



OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

April 2, 2024

Katy DeGroot
Regulatory Consultant
UPL NA, Inc.
c/o Pyxis Regulatory Consulting Inc.
4110 136th St. Ct. NW
Gig Harbor, WA 98332

Subject: Label Amendment - Registration Review Mitigation for Napropamide and notification of minor label changes per PRN 98-10
Product Name: Devrinol 50-DF Selective Herbicide
EPA Registration Number: 70506-36
Application Date: 6/17/2022
Decision Numbers: 585379 and 585864

Dear Katy DeGroot:

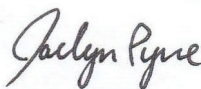
In accordance with the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, the Agency has reviewed all the information submitted with your application to support the Registration Review of the above referenced product in connection with the Napropamide Interim Decision and has concluded that your submission is acceptable. The Agency also completed review of your amended label referred to above, submitted in connection with registration under FIFRA, as amended, and has determined the label is also acceptable.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide, Fungicide, and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling and must be used at your next label printing. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 12 months from the date of this letter. After 12 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

If you have any questions about this letter, please contact Carolyn Smith by phone at 202-566-2273, or via email at smith.carolyn@epa.gov.

Sincerely,

A handwritten signature in black ink that reads "Jaclyn Pyne". The signature is written in a cursive style.

Jaclyn Pyne, Team Leader
Risk Management and Implementation Branch 3
Pesticide Re-Evaluation Division
Office of Pesticide Programs

ENCLOSURE: Stamped label

{Note to reviewer: [Text] in brackets denotes optional text. {Text} in braces denotes where in the final label text will appear and notes to reviewer.}

NAPROPAMIDE	GROUP	15	HERBICIDE
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DEVRI[®]NOL 50-DF Selective Herbicide

For use on certain Nuts, Small Fruits, Vegetables and Tobacco

ACTIVE INGREDIENT:

Napropamide..... 50.0%

OTHER INGREDIENTS: 50.0%

TOTAL..... 100%

KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID

IF IN EYES:

- 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 SWALLOWED:

- Call a Poison Control Center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not give anything by mouth to an unconscious person.
- Do not induce vomiting unless told to by a Poison Control Center or doctor.

IF ON SKIN OR CLOTHING:

- 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 INHALED:

- 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.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

FOR 24-HOUR MEDICAL EMERGENCY ASSISTANCE CALL Rocky Mountain Poison and Drug Safety: 1-866-673-6671.

FOR 24-HOUR CHEMICAL EMERGENCY (Spill, leaks, fire, exposure or accident) CALL CHEMTREC: 1-800-424-9300 or +1-703-527-3887.

{Optional reference statements:} [See] [front][back][side][inside] panel for First Aid Instructions and [leaflet][booklet] for complete Precautionary Statements and Directions for Use.] [Peel Down for Directions.] [See inside for First Aid, Precautionary Statements, and complete Directions for Use.] {Box/Case:} [See containers inside for additional Precautionary Statements and complete Directions for Use.] {Container:} [See attached booklet for additional Precautionary Statements and complete Directions for Use.]

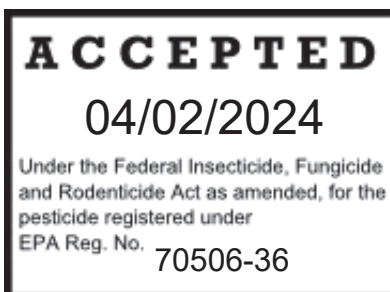
EPA Reg. No. 70506-36

EPA Est. No

UPL NA Inc.

630 Freedom Business Center, Suite 402
King of Prussia, PA 19406 • 1-800-438-6071

NET WEIGHT: __ pounds



PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. Harmful if swallowed, absorbed through skin or inhaled. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Avoid breathing dust.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Mixers, loaders, applicators and other handlers must wear:

- Long-sleeved shirt and long pants.
- Waterproof gloves.
- Shoes plus socks.

PF10 respirators are required for mixer/loaders for:

- Dry flowable (water dispersible granule) formulations for ground boom applications for all uses except for orchards and vineyards; and
- Dry flowable (water dispersible granule) formulations for chemigation applications.

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.

ENGINEERING CONTROLS STATEMENT

When handlers use closed systems or enclosed cabs 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/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

This product is toxic to fish and aquatic invertebrates. 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 or rinsate. Do not irrigate to cause runoff. Spilled napropamide granules exposed on soil surface may be hazardous to wildlife. Cover or collect granules spilled during loading.

Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

This product may impact surface water quality due to runoff of rainwater. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having high potential for reaching surface water via runoff for several months or more after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of napropamide from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall is expected to occur within 48 hours.

NON-TARGET ORGANISM ADVISORY: This product is toxic to plants and may adversely impact the forage and habitat of non-target organisms, including pollinators, in area adjacent to the treated site. Protect the forage and habitat of non-target organism by following label directions intended to minimize spray drift.

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

USE PRECAUTIONS

Read all instructions before using.

- Use only for labeled purposes and at labeled rates.
- Use as a directed spray and avoid contact with fruit or foliage.
- Except where specifically noted, DEVRINOL 50-DF herbicide 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.
- Removable chemical extraction probes (also known as “stingers”) used in suction/extraction systems must be rinsed within the pesticide containers prior to removal.

USE RESTRICTIONS

- Do not apply to frozen ground.
- Do not apply when fruit or nuts are on the ground during the harvest period.
- Do not overdose.
- Do not apply when weather conditions favor drift from areas treated.
- Do not graze treated areas.
- Do not contaminate irrigation water or water used for domestic purposes.
- Do not graze or harvest for food or feed purposes earlier than maturity.
- Do not apply dry flowable (water dispersible granule) formulations via chemigation for cranberry use.
- Do not apply by air.

