing season. Do not apply within 35 days of harvest. Use Recommendations: Apply to a weed free soil surface. May be applied to newly planted and established crop.
- Rhubarb:** (Pacific Northwest Only)  
Rate: 8 pounds DEVRINOL 50-WP per broadcast acre. Use Recommendations: Apply to a weed free soil surface in winter when rhubarb is dormant.
- Strawberries:** (All Regions)  
Rate: 8 pounds DEVRINOL 50-WP per broadcast acre. Use Recommendations: Apply to a weed free soil surface. May be applied to newly transplanted and established crop. Delay application until desired number of daughter plants have been established. Do not apply from bloom through harvest.
- Tangerines:** (All Regions)  
Rate: 8 pounds DEVRINOL 50-WP per broadcast acre. In the Western Region an additional 8 pounds may be applied during the growing season. Do not apply within 35 days of harvest. Use Recommendations: Apply to a weed free soil surface. May be applied to newly planted and established crop.
- Walnuts:** (All Regions)  
Rate: 8 pounds DEVRINOL 50-WP per broadcast acre. In the Western Region an additional 8 pounds may be applied during the growing season. Do not apply within 35 days of harvest. Use Recommendations: Apply to a weed free soil surface. May be applied to newly planted and established crop.

### OTHER CROPS SURFACE APPLICATION

#### RECOMMENDATIONS

- Artichokes:** (Western Region Only)  
Rate: 8 pounds DEVRINOL 50-WP per broadcast acre. Use Recommendations: Apply to a weed free soil surface. May be applied to established crop only.
  - Asparagus:** (All Regions)  
Rate: 8 pounds DEVRINOL 50-WP per broadcast acre. Use Recommendations: Apply to a weed free soil surface. May be applied to established crop only.
  - Bean:** (Pacific Northwest Only)  
Rate: 8 pounds DEVRINOL 50-WP per broadcast acre. Use Recommendations: Apply to a weed free soil surface. May be applied to newly planted and established crop.
- Where recommended for use on established crops, apply DEVRINOL 50-WP only to stands that have been established for at least one growing season. It is recommended for use on newly planted crops; application may be made immediately after planting; young tree winds and bushes.

### WEEDS CONTROLLED BY 2 TO 4 LBS. DEVRINOL 50-WP PRE-PLANT INCORPORATED APPLICATION

NOTE: DEVRINOL 50-WP does not control established weeds.

ANNUAL GRASSES	(Echinochloa spp.)
Barnyardgrass	(Digitaria spp.)
Craygrass	(Sotaria)
Foxtails	• Green Foxtail
	• Yellow Foxtail
	• Green Foxtail
	• Yellow Foxtail
Greensand	(Eragrostis indica)
Seedling Johnsongrass	(Eragrostis horrida)
Panicum	(Panicum)
Fall Panicum	(P. dichotomum)
Wheatgrass	(P. capillare)
Sorghum	(Eragrostis canadensis)

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## ANNUAL BROADLEAF WEEDS

Carpenterweed	( <i>Mollugo verticillata</i> )
Purple Cudweed	( <i>Gnaphalium purpureum</i> )
Galinsoga*	( <i>Galinsoga</i> spp.)
Lambsquarters	( <i>Chenopodium album</i> )
Redroot Pigweed	( <i>Amaranthus retrofractus</i> )
Smooth Pigweed	( <i>Amaranthus hybridus</i> )
Common Purslane	( <i>Portulaca oleraceae</i> )
Florida Pusley	( <i>Richteria scabra</i> )
Common Ragweed**	( <i>Ambrosia artemisiifolia</i> )

\* Controlled at 4 lb. DEVRINOL 50 WP  
\*\* Suppression

## DIRECTIONS FOR USE OF DEVRINOL 50-WP PRE-PLANT INCORPORATED

On flat planted or bedded crops apply before planting to well worked soil that is dry enough to permit thorough incorporation to a depth of 1 to 2 inches. Incorporate the same day as applied, using equipment which will result in uniform incorporation of the herbicide to the desired depth.

Whenever a rate range is recommended for DEVRINOL 50 WP use the lower rate on light soil (coarse textured sandy) and the higher rate on heavy soil (fine textured clay).

After harvest or prior to planting of succeeding crops, a deep moldboard or disc plowing operation must be carried out.

