

Agricultural Chemicals Division

Department of Agriculture  
Washington, D.C. 20250



**Diamond Shamrock**

SUPPLEMENTAL LABELLING

MCPD-D-4  
(EPA Reg. No. 677-442)

SPRAY TANK MIXTURE OF 6 1982

DIRECTIONS FOR USE

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

MCPD-D-4 may be tank-mixed with either AMINE 4D or AMINE 6D to increase the spectrum of activity for control of weeds in bluegrass, fescue, and Bermudagrass turf. Many broadleaf weeds are controlled by either combination, including:

SUSCEPTIBLE

Beggartick	Henbit	Pusley, Florida
Bindweed	Jimsonweed	Ragweed
Bitterweed	Knotweed	Russian thistle
Bull thistle	Kochia	Shepherdspurse
Burdock	Lambsquarters	Sicklepod
Canada thistle	Mallow	Smartweed
Carpetweed	Marshelder	Sow thistle, annual
Chicory	Morningglory	Sunflower
Clover	Musk thistle	Tumbleweed
Cocklebur	Mustards	Velvetleaf
Coffeeweed	Nettle, stinging	Vetch
Chickweed (common and mouse-ear)	Pennycress	Wild carrot
Dandelion	Pennywort	Wild garlic
Dock	Peppercress	Wild hemp
Galinsoga	Pigweed	Wild onion
Goldenrod	Plantain	Wild radish
	Puncturevine	Witchweed
		Yellow rocket

WARNING: This product contains a chemical which is known to be carcinogenic. Avoid contact with skin and eyes. Do not breathe dust or fumes. Wash thoroughly after use. Do not eat, drink, or smoke while using this product. Do not use in residential areas. Do not use on lawns, lawns, or other areas where children or pets may be present. Do not use on crops or other plants that are intended for human consumption. Do not use on crops or other plants that are intended for animal consumption. Do not use on crops or other plants that are intended for human or animal consumption.

MODERATELY SUSCEPTIBLE

Black medick  
Purslane  
Speedwell  
Yarrow

AMOUNT PER ACRE

<u>Tank Mixture</u>	
Amine 4D	2 to 3 pts
+	
*MCP-P-4	2 1/2 to 4 pts
or	
Amine 6D	1 1/3 to 2 pts
+	
*MCP-P-4	2 1/2 to 4 pts

\* Use the higher rate when moderately-susceptible weeds are present.

DO NOT apply to newly-seeded lawns until grasses become well-established. Injury may result if applied to bentgrass, St. Augustinegrass, carpetgrass, centipede grass and Dichondra.

*all labels involved*

NOTE: It is important to read and observe the cautionary statements and all other information appearing on the MCP-P-4 label. Use only as directed.

NOTE: This labeling must be in the possession of the user at the time of pesticide application.

FRONT PANEL ✓

NET CONTENTS

GALLONS/LITERS

(LOGO) <sup>CS</sup>

MCPP-D-4

TURF CARE <sup>TM</sup>

HERBICIDE

ACTIVE INGREDIENT:	Dimethylamine salt of 2-(2-methyl-4-chlorophenoxy) propionic acid # . . . . .	51.9%
INERT INGREDIENTS:	. . . . .	48.1%
TOTAL:	. . . . .	100.0%

\* Dimethylamine salt of 2-(2-methyl-4-chlorophenoxy) propionic acid equivalent: 42.9%, 4 lbs/gal.

(12 pt. type)	KEEP OUT OF REACH OF CHILDREN	(12 pt. type)
(18 pt. type)	CAUTION	(18 pt. type)
(12 pt. type)	Only for Sale To, Use and Storage by Lawn-care and Landscaping Personnel or Commercial Applicators	(12 pt. type)

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

DIAMOND SHAMROCK CORPORATION  
Agricultural Chemicals Division  
Cleveland, Ohio 44114

LEFT PANEL

PRECAUTIONARY STATEMENTS

HAZARD TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed or absorbed through the skin. Causes eye and skin irritation. Avoid breathing spray mist. Avoid contact with eyes, skin or clothing.

If swallowed, induce vomiting immediately by giving two glasses of water and sticking finger down throat. Never give anything by mouth to an unconscious person. Seek medical attention.

In case of contact, flush eyes with plenty of water for at least 15 minutes. Seek medical attention.

Wash exposed skin gently with plenty of soap and water.