CROP ROTATION RESTRICTIONS

- 60-day plantback interval for leafy vegetables
- 180-day plantback interval for cereal grains
- 365-day plantback interval for all other crops not listed on this label

Crops listed on this label may be planted immediately after treatment, unless otherwise directed in this label.

When DEVRINOL 50-DF herbicide is used on tobacco at up to 4 pounds active ingredient per acre, small grains may be seeded in 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-DF herbicide in small grains and must be destroyed by plowing under or otherwise prevented from reaching food or feed production.

When using DEVRINOL 50-DF herbicide with other registered pesticides, always refer to the restrictive instructions and precautions on the other product label and comply with the most restrictive rotational crop directions.

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.
- Shoes plus socks.
- Waterproof gloves.
- Eye wear.

WEED RESISTANCE MANAGEMENT

For resistance management, DEVRINOL 50-DF HERBICIDE is a Group 15 herbicide. Any weed population may contain or develop plants naturally resistant to DEVRINOL 50-DF HERBICIDE and other Group 15 herbicides. Weed species with acquired resistance to Group 15 herbicides may eventually dominate the weed population if Group 15 herbicides are used repeatedly in the same field or in successive years as the primary method of control for targeted species. This may result in partial or total loss of control of those species by DEVRINOL 50-DF HERBICIDE or other Group 15 herbicides. Users should scout before and after application.

Suspected herbicide-resistant weeds may be identified by these indicators:

- Failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds;
- A spreading patch of non-controlled plants of a particular weed species; and
- Surviving plants mixed with controlled individuals of the same species.

To delay herbicide resistance:

- Avoid the consecutive use of DEVRINOL 50-DF HERBICIDE or other target site of action Group 15 herbicides that might have a similar target site of action, on the same weed species.
- Use tank mixtures or premixes with herbicides from different target site of action Groups as long as the involved products are all registered for the same use, have different sites of action and are both effective at the tank mix or prepack rate on the weed(s) of concern (an herbicide mode of action classification by itself may not adequately address specific weeds that are resistant to specific herbicides)
- Base herbicide use on a comprehensive Integrated Pest Management (IPM) program.
- Scout fields prior to application to identify the weed species present and their growth state to determine if the intended application will be effective.
- Scout fields after application to verify that the treatment was effective.
- Contact your local extension specialist, certified crop advisors and/or manufacturer for herbicide resistance management and/or integrated weed management recommendations for specific crops and resistant weed biotypes.

Report any incidence of non-performance of this product against a particular weed species to your UPL NA Inc. retailer, representative or call 1-800-438-6071. If resistance is suspected, treat weed escapes with an herbicide having a different mechanism of action and/or use non-chemicals means to remove escapes, as practical, with the goal of preventing further seed production.

MANDATORY SPRAY DRIFT MANAGEMENT

Ground Boom Applications:

- User must only apply with the release height recommended by the manufacturer, but no more than 4 feet above the ground.
- Applicators must select nozzle and pressure that deliver medium or coarser droplets in accordance with American Society of Agricultural and Biological Engineers Standard 572 (ASABE S572).
- Do not apply when wind speeds exceed 15 mph at the application site.
- Do not apply during temperature inversions.

Boomless Ground Applications:

- Applicators must select nozzle and pressure that deliver medium or coarser droplets in accordance with American Society of Agricultural & Biological Engineers Standard 572 (ASABE S572).
- Do not apply when wind speeds exceed 15 miles per hour at the application site.
- Do not apply during temperature inversions.

SPRAY DRIFT ADVISORIES

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT.
BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

IMPORTANCE OF DROPLET SIZE

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

Controlling Droplet Size—Ground Boom

- Volume—Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
- Pressure—Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
- Spray Nozzle—Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

BOOM HEIGHT—Ground Boom

For ground equipment, the boom should remain level with the crop and have minimal bounce.

SHIELDED SPRAYERS

Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

TEMPERATURE AND HUMIDITY

When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

TEMPERATURE INVERSIONS

Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

WIND

Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS.

Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

Boomless Ground Applications:

- Setting nozzles at the lowest effective height will help to reduce the potential for spray drift.

Handheld Technology Applications:

- Take precautions to minimize spray drift.

PRODUCT INFORMATION

DEVIRINOL 50-DF herbicide is a soluble concentrate selective surface-applied or incorporated herbicide for use in certain types of newly planted or established crops. DEVIRINOL 50-DF herbicide does not control established weeds. All weed growth, crop stubble and/or leaf litter in the fields that can interfere with soil coverage must be thoroughly worked into the soil or removed from the treatment zone 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 labeled rate of DEVIRINOL 50-DF herbicide in 10 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-DF herbicide alone, or in combination with other wettable powders, make a slurry and add to a nearly filled spray tank with adequate agitation. This will enhance initial mixing. Contact herbicides and spreaders should always be added to a nearly filled spray tank. Never add them to the slurry.

REGIONAL USE AREAS

Northern: Colorado, Connecticut, Delaware, Illinois, Indiana, Iowa, Kansas, Kentucky, Maine, Maryland, Massachusetts, Michigan, Minnesota, Missouri, Nebraska, New Hampshire, New Jersey, New York, North Dakota, Ohio, Pennsylvania, Rhode Island, South Dakota, Vermont, Virginia, West Virginia, Wisconsin.

Pacific Northwest: Alaska, Idaho, Montana, Oregon, Utah, Washington, Wyoming.