When applied at rates no greater than 4 lb. DEVRINOL 50-WP per acre, rotational crops which are not registered on this label may be planted no sooner than 12 months after application when harvest and use of the mature crop(s) only is for food or feed purposes. Crops are not to be grazed or harvested for food or feed purposes earlier than maturity.

## MELONS, TOBACCO AND VEGETABLES PRE-PLANT INCORPORATED APPLICATION

### RECOMMENDATIONS

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

**Cole Crops**—Broccoli, Brussels Sprouts, Cauliflower (California Only)

**Rate:** 2 pounds DEVRINOL 50 WP per broadcast acre  
**Use Recommendations:** For suppression of Annual Bluegrass, Barnyardgrass, Common Groundsel, Common Purslane and Redroot Pigweed. Apply to a weed free soil surface. May be applied to direct seeded and transplanted crop, pre-plant incorporated or as a surface spray after planting. Shallow incorporate to a depth of 1-2 inches or sprinkle irrigate within 24 hours using sufficient water to wet the soil to a depth of 2-4 inches. Use the lower rate on light soil (coarse textured sandy) and the higher rate on heavy soil (fine textured clay).

**Cole Crops**—Broccoli, Brussels Sprouts, Cabbage, Cauliflower (Northern Region Only)

**Rate:** 2 pounds DEVRINOL 50 WP per broadcast acre  
**Use Recommendations:** Apply to a weed free surface. May be applied to direct seeded and transplanted crop, pre-plant incorporated or as a surface spray after planting. Shallow incorporate no deeper than seeding depth or sprinkle irrigate within 24 hours using sufficient water to wet the soil to a depth of 2-4 inches.

**Cole Crops**—Broccoli, Brussels Sprouts, Cauliflower (Pacific Northwest Only)

**Rate:** 2-4 pounds DEVRINOL 50 WP per broadcast acre  
**Use Recommendations:** Apply to a weed free surface. May be applied to direct seeded and transplanted crop, pre-plant incorporated or as a surface spray after planting. Shallow incorporate no deeper than seeding depth or sprinkle irrigate within 24 hours using sufficient water to wet the soil to a depth of 2-4 inches. Use the lower rate on light soil (coarse textured sandy) and the higher rate on heavy soil (fine textured clay).

**Cole Crops**—Broccoli, Brussels Sprouts, Cabbage, Cauliflower (Southeast Region Only)

**Rate:** 4 pounds DEVRINOL 50-WP per broadcast acre  
**Use Recommendations:** Apply to a weed free surface. May be applied to direct seeded (except in Florida) and transplanted crop, as a surface spray after planting. Sprinkle irrigate within 24 hours using sufficient water to wet the soil to a depth of 2-4 inches.

**Cole Crops**—Broccoli, Brussels Sprouts, Cabbage, Cauliflower (Southeast Region)

**Rate:** 2-4 pounds DEVRINOL 50 WP per broadcast acre  
**Use Recommendations:** Apply to a weed free soil surface. May be applied to direct seeded (except in Florida) and transplanted crop, pre-plant incorporated or as a surface spray after planting. Incorporate the surface spray to a shallow depth of one inch, avoiding the seed placement when mixing the soil. Use the lower rate on light soil (coarse textured sandy) and the higher rate on heavy soil (fine textured clay).

**Eggplants** (All Regions)

**Rate:** Before transplanting, apply 2-4 pounds DEVRINOL 50 WP per broadcast acre.

**Use Recommendations:** Apply to a weed free soil surface. May be applied to transplanted crop only. Use the lower rate on light soil (coarse textured sandy) and the higher rate on heavy soil (fine textured clay).

**Melons** (except cantaloupes) (Texas, South of Highway 1-10 Only)

**Rate:** 2-4 pounds DEVRINOL 50 WP per broadcast acre  
**Use Recommendations:** Apply to a weed free soil surface. May be applied to direct seeded crop as a preemergence surface treatment only. Incorporate the surface spray to a shallow depth of one inch, avoiding the seed placement when mixing the soil. Use the lower rate on light soil (coarse textured sandy) and the higher rate on heavy soil (fine textured clay).

**Peppers** (All Regions)

**Rate:** 2-4 pounds DEVRINOL 50 WP per broadcast acre  
**Use Recommendations:** Apply to a weed free soil surface. May be applied to direct seeded and transplanted crop. Use the lower rate on light soil (coarse textured sandy) and the higher rate on heavy soil (fine textured clay).

