

70506-64

5/25/2004

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MAY 25 2004

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

EPA Registration No. 70506-64  
Term of Issuance: conditional  
Name of Pesticide Product: Devrinol 2-EC Selective Herbicide  
Notice of Pesticide:  Registration  Reregistration

United Phosphorous Inc.  
423 Riverview Plaza  
Trenton, NJ 08611

This product is conditionally registered in accordance with Section 3(c)(7) of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, provided you make the following label changes:

For "Panel 1" and "Label Booklet":

1. Under "Precautionary Statements";

Add "irreversible" between "Causes" and "eye damages."

2. Under "Environmental Hazards";

Add "rinsate" after "equipment washwaters.."

3. Add the following statements:

"EPA Reg. No. 70506-64" and "EPA Est. No. 70506-XX-XX."

For "Label Booklet" only:

1. Under "Directions for Use";

Add the following spray drift control statements:

- Do not allow spray to drift from the application site and contact people, structures people occupy at any time and the associated property, parks and recreation areas, nontarget crops, aquatic and wetland areas, woodlands, pastures, rangelands, or animals."
- For ground boom applications, apply with nozzle height no more than 4 feet above the ground or crop canopy and when wind speed is 10 mph or less at the application site as measured by an anemometer. Use (registrant to fill in blank

- with spray quality, e.g., fine or medium) or coarser spray according to ASAE 572 definition for standard nozzles or VMD for spinning atomizer nozzles.
  - For orchard/vineyard airblast applications, do not direct spray above trees/vines and turn off outward pointing nozzles at row ends and outer rows. Apply only when wind speed is 3 -10 mph at the application site as measured by an anemometer outside of the orchard/vineyard on the upwind side.
2. It is recommended that you include the Guidance for Pesticide Registrants on Pesticide Resistance Management Labeling (EPA Pesticide Registration (PR) Notice: 2001-5) as a part of your labeling.
  3. Under "Tank Mix Combinations";

Delete "Tillam 6-E Herbicide Combination" since Tillam 6-E is no longer registered.

In addition, you need to submit the test results of the product storage stability (EPA GRN 830.6317) and corrosion characteristics (EPA GRN 830.6320) for review and acceptance.

A stamped copy of the label is enclosed for your record. Submit one copy of your final printed labeling before you release the product for shipment. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

CONCURRENCES								
INITIAL ▶								
SURNAME ▶	Bien	Tompkins						
DATE ▶	4-13-04	5/26/10						

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[PANEL 1]

**DEVRINOL® 2-EC**  
**Selective Herbicide - Emulsifiable Liquid**

**For use on Tomatoes, Peppers, Strawberries and Tobacco**

**ACTIVE INGREDIENT**

Napropamide (CAS No. 15299-99-7) ..... 24.1%

**INERT INGREDIENTS** ..... 75.9%

**TOTAL** ..... 100.0%

Contains 2 pounds active ingredient per gallon

Contains petroleum distillates.

EPA Reg. No. 70506-AU

EPA Est. No.

**KEEP OUT OF REACH OF CHILDREN**  
**DANGER/PELIGRO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See side panel for first aid statement and precautionary statements.

Manufactured for:  
[LOGO] United Phosphorus, Inc.  
423 Riverview Plaza  
Trenton, NJ 08611  
1-800-247-1557

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

MAY 25 2004

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.

70506-64

Contents: gal

FIRST AID	
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Immediately call a poison control center or doctor.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give any liquid to the person.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	

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**HOT LINE NUMBER**

For 24 Hour Medical Emergency Assistance (Human or Animal)  
call the National Pesticide Information Center 1-800-858-7378.

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

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS & DOMESTIC ANIMALS**

**DANGER/PELIGRO**

Corrosive. Causes eye damage and skin irritation. Do not get in eyes, on skin, or on clothing. Harmful if swallowed or absorbed through the skin.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category H on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants.
- Chemical-resistant gloves, such as Barrier Laminate or Viton  $\geq$  14 mils.
- Shoes plus socks.
- Protective eyewear.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

**User Safety Recommendations**

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

[PANEL 2]

**DEVIRINOL® 2-EC  
Selective Herbicide - Emulsifiable Liquid**

**For use on Tomatoes, Peppers, Strawberries and Tobacco**

[UN code 1993 and triangle for flammable liquid; contains chlorobenzene]

**ENVIRONMENTAL HAZARDS**

Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

**PHYSICAL OR CHEMICAL HAZARDS**

Combustible. Do not use or store near heat or open flame.

**GENERAL USE PRECAUTIONS**

Read all label directions before using.

Use only for recommended purposes at recommended rates. Do not overdose.

Do not contaminate irrigation water or water used for domestic purposes.