Southeastern: Alabama, Georgia, Florida, North Carolina, South Carolina, Tennessee.

Southwestern: Arkansas, Louisiana, Mississippi, New Mexico, Oklahoma, Texas.

Western: Arizona, California, Hawaii, Nevada.

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

Western and Pacific Northwest: Three weeks (fall through early spring) or 24-72 hours (remainder of year).

Other Regions and Period Unless Otherwise Specified: 24-72 hours.

APPLICATIONS THROUGH IRRIGATION SYSTEMS

- For use in the Western Region on tree crops and grapevines only for preemergence control of listed weeds.
- Do not allow treatment to contact foliage or crop.
- Remove existing weed growth before application.
- Meter the DEVIRINOL 50-DF herbicide 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.
- Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from nonuniform distribution of treated water.
- 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.

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

USE RESTRICTIONS:

- Only apply this product through center pivot, lateral move, end tow, side wheel roll, traveler, microsprinkler, solid set, or hand move sprinkler systems, or flood (basin); furrow; border irrigation systems.
- 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.
- Do not apply when wind speed favors drift beyond the area intended for treatment.

FOR SPRINKLER IRRIGATION:

- 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.
- The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- 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.
- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- 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.
- 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.

FOR FLOOD (BASIN), FURROW AND BORDER IRRIGATION:

- 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 or weir box to decrease potential for water source contamination from backflow if water flow stops.
- Systems utilizing a pressurized water and pesticide injection system must meet the following requirements:
 - 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.
 - The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
 - 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.

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

TANK MIXTURES – LABELED CROPS

DEVIRINOL 50-DF may be tank mixed with other pre-emergence herbicides labeled for the same crops to provide additional weed control and for control of weeds not listed on the DEVIRINOL 50-DF label, and/or with contact herbicides to control emerged weeds at the time of application. Read and follow all applicable directions, restrictions and precautions on product labels, deferring to the most restrictive directions.

Always follow the more restrictive label instructions for tank mixes.

For a tank mix application, apply the specified dosage (see directions for use) in 10 to 100 gallons of water per acre.

WEEDS CONTROLLED BY DEVIRINOL 50-DF HERBICIDE BROADCAST APPLICATION

For control of all weeds listed, apply 8 pounds (4 lbs. ai/A) DEVIRINOL 50-DF herbicide per broadcast acre to the soil surface. 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 following application (sprinkler or flood) with sufficient water to wet the soil to a depth of 2 to 4 inches.

Reduce rates proportionately for band or strip treatments.

Restriction:

Do not apply DEVIRINOL 50-DF herbicide to frozen ground.

NOTE: DEVIRINOL 50-DF herbicide does not control established weeds.

ANNUAL GRASSES:	
Barnyardgrass, Junglerice	<i>Echinochloa</i> spp.
Foxtail Barley	<i>Hordeum jubatum</i>
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>
Ripgut Brome	<i>B. rigidus</i>
Soft Chess	<i>B. mollis</i>
Canarygrass	<i>Phalaris canariensis</i>
Large (Hairy) Crabgrass	<i>Digitaria sanguinalis</i>
Smooth Crabgrass	<i>Digitaria ischaemum</i>
Southwestern Cupgrass	<i>Eriochloa gracilis</i>

Foxtail	<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 halpense</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 spp.</i>
Mexican Sprangletop	<i>Leptochloa uninervia</i>
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>
Cudweed, Purple	<i>Gnaphalium purpureum</i>
Redstem Filaree	<i>Erodium cicutarium</i>
Common Groundsel	<i>Senecio vulgaris</i>
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 portulacastrum</i>
Common Ragweed**	<i>Ambrosia artemisiifolia</i>
Annual Sowthistle	<i>Sonchus oleraceus</i>

*From seed

**Suppression

WEEDS CONTROLLED BY DEVRINOL 50-DF PREPLANT INCORPORATED APPLICATION

For control of all weeds listed, apply 2 to 4 pounds (1-2 lbs. ai/A) DEVRINOL 50-DF herbicide as a preplant incorporated application.

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 using equipment which will result in uniform incorporation of the herbicide to the desired depth. Whenever a rate range is indicated for DEVRINOL 50-DF herbicide, use the lower rate on light soil (coarse textured-sandy) and the higher rate on heavy soil (fine textured-clay).

NOTE: DEVRINOL 50-DF herbicide does not control established weeds.

ANNUAL GRASSES:	
Barnyardgrass, Junglerice	<i>Echinochloa</i> spp.
Crabgrass	<i>Digitaria</i> spp.
Foxtails	<i>Setaria</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>
Panicums	<i>Panicum</i>
Fall Panicum	<i>P. dichotomiflorum</i>
Witchgrass	<i>P. capillare</i>
Stinkgrass	<i>Eragrostis cilianensis</i>
ANNUAL BROADLEAF WEEDS:	
Carpetweed	<i>Mollugo verticillata</i>
Purple Cudweed	<i>Gnaphalium purpureum</i>
Galinsoga*	<i>Galinsoga</i> spp.
Lambsquarters	<i>Chenopodium album</i>
Redroot Pigweed	<i>Amaranthus retroflexus</i>
Smooth Pigweed	<i>Amaranthus hybridus</i>
Common Purslane	<i>Portulaca oleracea</i>
Florida Pusley	<i>Richardia scabra</i>
Common Ragweed**	<i>Ambrosia artemisiifolia</i>

*Controlled at 4 pounds (2 lbs. ai/A) DEVRINOL 50-DF

**Suppression

USE DIRECTIONS

DEVRINOL 50-DF herbicide is labeled for use on the following crops. Unless otherwise noted, DEVRINOL 50-DF herbicide can be used in ALL REGIONS. Please refer to Regional Map under PRODUCT INFORMATION.