**Tomatoes** (All Regions)

**Rate:** 2-4 pounds DEVRINOL 50 WP per broadcast acre  
**Use Recommendations:** Apply to a weed free soil surface.

May be applied to direct seeded and transplanted crop. Use the lower rate on light soil (coarse textured sandy) and the higher rate on heavy soil (fine textured clay).

**Tobacco** (All Regions - Except North and South Carolina)

**Rate:** Before transplanting, apply 2-4 pounds DEVRINOL 50 WP per broadcast acre.  
**Use Recommendations:** Apply to a weed free soil surface. Use the lower rate on light soil (coarse textured sandy) and the higher rate on heavy soil (fine textured clay). In Southeast only (except North and South Carolina), Apply up to 3 weeks before transplanting. No waiting period is necessary.

## POSTTRANSPLANT SURFACE AND LAYBY SURFACE APPLICATIONS FOR USE IN TRANSPLANTED TOBACCO (Kentucky, Maryland, Virginia and Southeastern Region Only)

### Weeds Controlled

See list of weeds controlled under DEVRINOL 50 WP preplant incorporated application.

### Directions for Use

**All Transplanting:** Apply the recommended amount of DEVRINOL 50 WP to the soil surface immediately after transplanting. May be applied over the top of transplants.

**All Layby:** Apply the recommended amount of DEVRINOL 50 WP in a band immediately after the layby cultivation. Apply as a directed spray to the row middles.

Use 20 to 50 gallons of spray per acre. For best results the treatment must reach the zone of weed seed germination. If rainfall does not occur within 5 days after application, the treatment must be shallowly incorporated or irrigated in with sufficient overhead irrigation to wet the soil to a depth of 2 to 4 inches.

## RECOMMENDATIONS

**Rate:** Apply 2 to 4 pounds DEVRINOL 50 WP per broadcast acre.

**Use Recommendations:** Apply to a weed free soil surface. Reduce rates proportionately for band application. Treatments may follow a preplant incorporated application of DEVRINOL 50-WP or DEVRINOL 50 WP 14 LAM 6-E. Do not apply more than 4 pounds DEVRINOL 50 WP in any one season.

### Rotational Crop Restrictions

When DEVRINOL 50-WP is used on tobacco posttransplant or layby at 2 to 4 pounds surface applied, small grains may be less than rotation in the fall to prevent soil erosion. These grains may be stunted but not otherwise adversely affected.

No tolerance is established for residues of DEVRINOL 50 WP in small grains. Rotational cover crops must be destroyed by plowing under or otherwise prevented from reaching food or feed production.

If rotating out of tobacco the following Spring, to avoid injury to crops not specified on this label do not plant until 12 months after the last DEVRINOL 50 WP application.

When applied at rates no greater than 4 lb. DEVRINOL 50-WP per acre, rotational crops which are not registered on this label may be planted no sooner than 12 months after application when harvest and use of the mature crop(s) only is for food or feed purposes. Crops are not to be grazed or harvested for food or feed purposes earlier than maturity.

## TANK MIXTURES FRUIT AND NUT CROPS

### IMPORTANT

Observe all cautions and limitations on labeling of all products used in combination.

Make only one application per season.

Do not contaminate water by cleaning of equipment or disposal of wastes. Apply these combinations only as specified on this label. For a tank mix application, apply the recommended dosage (see directions for use) in 20 to 100 gallons of water per acre.

In any tank mix including GRAMOXONE SUPER, add an approved non-ionic spreader to the tank water, such as ORTHO 177 spreader, at the rate of 8 oz. per 100 gallons.

Registered trademark of ICI Americas, Inc.  
Registered trademark of Chevron Chemical Company.

## DEVRINOL 50-WP/GRAMOXONE SUPER COMBINATION

DEVRINOL 50 WP will not control emerged weeds. GRAMOXONE SUPER may be used to control existing weeds when applied prior to or in combination with DEVRINOL 50 WP.

Refer to the section on DEVRINOL 50 WP surface application for a list of weeds controlled.

## DIRECTIONS FOR USE

Follow use directions for DEVRINOL 50 WP surface application. Read the GRAMOXONE SUPER label for timing with respect to stage of weed growth and for application methods recommended to minimize crop injury.

For control of all weeds listed, apply 8 pounds DEVRINOL 50 WP and 1 to 2 1/2 quarts GRAMOXONE SUPER per broadcast acre.