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

Do not store near seeds or fertilizer.

Do not apply this product through any type of irrigation system.

Do not apply more than once per season.

DEVIRINOL 2-EC is recommended for use on mineral soils only. Not recommended for use on soils with over 10% organic matter. Spraying on ground heavily covered with leaves or trash may adversely affect weed control.

**DIRECTIONS FOR USE**

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

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. Refer to supplemental labeling (i.e., attached booklet) under "AGRICULTURAL USE REQUIREMENTS" in the DIRECTIONS FOR USE section for information about this standard.

Refer to attached booklet for use directions.

**STORAGE AND DISPOSAL**

**PROHIBITIONS:** Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Do not reuse container.

**PESTICIDE STORAGE:** Store in a cool dry place. Do not store below 20°F. Keep container closed when not in use.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label directions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

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[PANEL 3]

**CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY**

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

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

United Phosphorus warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or United Phosphorus, and Buyer and User assume the risk of any such use. **UNITED PHOSPHORUS MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.**

In no event shall United Phosphorus or Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF UNITED PHOSPHORUS AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF UNITED PHOSPHORUS OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

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

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Manufactured for:  
[LOGO] United Phosphorus, Inc.  
423 Riverview Plaza  
Trenton, NJ 08611  
1-800-247-1557  
www.upi-usa.com

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**GENERAL USE PRECAUTIONS**

- Read all label directions before using.
- Use only for recommended purposes at recommended rates. Do not overdose.
- Do not apply more than once per season.
- Do not apply when weather conditions favor drift from areas treated.
- DEVIRINOL 2-EC is recommended for use on mineral soils only. Not recommended for use on soils with over 10% organic matter. Spraying on ground heavily covered with leaves or trash may adversely affect weed control.
- Do not apply this product through any type of irrigation system.
- Do not contaminate irrigation water or water used for domestic purposes.
- Do not store near seeds or fertilizer.

**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 12 hours.** Exception: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls.
- Chemical-resistant gloves, such as Barrier Laminate or Viton  $\geq$  14 mils.
- Shoes plus socks.
- Protective eyewear.

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

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## GENERAL INFORMATION

Devrinol 2-EC is a selective, surface-applied herbicide for use in strawberries. It is also recommended for weed control in tomatoes, peppers, and tobacco, applied and incorporated prior to planting.

Devrinol 2-EC controls weeds before they emerge. It does not control established weeds. All weed growth and crop stubble in fields intended for tomatoes and peppers or tobacco 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 free from clogging and are delivering a uniform spray pattern. Apply the recommended rate of Devrinol 2-EC in 20 to 100 gallons of water per acre.

## CROP USE DIRECTIONS

### Strawberries (Post Transplant and Established)

#### Weeds Controlled

Devrinol 2-EC does not control established weeds.

Common Name	Scientific Name
<b>Annual Grasses:</b>	
Annual Bluegrass	<i>Poa annua</i>
Barnyardgrass – Watergrass	<i>Echinochloa</i> spp.
Bristly Foxtail	<i>Setaria verticilla</i>
Large (Hairy) Crabgrass	<i>Digitaria sanguinalis</i>
Ripgut Brome	<i>Bromus rigidus</i>
Southwestern Cupgrass	<i>Eriochloa gracilis</i>
Wild Barley	<i>Hordeum leporinum</i>
Wild Oats	<i>Avena fatua</i>
<b>Annual Broadleaf Weeds:</b>	
Chickweed	<i>Stellaria media</i>
Common Fiddleneck	<i>Amsinckia intermedia</i>
Common Knotweed	<i>Polygonum aviculare</i>
Common Purslane	<i>Portulaca oleracea</i>
Common Sowthistle	<i>Sonchus oleraceus</i>
Filaree	<i>Erodium</i> spp.
Groundsel	<i>Senecio</i> spp.
Little Mallow*	<i>Malva parviflora</i>
Lambsquarters	<i>Chenopodium album</i>
Pineappleweed	<i>Matricaria matricarioides</i>

Common Name	Scientific Name
Prickly Lettuce	<i>Lactuca scariola</i>
Redroot Pigweed	<i>Amaranthus retroflexus</i>

\*From seed.

**NOTE:** All rates given below are broadcast rates. Reduce rates proportionately for band or strip treatment.

For control of all weeds listed above, apply 2 gallons (8 quarts) Devrinol 2-EC per broadcast acre to the soil surface. Apply in the fall through early spring, prior to weed emergence. Do not apply Devrinol 2-EC to frozen ground. Do not apply Devrinol 2-EC from bloom through harvest. For best results, the treatment must reach the zone of weed seed germination. Treatments made other than in November through February must be irrigated-in within 24 hours (sprinkler or flood) with sufficient water to wet the soil to a depth of at least 2 to 4 inches. Irrigation or shallow incorporation is recommended for treatments made from November through February if no rainfall occurs within one week of application.