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

BERRY CROPS

Apply a maximum of once per year.

CROP	USE RATE/ACRE	USE DIRECTIONS AND RESTRICTIONS
Blackberry (including bingleberry, boysenberry; dewberry, lowberry, marionberry, olallieberry, youngberry) Blueberry Currant Elderberry Gooseberry Huckleberry Loganberry Raspberry (black and red)	8 lbs./A (4 lbs. ai/A)	Apply to a weed free soil surface. May be applied to newly planted and established crop. Restrictions: Do not apply more than 8 pounds per acre (4 lbs. ai/A) per crop cycle. Do not apply more than 8 pounds per acre (4lbs. ai/A) per year. Do not apply more than 1 application per year.

CROP	USE RATE/ACRE	USE DIRECTIONS AND RESTRICTIONS
Strawberries established plantings	8 lbs./A (4 lbs. ai/A)	<p><u>Spring Application</u> - Apply after removal of straw mulch. Surface should be weed free. Water into soil to a depth of 2 to 4 inches using natural rainfall or irrigation within 24-72 hours of application for best results.</p> <p>Restrictions: Do not exceed a maximum application rate of 8 pounds per acre (4 lbs. ai/A) per crop cycle. Do not apply from bloom through harvest. Do not apply more than 8 pounds per acre (4lbs. ai/A) per year. Do not apply more than 1 application per year.</p> <p><u>Fall Application</u> - Apply before winter protective mulch is applied over plants. Water into soil to a depth of 2 to 4 inches using natural rainfall or irrigation within 24-72 hours of application.</p> <p>Restrictions: Do not apply to frozen ground. Do not exceed a maximum application rate of 8 pounds per acre (4 lbs. ai/A) per crop cycle. Do not apply more than 8 pounds per acre (4lbs. ai/A) per year. Do not apply more than 1 application per year.</p>
Strawberries not grown with plastic mulch	8 lbs./A (4 lbs. ai/A)	<p>Apply to a weed free soil surface. May be applied to newly transplanted crop. Delay application until the desired number of daughter plants has become established.</p> <p>Restrictions: Do not exceed a maximum application rate of 8 pounds per acre (4 lbs. ai/A) per crop cycle. Do not apply from bloom through harvest. Do not apply more than 8 pounds per acre (4lbs. ai/A) per year. Do not apply more than 1 application per year.</p>
Strawberries grown with plastic mulch on plant beds (All Regions except Southeastern)	8 lbs./A (4 lbs. ai/A) Preplant incorporated	<p>Apply to a weed free soil before the laying of plastic mulch. Soil should be well worked yet moist enough to permit a thorough incorporation to a depth of 2 inches. Incorporate within 24-72 hours before laying of plastic mulch using equipment which will result in uniform incorporation of the herbicide to desired</p>

CROP	USE RATE/ACRE	USE DIRECTIONS AND RESTRICTIONS
<p>Strawberries</p> <p>grown with plastic mulch on plant beds</p> <p>(Southeastern Region)</p>	<p>4-8 lbs./A (2-4 lbs. ai/A)</p> <p>Preplant incorporated</p>	<p>depth.</p> <p>If weed pressure is from small seeded annuals, apply to the surface of the bed immediately in front of the laying of the plastic mulch. If soil is dry, water or sprinkler irrigate with sufficient water to wet to a depth of 2 to 4 inches before covering with plastic mulch. Apply the plastic mulch over the treated soil within 24-72 hours.</p> <p>Restrictions: Do not exceed a maximum application rate of 8 pounds per acre (4 lbs. ai/A) per crop cycle. Do not apply more than 8 pounds per acre (4lbs. ai/A) per year. Do not apply more than 1 application per year.</p>
<p>Strawberries</p> <p>grown with plastic mulch on plant beds</p>	<p>8 lbs./A (4 lbs. ai/A)</p> <p>Application between rows of plastic mulch, middles, or aisles</p>	<p>Use a shielded sprayer or properly spaced drop nozzles to apply to a weed free soil surface between the rows of plastic. Mechanically incorporate or irrigate DEVRINOL 50-DF herbicide into the soil to a depth of 1 to 2 inches within 24-72 hours of application. In the event of emerged weed growth being present, tank mix 2 gallons of DEVRINOL 50-DF herbicide with the correct amount of a labeled burndown herbicide to get burndown and residual control.</p> <p>Restrictions: Do not exceed a maximum application rate of 8 pounds per acre (4 lbs. ai/A) per crop cycle. Do not apply from bloom through harvest. Do not apply more than 8 pounds per acre (4lbs. ai/A) per year. Do not apply more than 1 application per year.</p>