## RECOMMENDATIONS

Consult the GRAMOXONE SUPER label for recommended uses in orchards and vineyards. Then read the crop recommendations for DEVRINOL 50 WP surface application to insure that the combination may be used for a particular crop in your state. Recommended only for the uses specified on the GRAMOXONE SUPER and DEVRINOL 50 WP labels. Do not apply this combination to caneberries.

## DEVRINOL 50-WP/GOAL 1.6-E COMBINATION (California Only)

DEVRINOL 50 WP may be used in combination with GOAL 1.6-E for control of additional weeds not controlled by DEVRINOL 50 WP alone.

Additional weeds controlled preemergence by DEVRINOL 50 WP GOAL 1.6-E tank mix applied preemergence to a relatively weed free established berry or citrus acre at recommended rates.

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Burclover Flaree (Broadleaf)	( <i>Medicago lupida</i> ) ( <i>Erodium cicutarium</i> ) ( <i>Erodium botrys</i> )
Herb London Rocket Redmaids Shepherdspurse	( <i>Lamium amplexicaule</i> ) ( <i>Sisymbrium irio</i> ) ( <i>Calandrina caulescens</i> ) ( <i>Capsella bursa-pastoris</i> )

\*Registered trademark of Rohm and Haas Company

## DIRECTIONS FOR USE—DORMANT APPLICATION, (California Only)

For control of all weeds listed, apply 8 pounds of DEVRINOL 50 WP and 5.0 quarts GOAL 1.6-E (2.0 lb active) per broadcast acre. Spray should be directed to the soil and the base of dormant trees or vines. Use of a low pressure sprayer equipped with a break away boom and flat fan or off-center (OC) nozzle is recommended. For best results the treatment must reach the zone of weed germination. Irrigation sufficient to wet the soil to a minimum depth of 2 to 4 inches is recommended for treatments made from November through February 15 if no rainfall occurs within three weeks of application.

NOTE: Applications made in October must be irrigated in (sprinkler or flood) the same day as applied with sufficient water to wet soil to a minimum depth of 2 to 4 inches.

Cultural practices which result in redistribution or disturbance of the soil surface after treatment will decrease the herbicidal effectiveness of GOAL 1.6-E. For best results from the DEVRINOL 50 WP GOAL 1.6-E tank mix combination, application should be made to established berms or soil surfaces which are left undisturbed during the time period for which weed control is desired. Read the GOAL 1.6-E label for specific use directions and precautions.

## RECOMMENDATIONS

For use on almond, apricot, cherry, fig, grape, nectarine, peach, pear, pistachio, plum, prune and walnut in California only.

NOTE: To avoid possible crop injury follow these precautions:

- Apply only to dormant fruit or nut trees or grape vines. Do not apply when foliage, buds or fruit nuts are present.
- Grapes: Do not apply to grapes established less than 3 years. Do not apply to grapes which are not staked or trellised.

## DEVIRINOL 50-WP/GOAL 1.6-E/GRAMOXONE SUPER COMBINATION (California Only)

DEVIRINOL 50-WP GOAL 1.6-E GRAMOXONE SUPER is recommended for residual preemergence control of susceptible broadleaf and grassy weeds. GRAMOXONE SUPER is included in the tank mix to control existing emerged weeds.

For weeds controlled refer to the weed lists for DEVIRINOL 50 WP and DEVIRINOL 50-WP GOAL 1.6-E tank mix surface applied.

## DIRECTIONS FOR USE

For control of all weeds listed, apply 8 pounds DEVIRINOL 50-WP 5 quarts GOAL 1.6-E (2.0 lb active) and 1 1/2 quarts GRAMOXONE SUPER per broadcast acre.

Follow the use directions and recommendations for the DEVIRINOL 50-WP GOAL 1.6-E combination. Consult the GRAMOXONE SUPER label for timing with respect to stage of weed growth and for application methods recommended to minimize crop injury.

## RECOMMENDATIONS

For use on almond, apricot, cherry, fig, grape, nectarine, peach, pear, plum, prune and walnut in California only.

## DEVIRINOL 50-WP/KARMEX 80-WP COMBINATION

DEVIRINOL 50 WP may be used in combination with KARMEX 80 WP for improved control of annual broadleaf weeds. This tank mix does not control emerged weeds.

\*Registered trademark of E. I. DuPont de Nemours & Company.