Options for Strawberries Grown on Plastic Mulch on Plant Beds:

1. For **plant bed treatment** for new plantings, preplant incorporate 2 gallons (8 quarts) Devrinol 2-EC 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 hours of application before laying of plastic mulch using equipment, which will result in uniform incorporation of the herbicide to desired depth. If weed pressure is from small seeded annuals apply 2 gallons (8 quarts) of Devrinol 2-EC on 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.
2. For **application between rows** of plastic mulch (middles or aisles), using a shielded sprayer or properly spaced drop nozzles, apply up to 2 gallons (8 quarts) per acre of Devrinol 2-EC on a broadcast basis to a weed-free soil surface between the rows of plastic. Mechanically incorporate or irrigate Devrinol 2-EC into the soil to a depth of 1 to 2 inches within 24 hours of application. In the event or emerged weed growth being present, tank mix up to 2 gallons (8 quarts) of Devrinol 2-EC with the correct amount of Gramoxone Extra to get burndown and residual control. Do not apply Devrinol 2-EC between bloom and harvest.

### Tomatoes, Peppers, and Tobacco

#### Weeds Controlled

Devrinol 2-EC does not control established weeds.

Common Name	Scientific Name
<b>Annual Grasses:</b>	
Barnyardgrass	<i>Echinochloa</i> spp.
Crabgrass	<i>Digitaria</i> spp.
Fall Panicum	<i>Panicum dichotomiflorum</i>
Goosegrass	<i>Eleusine indica</i>
Seedling Johnsongrass	<i>Sorghum halepense</i>
<b>Annual Broadleaf Weeds:</b>	

Carpetweed	<i>Mollugo verticillata</i>
Common Purslane	<i>Portulaca oleracea</i>
Lambsquarters	<i>Chenopodium album</i>
Redroot Pigweed	<i>Amaranthus retroflexus</i>

**Use Directions**

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 within 24 hours of application, using equipment which will result in uniform incorporation of the herbicide to the desired depth.

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

To avoid injury, do not seed to alfalfa, small grains, sorghum, corn, lettuce or sugar beets for 12 months after Devrinol 2-EC application.

**Tomatoes and Peppers (Direct Seeded and Transplanted)**

Devrinol 2-EC can be applied and mixed (incorporated) into the soil before planting for weed control on seeded or transplanted tomatoes or peppers, or it can be applied as a surface application before laying plastic mulch. Devrinol 2-EC 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. Refer to the list of weeds controlled.

The soil should be well-worked and dry enough to permit good soil mixing (incorporation). Pour the recommended amounts of Devrinol 2-EC into a spray tank during the filling operations.

**IMPORTANT:** 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 or on soils which experienced heavy weed infestation the prior year.

**RESTRICTION:** Make only one application per season.

All rates given below are broadcast rates. Reduce rates proportionately for band or strip treatment.

Apply 1/2 to 1 gallon (2 to 4 quarts) Devrinol 2-EC per broadcast acre.

**Options for Tomatoes and Peppers (Direct Seeded and Transplanted) Grown in Beds with Plastic Mulch:**

1. For incorporated treatments with plastic mulch, apply 1/2 to 1 gallon (2 to 4 quarts) Devrinol 2-EC per acre before bedding and incorporate. Use the higher rate for heavier soils and for soils which experienced heavy weed infestation the prior year. Apply to well worked soil that is dry enough to permit thorough incorporation to a depth of 2 to 4 inches, then form beds. Incorporate within 24 hours of application using equipment which will result in uniform incorporation of the herbicide to the desired depth.
2. For surface treatments where plastic is used, apply 1/2 to 1 gallon (2 to 4 quarts) Devrinol 2-EC as a surface application to the bed tops after bedding but before plastic application. Use

the higher rate for heavier soils and for soils which experienced heavy weed infestation the prior year.

3. For use between beds where plastic mulch is used, apply 1 gallon (4 quarts) Devrinol 2-EC per broadcast acre as a surface application between beds. Rainfall and/or overhead irrigation sufficient to wet soil to 1 inch depth should follow treatment within 24 hours.

#### **Tobacco (Transplanted)**

Before transplanting, apply ½ to 1 gallon (2 to 4 quarts) Devrinol 2-EC per broadcast acre. Use the lower rate on light soils (coarse textured - sandy) and the higher rate on heavy soil (fine textured - clay) and for soils which experienced heavy weed infestation the prior year.