CROP	WEEDS CONTROLLED	USE RATE/ACRE	USE DIRECTIONS AND RESTRICTIONS
<p>Cranberries</p> <p>Established beds (over one year old)</p> <p>(Northeast: Connecticut, Delaware, Massachusetts, Maryland, Maine, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont, West Virginia)</p>	<p>Nutsedge (<i>Cyperus dentatus</i>)</p> <p>Rice Cutgrass (<i>Leersia oryzoides</i>)</p> <p>Purplestem Beggarticks (<i>Bidens connate</i>)</p>	<p>In Peat Beds: 12-18 lbs./A (6 – 9 lbs. ai/A)</p> <p>In Beds with Sandy Soils: 8 – 12 lbs./A (4 – 6 lbs. ai/A)</p>	<p>Apply to a weed free soil surface before spring growth begins or in the fall after harvest.</p> <p><u>In Peat Beds:</u> Apply through ground application equipment.</p> <p>Restrictions: Do not apply more than 18 pounds per acre (9 lbs. ai/A) per year. Do not apply more than 18 pounds per acre (9 lbs. ai/A) per application. Do not apply more than 1 application per year. Do not apply when beds are under winter flood. CAUTION: Do not apply in the spring to cranberry beds that do not have sprinkler systems for frost control.</p> <p><u>In Beds with Sandy Soils:</u> Apply through ground application equipment.</p> <p>Restrictions: Do not apply more than 12 pounds DEVRINOL 50-DF per acre (6 lbs. ai/A) per year. Do not apply more than 12 pounds DEVRINOL 50-DF per acre (6 lbs. ai/A) per application. Do not apply more than 1 application per year. Do not apply when beds are under winter flood. CAUTION: Do not apply in the spring to cranberry beds that do not have sprinkler systems for frost control.</p>
<p>Cranberries</p> <p>New plantings</p> <p>(Northeast: Connecticut, Delaware, Massachusetts, Maryland, Maine, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont, West Virginia)</p>		<p>6 lbs./A (3 lbs. ai/A)</p>	<p>Apply to a weed free soil surface after planting using ground spray equipment.</p> <p>Restrictions: Do not apply more than 6 pounds DEVRINOL 50-DF herbicide per acre (3 lbs. ai/A) per year. Do not apply more than 6 pounds DEVRINOL 50-DF herbicide per acre (3 lbs. ai/A) per application. Do not apply more than 1 application per year.</p>

<p>Cranberries Established beds (over one year old)</p> <p>(North Central: Michigan, Minnesota, North Dakota, South Dakota, Wisconsin)</p>	<p>Purplestem beggarticks (<i>Bidens connata</i>)</p> <p>Rice Cutgrass (<i>Leersia oryzoides</i>)</p>	<p>In Peat Beds: 12-18 lbs./A (6 – 9 lbs. ai/A)</p> <p>In Beds with Sandy Soils: 8-12 lbs./A (4 – 6 lbs. ai/A)</p>	<p>Apply to a weed free soil surface before spring growth begins or in the fall after harvest. Avoid applying when beds may be reflooded for spring frost protection or when soils are water soaked.</p> <p><u>In Peat Beds:</u> Apply through ground application equipment.</p> <p>Restrictions: Do not apply more than 18 pounds DEVRINOL 50-DF per acre (9 lbs. ai/A) per year. Do not apply more than 18 pounds DEVRINOL 50-DF per acre (9 lbs. ai/A) per application. Do not apply more than 1 application per year. Do not apply when beds are under winter flood. CAUTION: Do not apply in the spring to cranberry beds that do not have sprinkler systems for frost control.</p> <p><u>In Beds with Sandy Soils:</u> Apply through ground application.</p> <p>Restrictions: Do not apply more than 12 pounds per acre (6 lbs. ai/A) per year. Do not apply more than 12 pounds per acre (6 lbs. ai/A) per application. Do not apply more than 1 application per year. Do not apply when beds are under winter flood. CAUTION: Do not apply in the spring to cranberry beds that do not have sprinkler systems for frost control.</p>
<p>Cranberries New plantings</p> <p>(North Central: Michigan, Minnesota, North Dakota, South Dakota, Wisconsin)</p>		<p>6 lbs. (3 lbs. ai/A)</p>	<p>Apply to a weed free soil surface after planting using ground spray equipment.</p> <p>Restrictions: Do not apply more than 6 pounds DEVRINOL 50-DF per acre (3 lbs. ai/A) per year. Do not apply more than 6 pounds DEVRINOL 50-DF per acre (3 lbs. ai/A) per application Do not apply more than 1 application per year.</p>

<p>Cranberries</p> <p>Established beds (over one year old)</p> <p>(West: Idaho, Montana, Oregon, Washington)</p>	<p>Clover (<i>Trifolium fimbriatum</i>)</p> <p>Aster (<i>Aster douglasii</i>)</p> <p>Silverweed Cinquefoil* (silverleaf) (<i>Potentilla anserina</i>),</p> <p>Red Sorrel (sheep sorrel) (<i>Rumex acetosella</i>)</p> <p>Birdsfoot Trefoil (<i>Lotus corniculatus</i>)</p> <p>*Suppression only</p>	<p>In Beds with Heavy Muck Soil: 18 lbs./A (9 lbs. ai/A)</p> <p>In Peat Beds: 12-18 lbs./A (6 – 9 lbs. ai/A)</p> <p>In Beds with Sandy Soils: 8-18 lbs./A (4 – 9 lbs. ai/A)</p>	<p>Apply DEVRINOL 50-DF at the rates indicated below to a weed free soil surface before spring growth begins in mid-February or before the end of March.</p> <p><u>In Beds with Heavy Muck Soil:</u> Apply through ground application equipment.</p> <p><u>In Peat Beds:</u> Apply through ground application equipment.</p> <p><u>In Beds with Sandy Soils:</u> Apply through ground application equipment.</p> <p>Restrictions: Do not apply after buds start to swell. CAUTION: Do not apply in the spring to cranberry beds that do not have sprinkler systems for frost control. Do not apply more than 18 pounds DEVRINOL 50-DF acre (9 lbs. ai/A) per acre per year. Do not apply more than 18 pounds DEVRINOL 50-DF acre (9 lbs. ai/A) per acre per application. Do not apply more than 1 application per year.</p>
<p>Cranberries</p> <p>New Plantings</p> <p>(West: Idaho, Montana, Oregon, Washington)</p>		<p>6 lbs./A (3 lbs. ai/A)</p>	<p>Apply to a weed free soil surface after planting using ground spray equipment.</p> <p>Restrictions: Do not apply more than 6 pounds DEVRINOL 50-DF per acre (3lbs. ai/A) per year. Do not apply more than 6 pounds DEVRINOL 50-DF per acre (3lbs. ai/A) per application. Do not apply more than 1 application per year.</p>