## DIRECTIONS FOR USE

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

For control of all weeds listed, apply 8 pounds DEVIRINOL 50 WP and 1.25 pounds KARMEX 80 WP per broadcast acre to the soil surface. Apply in the Fall through early Spring prior to weed emergence. Do not apply to frozen ground. 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 following application (sprinkler or flood) with sufficient water to wet the soil to a depth of 2 to 4 inches. In the Western and Pacific Northwest Regions treatment made in November through February must be incorporated in or irrigated in if no rainfall occurs within three weeks of application.

For treatments made other than in November through February in these regions, and for all treatments applied in the Northern, Southwestern, and Southeastern Regions regardless of season, the treatment must be incorporated in or irrigated in within 24 hours if no rainfall occurs.

Use as a directed spray and avoid contact with fruit or foliage. Do not apply when fruit is on the ground during the harvest period. Do not graze treated areas.

## RECOMMENDATIONS

For use on the following crops: Apples and peaches (All Regions); Citrus (California and Arizona only); Grapes, pears and walnuts (California only).

NOTE: To avoid possible crop injury follow these precautions:

- Apples and Peaches: Use only under trees established in the orchard for at least 1 year. Do not treat varieties grafted on full dwarf root stocks.
- Citrus: Use only under trees established in the grove for at least 1 year.
- Grapes: Apply only to established vineyards (at least 3 years old) as a band treatment to grape rows. Do not apply to vines with trunks less than 1 1/2" in diameter as injury may result. On soils low in clay or organic matter (1 to 2%), severe plant injury may result if heavy rainfall or more than one inch of irrigation occurs soon after treatment. This risk must be assumed by the user.

- Peaches: Use only under trees established in the orchard for at least 2 years.

- Walnuts: Use only under trees established in the orchard for at least 1 year.

## DEVIRINOL 50-WP/ROUNDUP\* COMBINATION

ROUNDUP may be used to control existing weeds when applied prior to or in combination with DEVIRINOL 50 WP.

\*Registered trademark of Monsanto Company.

## DIRECTIONS FOR USE

Follow use directions for DEVIRINOL 50 WP surface application. Read the ROUNDUP label for timing with respect to stage of weed growth and for application methods. For control of all weeds listed, apply 8 pounds DEVIRINOL 50 WP in 20 to 100 gallons of water per broadcast acre. For application rates of ROUNDUP refer to the ROUNDUP label.

## RECOMMENDATIONS

Consult the ROUNDUP label for recommended uses in orchards and vineyards. Then read the crop recommendations for DEVIRINOL 50 WP surface application to insure that the combination may be used for a particular crop in your state. Recommended only for the uses specified on the ROUNDUP and DEVIRINOL 50 WP labels.

## DEVIRINOL 50-WP/SIMAZINE 80-WP COMBINATION (California and Pacific Northwest Only)

DEVIRINOL 50 WP may be used in combination with SIMAZINE 80 WP for control of additional weeds not controlled by DEVIRINOL 50 WP alone. This tank mix does not control emerged weeds.

Additional weeds controlled by DEVIRINOL 50-WP/SIMAZINE 80-WP tank mix, surface applied, at recommended rates:

California Burclover	( <i>Medicago polymorpha</i> )
Herb	( <i>Lamium amplexicaule</i> )
London Rocket	( <i>Sisymbrium irio</i> )
Marestail (Horseweed)	( <i>Conyza canadensis</i> )
Maries Lettuce	( <i>Monia perfoliata</i> )
Panicum Wilkesii	( <i>Epidium paniculatum</i> )
Redmaids (Rockpurstane)	( <i>Calandrina caulescens</i> )

## DIRECTIONS FOR USE

For control of all weeds listed, apply 8 pounds DEVIRINOL 50 WP and 0.6 to 1.25 pounds SIMAZINE 80 WP per broadcast acre. Limit treatment of almonds, grapes and peaches to a 4 to 8 foot band centered on the tree row, reducing the dosage proportionately. Apply in the Fall through early Spring prior to weed emergence. For best results, the treatment must reach the zone of weed seed germination. Treatments made other than in November through February must be shallowly incorporated or irrigated in the same day as applied (sprinkler or flood) with sufficient water to wet the soil to a depth of 2 to 4 inches. Irrigation or shallow incorporation is recommended for treatments made from November through February if no rainfall occurs within three weeks of application.

Read directions on the SIMAZINE 80 WP label concerning nozzle and screen sizes.

Use as a directed spray and 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.