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## **TANKMIX COMBINATIONS**

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### **Tillam® 6-E Herbicide Combination – Tomatoes and Tobacco**

A tankmix combination of Devrinol 2-EC and Tillam 6-E Herbicide can be applied and mixed (incorporated) into the soil before planting for weed control in tomatoes and tobacco.

#### **IMPORTANT:**

- Observe all cautions and limitations on labeling of all products used in combination.
- Make only one application per season.
- 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 and for soils which experienced heavy weed infestation the prior year.
- After harvest or prior to planting of succeeding crops, a deep moldboard or disc plowing operation must be carried out.
- To avoid injury, do not seed to alfalfa, small grains, sorghum, corn, lettuce or sugar beets for 12 months after application of Devrinol 2-EC/Tillam 6-E tankmix.

The tankmix is recommended for control of the following weeds:

Common Name	Scientific Name
<b>Annual Grasses:</b>	
Barnyardgrass - Watergrass	<i>Echinochloa</i> spp.
Bermudagrass	<i>Cynodon dactylon</i>
Crabgrass	<i>Digitaria</i> spp.
Foxtail - yellow, giant, green	<i>Setaria</i> spp.
Goosegrass	<i>Eleusine indica</i>
Millet	<i>Setaria</i> spp.
Signalgrass	<i>Brachiaria piligera</i>
Wild Oats	<i>Avena fatua</i>
<b>Annual Broadleaf Weeds:</b>	
Blackeyed Susan; Sweet Suzy	<i>Rudbeckia serotina</i>
Common Purslane	<i>Portulaca oleracea</i>
Deadnettle; Henbit	<i>Lamium amplexicaule</i>
Florida Pusley	<i>Richardia scabra</i>
Hairy Nightshade	<i>Solanum villosum</i>
Lambsquarters	<i>Chenopodium album</i>
Nettleleaf Goosefoot	<i>Chenopodium murale</i>
Prostrate Pigweed	<i>Amaranthus graecizans</i>
Redroot Pigweed	<i>Amaranthus retroflexus</i>
Shepherdspurse	<i>Capsella bursa-pastoris</i>
<b>Perennial Weeds:</b>	
Yellow Nutsedge (Yellow Nutgrass)	<i>Cyperus esculentus</i>
Purple Nutsedge (Purple Nutgrass)	<i>Cyperus rotundus</i>

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

The recommended tankmix 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.

#### Mixing Directions

Be sure the sprayer tank, boom and nozzle have been thoroughly flushed with clean water if another pesticide has been used previously.

Sufficient jet or mechanical agitation should be provided during the filling operation and during application. Fill the spray tank at least one-fourth full of clean water and while pump and agitator are

running, add the recommended amounts of the herbicides to the tank. Fill the tank with water to desired level. Do not allow the mixture to stand in the spray tank without agitation.

Allow the pump to run several minutes before application to insure proper suspension and mixing. The tankmix should not be left in the spray tank for prolonged periods; batches should be mixed and applied the same day.

**Application Directions**

The soil should be well worked and dry enough to permit good soil mixing (incorporation). Pour the recommended amounts of Devrinol 2-EC and Tillam 6-E into a spray tank during the filling operations. Apply in 25 to 50 gallons of water per acre.

For soil incorporated 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 use 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. Whenever 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 two to three inches in coarse soils and three to four inches in heavy soils OR a tandem disc set to cut to a depth of six inches, followed by a spike-toothed 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 two to three inches OR, on coarse soils only, ground-driven tillers (rolling cultivators, rotary hoe, row wheels, etc.) set to cut to a depth of 1½ inches and operated at 6 to 8 mph. When using ground-driven tillers, pre-cultivate if soil is crusted.

**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 tankmix has been banded in the row, use shields to prevent the movement of untreated soil into the treated row.

**Application Rate for Tomatoes [Direct Seeded (California Only) and Transplant]**

Apply ½ to 1 gallon (2 to 4 quarts) Devrinol 2-EC plus 2-2/3 to 4 quarts Tillam 6-E per broadcast acre. Use the lower rates on light soils (coarse textured - sandy). Use the higher rate on heavy soils (fine textured - clay) and for soils which experienced heavy weed infestation the prior year. Do not use hotcaps on transplanted tomatoes.

**Application Rate for Tobacco (Transplanted)**

Before transplanting, apply ½ gallon (2 quarts) Devrinol 2-EC plus 2-2/3 quarts Tillam 6-E per broadcast acre.

**STORAGE AND DISPOSAL**

**PROHIBITIONS:** Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Do not reuse container.

**PESTICIDE STORAGE:** Store in a cool dry place. Do not store below 20°F. Keep container closed when not in use.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label directions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.



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