CROP	USE RATE/ACRE	USE DIRECTIONS AND RESTRICTIONS
<p>Rhubarb (Pacific Northwest Only)</p>	<p>8 lbs./A (4 lbs. ai/A)</p>	<p>Apply to a weed free soil surface in winter when rhubarb is dormant.</p> <p>Restrictions: Do not apply more than 8 lbs./A (4 lbs. ai/A) per crop cycle. Do not apply more than 8 lbs./A (4 lbs. ai/A) per application. Do not apply more than 8 lbs./A (4 lbs. ai/A) per year. Do not apply more than 1 application per year.</p>

FRUIT CROPS

Apply a maximum of once per year.

CROP	USE RATE/ACRE	USE DIRECTIONS AND RESTRICTIONS
Kiwi Fruit (Western Region Only)	8 lbs./A (4 lbs. ai/A)	Apply to a weed free soil surface. May be applied to newly planted and established crop. Restrictions: Do not apply within 90 days of harvest. Do not apply more than 8 pounds per acre (4 lbs. ai/A) per crop cycle. Do not apply more than 8 pounds per acre (4 lbs. ai/A) per application. Do not apply more than 8 pounds per acre (4 lbs. ai/A) per year. Do not apply more than 1 application per year.
Persimmons (Western Region Only)	8 lbs./A (4 lbs. ai/A)	Apply to a weed free soil surface. May be applied to established crop only. Restrictions: Do not apply within 100 days of harvest. Do not apply more than 8 pounds per acre (4 lbs. ai/A) per application. Do not apply more than 8 pounds per acre (4 lbs. ai/A) per year. Do not apply more than 1 application per year.

HERB CROPS

CROP	RATE DEVRINOL 50-DF/A	USE DIRECTIONS AND RESTRICTIONS
Basil, Marjoram, Rosemary, Savory (summer and winter)	2-4 lbs./A (1 – 2 lbs ai/A)	Apply as a preplant/preemergence application. Apply with ground spray equipment only, in 20-100 gallons of water per acre. Apply to a weed free surface. Shallow incorporate no deeper than seeding depth or sprinkler irrigate within 24-72 hours using sufficient water to wet the soil to a depth of 2 to 4 inches. Use the lower rate on light soil (coarse textured- sandy) and the higher rate on heavy soil (fine textured-clay). There is no restriction between last application and harvest. Restrictions: Do not apply more than 1 application per year. Do not apply more than 4 pounds per acre (2 lbs. ai/A) per application.

CROP	RATE DEVRINOL 50-DF/A	USE DIRECTIONS AND RESTRICTIONS
		Do not apply more than 4 pounds per acre (2 lbs. ai/A) per year.
Peppermint, Spearmint	8 lbs./A (4 lbs. ai/A)	<p>Apply to a weed free soil surface. Mint: may be applied to newly planted and established crops.</p> <p>When used on established crops, apply DEVRINOL 50-DF only to stands that have been established for at least one growing season. When used on recently planted crops, application may be made immediately after planting.</p> <p>Restrictions: Do not exceed a maximum application rate of 8 pounds per acre (4 lbs. ai/A) per crop cycle. Do not apply more than 8 pounds per acre (4 lbs. ai/A) per application. Do not apply more than 8 pounds per acre (4 lbs. ai/A) per year. Do not apply more than 1 application per year.</p>

TOBACCO

CROP	USE RATE/ACRE	USE DIRECTIONS AND RESTRICTIONS
Tobacco	2-4 lbs./A (1-2 lbs. ai/A) Before Transplanting	<p>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: Apply up to 3 weeks before transplanting. No waiting period is necessary.</p> <p>Restrictions: Do not exceed a maximum application rate of 4 pounds per acre (2 lbs. ai/A) per crop cycle. Do not apply more than 4 pounds per acre (2 lbs. ai/A) per application. Do not apply more than 4 pounds per acre (2 lbs. ai/A) per year. Do not apply more than 1 application per year.</p>

CROP	USE RATE/ACRE	USE DIRECTIONS AND RESTRICTIONS
<p>Tobacco</p> <p>(Kentucky, Maryland, Virginia and Southeast Region Only)</p>	<p>2-4 lbs./A (1-2 lbs. ai/A)</p> <p>At Transplanting</p>	<p>Apply to a weed free soil surface.</p> <p>Apply to the soil surface immediately after transplanting. May be applied over the top of transplants.</p> <p>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.</p> <p>Restrictions: Do not apply more than 4 pounds per acre (2 lbs. ai/A) per crop cycle. Do not apply more than 4 pounds per acre (2 lbs. ai/A) per application. Do not apply more than 4 pounds per acre (2 lbs. ai/A) per year. Do not apply more than 1 application per year.</p>
<p>Tobacco</p> <p>(Kentucky, Maryland, Virginia and Southeast Region Only)</p>	<p>2-4 lbs./A (1-2 lbs. ai/A)</p> <p>Layby Application Between Rows</p>	<p>Reduce rates proportionately for band layby application. Layby treatments may follow a preplant incorporated application of DEVRINOL 50-DF herbicide.</p> <p>Apply the labeled amount in a band within 24-72 hours after the layby cultivation. Apply as a directed spray to the row middles.</p> <p>Apply to a weed-free soil surface. 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.</p> <p>Restrictions: Do not apply more than 4 pounds per acre (2 lbs. ai/A) per crop cycle. Do not apply more than 4 pounds per acre (2 lbs. ai/A) per application. Do not apply more than 4 pounds per acre (2 lbs. ai/A) per year. Do not apply more than 1 application per year.</p>

TREE NUT AND VINE CROPS

Apply a maximum of once per year.