## RECOMMENDATIONS

For use on almonds, apples, avocados, grapefruit, grapes, lemons, olives, oranges, peaches, pears and walnuts in California and apples, figs, grapes and walnuts in the Pacific Northwest.

NOTE: To avoid possible crop injury follow these precautions:

- Apples and Peaches: Make application only to orchards where trees have been established one year or more.
- Almonds and Peaches (California Only): Do not treat trees established in the orchard less than 3 years. Do not treat the Mission variety of almonds. Do not apply to al-

mond trees propagated on plum rootstocks. Do not replant almonds or peaches in treated soil. Do not apply on gravelly, sandy or loamy sand soil or on soil with less than 1% organic matter. Do not treat areas where water will accumulate (flood or furrow irrigation water should not be applied to any treated areas or allow to stand on treated areas).

- Filberts (Oregon and Washington Only): Do not apply on gravelly, sandy or loamy sand soil.
- Grapes: Do not use in vineyards established less than three years.
- Grapefruit, Lemons, and Oranges (California Only): Do not use in the Imperial, Coachella, or Palo Verde Valleys. Do not use in nurseries. Do not apply to banded grapefruit, lemons, or oranges. Do not apply to trees under stress from freeze damage for one year after the freeze.
- Walnuts: Do not apply to sandy soil. Leveling and furrowing operations after application will lessen effectiveness of weed control.

## DEVIRINOL 50-WP/SIMAZINE 80-WP/GRAMOXONE SUPER COMBINATION (California and Pacific Northwest Only)

DEVIRINOL 50 WP/SIMAZINE 80 WP will not control emerged weeds. GRAMOXONE SUPER may be used to control existing weeds when applied prior to or in combination with DEVIRINOL 50 WP/SIMAZINE 80 WP.

For weeds controlled refer to the weed lists for DEVIRINOL 50 WP and DEVIRINOL 50 WP/SIMAZINE 80 WP tank mix surface applied.

For control of all weeds listed, apply 8 pounds DEVIRINOL 50 WP 0.6 to 1.25 pounds SIMAZINE 80 WP and 1 1/2 to 2 1/2 quarts GRAMOXONE SUPER per broadcast acre.

Follow the use directions and recommendations for the DEVIRINOL 50 WP/SIMAZINE 80 WP combination. Consult the GRAMOXONE SUPER label for timing with respect to stage of weed growth and for application methods recommended to minimize crop injury.

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## RECOMMENDATIONS

For crop recommendations, read the section on DEVRINOL 50 WP/SIMAZINE 80 WP.

## DEVRINOL 50-WP/SINBAR® 80-WP COMBINATION

DEVRINOL 50 WP may be used in combination with SINBAR 80 WP for improved control of annual broadleaf weeds. This tank mix does not control emerged weeds.

\*Registered trademark of E. I. du Pont de Nemours & Company.

## DIRECTIONS FOR USE

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

For control of all weeds listed, apply 8 pounds DEVRINOL 50 WP and 1.25 pounds SINBAR 80 WP per broadcast acre to the soil surface. Apply in the Fall through early Spring prior to weed emergence. Do not apply to frozen ground. For best results, the treatment must reach the zone of weed seed germination. If rainfall is not occurring, the treatment must be shallowly incorporated or used in following application (sprinkler or flood) with sufficient water to wet the soil to a depth of 2 to 4 inches. In the Western and Pacific Northwest Regions, treatment made in November through February must be incorporated in or irrigated if no rainfall occurs within three weeks of application. For treatments made other than in November through February in these regions, and for all treatments applied in the Northern, Southwestern, and Southeastern Regions, regardless of season, the treatment must be incorporated in or irrigated within 24 hours if no rainfall occurs. Use as a directed spray and avoid contact with fruit or foliage. Do not apply when fruit is on the ground during the harvest period. Do not graze treated areas.

## RECOMMENDATIONS

For use on apples, peaches and citrus (restrict use on citrus to California only) and mint (restrict use on mint to Pacific Northwest only).