CROP	USE RATE/ACRE	USE DIRECTIONS AND RESTRICTIONS
Almonds Filberts Pecans	8 lbs./A (4 lbs. ai/A)	Apply to a weed free soil surface. May be applied to newly planted and established crop. Restrictions: Do not apply within 50 days of harvest for filberts or pecans. Do not apply more than 8 pounds per acre (4 lbs. ai/A) per crop cycle. Do not apply more than 8 pounds per acre (4 lbs. ai/A) per application. Do not apply more than 8 pounds per acre (4 lbs. ai/A) per year. Do not apply more than 1 application per year.
Grapes	8 lbs./A (4 lbs. ai/A)	Apply to a weed free soil surface. May be applied to newly planted and established crop. Restrictions: Do not apply within 70 days of harvest. Do not apply more than 8 pounds per acre (4 lbs. ai/A) per crop cycle. Do not apply more than 8 pounds per acre (4 lbs. ai/A) per application. Do not apply more than 8 pounds per acre (4 lbs. ai/A) per year. Do not apply more than 1 application per year.

VEGETABLE CROPS

CROP	USE RATE/ACRE	USE DIRECTIONS AND RESTRICTIONS
Asparagus	8 lbs./A (4 lbs. ai/A)	Apply to a weed free soil surface. Asparagus: may be applied to established crop only. When used on established crops, apply only to stands that have been established for at least one growing season. Restrictions: Do not exceed a maximum application rate of 8 pounds per acre (4 lbs. ai/A) per crop cycle. Do not apply more than 8 pounds per acre (4 lbs. ai/A) per application.

CROP	USE RATE/ACRE	USE DIRECTIONS AND RESTRICTIONS
		<p>Do not apply more than 8 pounds per acre (4 lbs. ai/A) per year. Do not apply more than 1 application per year.</p>
Broccoli (Maine Only)	2-4 lbs./A (1-2 lbs. ai/A)	<p>Apply to weed free surface. May be applied to direct seeded and transplanted crop, preplant incorporated or as a surface spray after planting. Shallow incorporate no deeper than seeding depth or sprinkler irrigate within 24-72 hours using sufficient water to wet the soil to a depth of 4-8 inches. Use the lower rate on light soil (coarse textured-sandy) and the higher rate on heavy soil (fine textured-clay).</p> <p>Restrictions: Do not apply more than 4 pounds per acre (2 lbs. ai/A) per year. Do not exceed a maximum application rate of 4 pounds per acre (2 lbs. ai/A) per crop cycle. Do not apply more than 4 pounds per acre (2 lbs. ai/A) per application. Do not apply more than 1 application per year.</p>
(Arizona and California Only) Broccoli, Brussels Sprouts, Cauliflower	1-2 lbs./A (1/2 – 1 lb. ai/A)	<p>For suppression only 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, preplant incorporated or as a surface spray after planting. Shallow incorporate to a depth of 1-2 inches or sprinkler irrigate within 24-72 hours using sufficient water to wet the soil to a depth of 4-8 inches. Use the lower rate on light soil (coarse textured - sandy) and the higher rate on heavy soil (fine textured - clay).</p> <p>Restrictions: Do not exceed a maximum application rate of 2 pounds per acre (1 lb. ai/A) per crop cycle. Do not apply more than 2 pounds per acre (1 lb. ai/A) per application. Do not apply more than 2 pounds per acre (1 lb. ai/A) per year. Do not apply more than 1 application per year.</p>

CROP	USE RATE/ACRE	USE DIRECTIONS AND RESTRICTIONS
(Northern Region Only) Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Collards, Kale, Mustard Greens	2 lbs./A (1 lb. ai/A)	<p>Apply to a weed free surface. May be applied to direct seeded and transplanted crop, preplant incorporated or as a surface spray after planting. Shallow incorporate no deeper than seeding depth or sprinkler irrigate within 24-72 hours using sufficient water to wet the soil to a depth of 4-8 inches.</p> <p>Restrictions: Do not exceed a maximum application rate of 2 pounds per acre (1 lb. ai/A) per crop cycle. Do not apply more than 2 pounds per acre (1 lb. ai/A) per application. Do not apply more than 2 pounds per acre (1 lb. ai/A) per year. Do not apply more than 1 application per year.</p>
(Pacific Northwest Only) Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Collards, Kale, Mustard Greens	2-4 lbs./A (1-2 lbs. ai/A)	<p>Apply to a weed free surface. May be applied to direct seeded and transplanted crop, preplant incorporated or as a surface spray after planting. Shallow incorporate no deeper than seeding depth or sprinkler irrigate within 24-72 hours using sufficient water to wet the soil to a depth of 4-8 inches. Use the lower rate on light soil (coarse textured - sandy) and the higher rate on heavy soil (fine textured - clay).</p> <p>Restrictions: Do not exceed a maximum application rate of 4 pounds per acre (2 lbs. ai/A) per crop cycle. Do not apply more than 4 pounds per acre (2 lbs. ai/A) per application. Do not apply more than 4 pounds per acre (2 lbs. ai/A) per year. Do not apply more than 1 application per year.</p>
(Southeast Region Only) Broccoli, Brussels Sprouts, Cabbage Cauliflower, Collards, Kale, Mustard Greens	4 lbs./A (2 lbs. ai/A)	<p>Apply to a weed free surface. May be applied to direct seeded and transplanted crop, as a surface spray after planting. Sprinkler irrigate within 24-72 hours using sufficient water to wet the soil to a depth of 4-8 inches.</p> <p>Restrictions: Do not exceed a maximum application rate of 4 pounds per acre (2 lbs. ai/A)</p>

CROP	USE RATE/ACRE	USE DIRECTIONS AND RESTRICTIONS
		<p>per crop cycle. Do not apply more than 4 pounds per acre (2 lbs. ai/A) per application. Do not apply more than 4 pounds per acre (2 lbs. ai/A) per year. Do not apply more than 1 application per year.</p>
(Southwest Region Only) Broccoli, Brussels Sprouts, Cabbage Cauliflower, Collards, Kale, Mustard Greens	2-4 lbs./A (1-2 lbs. ai/A)	<p>Apply to a weed free soil surface. May be applied to direct seeded and transplanted crop, preplant, 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).</p> <p>Restrictions: Do not exceed a maximum application rate of 4 pounds per acre (2 lbs. ai/A) per crop cycle. Do not apply more than 4 pounds per acre (2 lbs. ai/A) per application. Do not apply more than 4 pounds per acre (2 lbs. ai/A) per year. Do not apply more than 1 application per year.</p>
Eggplants	2-4 lbs./A (1-2 lbs. ai/A)	<p>Apply before transplanting, to 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).</p> <p>Restrictions: Do not exceed a maximum application rate of 4 pounds per acre (2 lbs. ai/A) per crop cycle. Do not apply more than 4 pounds per acre (2 lbs. ai/A) per application. Do not apply more than 4 pounds per acre (2 lbs. ai/A) per year. Do not apply more than 1 application per year.</p>
Peppers (including pimento, bell, hot and sweet) Tomatoes	2-4 lbs./A (1-2 lbs. aA)	<p>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).</p> <p>Restrictions: Do not exceed a</p>

CROP	USE RATE/ACRE	USE DIRECTIONS AND RESTRICTIONS
		<p>maximum application rate of 4 pounds per acre (2 lbs. ai/A) per crop cycle. Do not apply more than 4 pounds per acre (2 lbs. ai/A) per application. Do not apply more than 4 pounds per acre (2 lbs. ai/A) per year. Do not apply more than 1 application per year.</p>
<p>Eggplants, Peppers (including pimento, bell, hot and sweet), Tomatoes</p> <p>grown on plastic mulch on plant beds</p>	<p>2-4 lbs./A (1-2 lbs. ai/A)</p> <p>Preplant Incorporated</p>	<p>Apply to a weed free soil before the laying of plastic mulch.</p> <p>If weed pressure is from small seeded annuals, apply to the surface of the bed immediately in front of the laying of the plastic mulch. If soil is dry, water or sprinkler irrigate with sufficient water to wet to a depth of 2 to 4 inches before covering with plastic mulch. Apply the plastic mulch over the treated soil the same day.</p> <p>Restrictions: Do not exceed a maximum application rate of 4 pounds per acre (2 lbs. ai/A) per crop cycle. Do not apply more than 4 pounds per acre (2 lbs. ai/A) per application. Do not apply more than 4 pounds per acre (2 lbs. ai/A) per year. Do not apply more than 1 application per year.</p>
<p>Eggplants, Peppers (including pimento, bell, hot and sweet), Tomatoes</p> <p>grown with plastic mulch on plant beds</p>	<p>4 lbs./A (2 lbs. ai/A)</p> <p>Application between rows of plastic mulch, middles or aisles</p>	<p>Apply to a weed free soil surface between the rows of plastic. Mechanically incorporate or irrigate into the soil to a depth of 1 to 2 inches within 24-72 hours of application.</p> <p>Restrictions: Do not exceed a maximum application rate of 4 pounds per acre (2 lbs. ai/A) per crop cycle. Do not apply more than 4 pounds per acre (2 lbs. ai/A) per application. Do not apply more than 4 pounds per acre (2 lbs. ai/A) per year. Do not apply more than 1 application per year.</p>
<p>Sweet Potatoes</p>	<p>2-4 lbs./A (1-2 lbs. ai/A)</p>	<p>Apply to a weed free soil surface. Use the lower rate on light soil (coarse textured sandy) and the higher rate on heavy soils (fine textured clay).</p>

CROP	USE RATE/ACRE	USE DIRECTIONS AND RESTRICTIONS
		<p>For best results, the treatment must reach the zone of weed seed germination. Shallow incorporate to a depth of 1-2 inches or sprinkler irrigate within 24-72 hours using sufficient overhead irrigation to wet the soil to a depth of 2-4 inches.</p> <p>At Transplanting: (All Regions) Apply the labeled amount of DEVRINOL 50-DF herbicide to the soil surface immediately after transplanting.</p> <p>Plant Beds: (Southeast Region Only) Apply the labeled amount of DEVRINOL 50-DF herbicide to the soil surface after sweet potato roots are covered with soil, but prior to soil cracking and emergence of sweet potato plants.</p> <p>Restrictions: Do not exceed a maximum application rate of 4 pounds per acre (2 lbs. ai/A) per crop cycle. Do not apply more than 4 pounds per acre (2 lbs. ai/A) per application. Do not apply more than 4 pounds per acre (2 lbs. ai/A) per year. Do not apply more than 1 application per year.</p>

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: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling if available, or 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.

**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.

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