NOTE: To avoid possible crop injury follow these precautions:

- **Apples and Peaches:** Where crop is grown under furrow irrigation or under raised berm flood irrigation (trees 4 to 6 inches waterline), apply only as a band treatment. Do not treat trees planted in the bottom of irrigation furrows or trees grown under flat flood or basin irrigation, and do not use on eroded areas where subsoil or tree roots are exposed, as injury to trees may result. Use only on trees established in the orchard for at least two years.
- **Citrus:** Temporary yellowing of citrus leaves may occur following treatment. Treatment may be used on coarse soils but is not to be used on soils low in organic matter (less than 1%); on poorly drained soils; nor on trees planted in irrigation furrows, as injury to trees may result. Treated areas may be planted to citrus trees one year after last application. Use only on trees established in the grove for at least one year.
- **Mint:** Apply in the Fall through early Spring as a post harvest treatment after last cultivation.

## TANK MIXTURES VEGETABLES AND TOBACCO

### IMPORTANT

Observe all cautions and limitations on labeling of all products used in combination.

Make only one application per season.

Do not contaminate water by cleaning of equipment or disposal of wastes.

In each case where a range of rates is given, the lower rates should be used on light (coarse) textured soils and soils low in organic matter. The higher rates should be used on heavy (fine) textured soils.

After harvest or prior to planting of succeeding crops, a deep moldboard or disc plowing operation must be carried out. To avoid injury to crops not specified on the label, do not plant until 12 months after the last DEVRINOL 50 WP application.

When applied at rates no greater than 4 lbs. DEVRINOL 50 WP per acre, rotational crops which are not registered on this label may be planted no sooner than 12 months after application when harvest and use of the mature crop(s) only is for food or feed pur-

poses. Crops are not to be grazed or harvested for food or feed purposes earlier than maturity.

## DIRECTIONS FOR USE

The recommended tank mix controls weeds by interfering with normal seed germination and seedling development. It does not control established weeds. All weed growth and crop stubble should be thoroughly worked into the soil before treatment.

## TANK MIX DIRECTIONS

Follow directions given in the sections DEVRINOL 50 WP GENERAL DIRECTIONS FOR USE AND TANK MIXTURES IMPORTANT.

All labeled spray volumes of 20-50 gallons per acre on transplanted tobacco, DEVRINOL 50-WP is physically compatible with DYFONATE®, DASANIT®, DIAZINON®, NEMACUR®, RIDOMIL®, and TILLAM®.

\*Registered trademarks of Mobay Chemical Corporation.

\*\*Registered trademarks of Ciba-Geigy Corporation.

## DEVRINOL 50-WP/TILLAM 6-E TANK MIX COMBINATION APPLIED PRE-PLANT INCORPORATED

A tank mix combination of DEVRINOL 50 WP and TILLAM 6-E can be applied and mixed (incorporated) into the soil before planting for weed control in tomatoes and tobacco.

## ADDITIONAL WEEDS CONTROLLED BY DEVRINOL 50-WP/TILLAM 6-E TANK MIX AT RECOMMENDED RATES.

### ANNUAL GRASSES

Bermudagrass (*Cynodon dactylon*)  
Barnyard Signalgrass (*Brachiaria pifera*)  
Miscanthus (*Avena fatua*)  
Foxtail (*Setaria italica*)

### ANNUAL BROADLEAF WEEDS

Henbit (Deadnettle) (*Lamium amplexicaule*)  
Nettleleaf Goosefoot (*Chenopodium murale*)  
Mint Nightshade (*Solanum elaeagnifolium*)  
Black-eyed Susan (*Rudbeckia serotina*)  
Shepherd's Purse (*Capsella bursa-pastoris*)  
Suppresses: (partial control)

### PERENNIAL WEEDS

Purple Nutsedge (*Cyperus rotundus*)  
(Purple Nutgrass)  
Yellow Nutsedge (*Cyperus esculentus*)  
(Yellow Nutgrass)

Existing stands of nutgrass must be turned under and chopped up thoroughly before treatment.

## APPLICATION DIRECTIONS

The soil should be well worked and dry enough to permit good soil mixing (incorporation). Pour the recommended amounts of DEVRINOL 50 WP and TILLAM 6-E into a spray tank during the mixing operation. Apply in 25 to 50 gallons of water per acre.

For soil incorporation applications, use a properly calibrated low pressure boom type sprayer having good agitation.

In irrigated areas, do not apply before pre-irrigation. For all band applications, reduce dosage proportionately depending upon row spacing and band to be treated. Do not band application on rocky ground because thorough incorporation is not possible.

## INCORPORATION DIRECTIONS

The herbicides must be mixed (incorporated) into the soil IMMEDIATELY after application to prevent loss by evaporation. When ever possible, application and incorporation should be done in the same operation.

## INCORPORATION BEFORE PLANTING

Use power-driven cultivation equipment set to cut to a depth of 2 to 3 inches in coarse soils and 3 to 4 inches in heavy soils OR a tandem disc set to cut to a depth of 6 inches, followed by a spike-tooth harrow or some other leveling device which extends beyond ends of the disc. For thorough mixing, disc in two different directions (cross disc).

## INCORPORATION AT PLANTING

Use power-driven cultivation equipment set to cut to a depth of 2 to 3 inches.

## PLANTING

Crops should be planted or seeded immediately after application and incorporation. Do not use a drag behind the planter as it may concentrate the herbicides over the seed row and cause crop injury.

## CULTURAL PRACTICES FOLLOWING APPLICATION

Shallow cultivation may be necessary to control those susceptible weeds that escape control as well as those weeds not susceptible to either herbicide. Do not cultivate deeper than the depth of herbicide incorporation.

When cultivating fields where the tank mix has been banded in the row, use shields to prevent the movement of untreated soil into the treated row.

## RECOMMENDATIONS

**TOMATOES** (Direct Seeded [California Only] and Transplanted) Apply 2 to 4 pounds DEVRINOL 50 WP plus 2 1/2 to 4 quarts TILLAM 6-E per broadcast acre. Use the lower rates on light soils (coarse textured, sandy) and the higher rate on heavy soils (fine textured, clay). Do not use hot caps on transplanted tomatoes.

**TOBACCO** (Transplanted) Before transplanting, apply 2 pounds DEVRINOL 50 WP plus 2 1/2 quarts TILLAM 6-E. This combination may be tank mixed with FURADAN® 4-F or MOCAP® 6-E at recommended rates. Read the FURADAN 4-F and MOCAP 6-E labels for recommended uses, directions for use, precautions and limitations. When using the spray tank, follow these orders of mixing: DEVRINOL 50 WP slurry, FURADAN 4-F, TILLAM 6-E OR DEVRINOL 50 WP slurry, TILLAM 6-E, MOCAP 6-E.

\*Registered trademark of FMC Corporation.

\*\*Registered trademark of Rhone-Poulenc Chemical Company.

## DEVRINOL 50-WP/TILLAM 6-E/DYFONATE (4-E, 4-EC or 4-ED) TANK MIX COMBINATION

A tank mix combination of DEVRINOL 50 WP, DYFONATE 4-E, 4-EC or 4-ED and TILLAM 6-E can be applied and mixed into the soil before transplanting tomatoes and tobacco for control of weeds and soil insects. Refer to DEVRINOL 50 WP, TILLAM 6-E, and Tank Mix Combination for list of weeds controlled.

NOTE: DYFONATE 4-E, 4-EC and 4-ED are Restricted Use Pesticides. Observe all cautions and limitations on labeling of all products used in combination. Make only one application per season. Do not contaminate water by cleaning equipment or disposal of wastes.

## DIRECTIONS FOR USE

The recommended tank mix controls weeds by interfering with normal seed germination and seedling development. It does not control established weeds. All weed growth and crop stubble should be thoroughly worked into the soil before treatment.

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For GENERAL USE PRECAUTIONS and DIRECTIONS FOR USE refer to DEVRINOL 50-WP/TILLAM 6-E Tank Mix Recommendations for methods of tank mixing, application and incorporation. When using DEVRINOL 50-WP, make a slurry and add to a nearly filled spray tank with adequate agitation.

## RECOMMENDATIONS

**TOMATOES** (Direct Seeded (California Only) and Transplanted) Apply 2 to 4 pounds DEVRINOL 50-WP PLUS 2½ to 4 qts TILLAM 6-E plus 2 qts DYFONATE 4-E, 4-EC or 4-ED for control of symphylans or 4 qts for control of symphylans and wireworms in 25 to 50 gallons of water per broadcast acre. Use the lower DEVRINOL 50-WP and TILLAM 6-E rates on light soils (coarse textured-sandy) and the higher rates on heavy soils (fine textured-clay). Do not use hotcaps on transplanted tomatoes.

**TOBACCO** (Transplanted) Before transplanting apply 2 pounds DEVRINOL 50-WP plus 2½ qts TILLAM 6-E plus 2 qts DYFONATE 4-E, 4-EC or 4-ED for control of wireworms in 25 to 50 gallons water per broadcast acre.

### 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 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.

**CONTAINER DISPOSAL:** Do not reuse. Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.