ENVIRONMENTAL HAZARDS

DO NOT apply directly to water. DO NOT contaminate water by cleaning of equipment or disposal of wastes. Use care to avoid spray contact or drift to susceptible plants such as beans and other legumes, cotton, flowers, grapes, ornamentals, vegetables and other plants. DO NOT permit spray mist containing MCPP-D-4 to drift onto them, since even very small quantities of the spray, which may not be visible, can cause severe injury during both growing and dormant periods. DO NOT spray when the wind is blowing towards susceptible crops or ornamental plants. Use coarse sprays to minimize drift. Spray drift can be lessened by keeping the spray boom as low as possible; by applying 20 gallons or more of spray per acre; by using no more than 20 pounds spraying pressure with flat fan or flooding flat fan nozzle tips; by spraying when wind velocity is low; and by stopping all spraying when wind exceeds 8 miles per hour. DO NOT apply with hollow cone-type insecticide or other nozzles that produce a fine droplet spray. Flush sprayer out on suitable non-crop area after use. DO NOT use the spray equipment for applying other materials to susceptible crops as injury may result.

617 247  
MCPD-D-4

Read entire label before using this product.

#### GENERAL INFORMATION

MCPD-D-4 may be used on ornamental turf grasses with greater safety than 2,4-D, 2,4,5-T and Silvex. This herbicide is safe to use on Washington, Toronto and Seaside bentgrasses, Kentucky and Merion bluegrasses. Apply MCPD-D-4 on a warm calm day when weeds are growing vigorously. Use any suitable sprayer or watering can with fine nose to give a uniform cover of the weeds. MCPD-D-4 may be combined with commonly used turf fertilizers. (See Preparation of the Spray for mixing with fertilizers). Although this herbicide is relatively slow in action it gives a superior result on the more difficult to control weeds such as:

#### SUSCEPTIBLE WEEDS

Controlled by 2½ pints MCPD-D-4 per acre.

Clover	Pigweed
Common chickweed	Plantain
Lambsquarters	Ragweed
Mouse-ear chickweed	

#### LESS SUSCEPTIBLE WEEDS

Controlled by 4 pints MCPD-D-4 per acre. Repeat applications at half the recommended dosage may give better control.

Black medic	Purslane
Knotweed	Speedwell
Morningglory	Yarrow

NOTE: Local conditions, crop varieties and application regulations vary and may affect use of this herbicide. Consult local agricultural experiment station or extension service weed specialists and state regulatory agencies for recommendations in your area.

NOTE: When stored at temperatures below freezing, it may be necessary to warm contents to 45°F and mix thoroughly before using.

1, 11 2-4-7  
DIRECTIONS FOR USE

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

Preparation of the Spray: Fill half the spray tank with water; then add the required amount of MCPD-D-4. Mix thoroughly, adding the remainder of water during the operation.

Rate of Use	Per 1,000 sq. ft.	Per Acre
Established greens:	1 fluid oz in 2½ gallons of water	2½ pints in 20-40 gallons of water
Established lawns, golf fairways	1½ fluid oz in 2½ gallons of water	4 pints

MIXING WITH LIQUID FERTILIZERS: MCPD-D-4 may be tank mixed with most commonly used turf fertilizers. Since the fertilizers will settle out on standing, thoroughly agitate the mixture before spraying is resumed.

Time of Application: To obtain the best results MCPD-D-4 must be applied when the weeds are most susceptible and conditions are such that no damage to the grasses will occur. Apply MCPD-D-4 when the weeds are growing vigorously. During periods of drought weeds become more resistant to herbicides. Under the same conditions fine grasses are more susceptible to MCPD-D-4 particularly when temperatures exceed 90°F. This chemical is absorbed by the foliage of broadleaf weeds and is translocated throughout the whole plant to roots etc. where it eventually causes death of the plant. DO NOT cut or mow the lawn 2-3 days before or after treatment so that maximum uptake and translocation can occur. DO NOT spray if rain is likely otherwise the chemical may be washed off before absorption has taken place. For the same reason DO NOT water the lawn for at least 24 hours after application.

677-442

MCPD-D-4 (Spray Tank Mixture): MCPD-D-4 may be tank-mixed with either Amine 4D or Amine 6D to increase the spectrum of activity for control of weeds in bluegrass, fescue and Bermudagrass turf. Many broadleaf weeds are controlled by either combination, including:

SUSCEPTIBLE WEEDS

- |                        |                  |                     |
|------------------------|------------------|---------------------|
| Beggartick             | Henbit           | Pusley, Florida     |
| Bindweed               | Jimsonweed       | Ragweed             |
| Bitterweed             | Knotweed         | Russian thistle     |
| Bull thistle           | Kochia           | Shepherdspurse      |
| Burdock                | Lambsquarters    | Sicklepod           |
| Canada thistle         | Mallow           | Smartweed           |
| Carpetweed             | Marshelder       | Sow thistle, annual |
| Chicory                | Morningglory     | Sunflower           |
| Clover                 | Musk thistle     | Tumbleweed          |
| Cocklebur              | Mustards         | Velvetleaf          |
| Coffeeweed             | Nettle, stinging | Vetch               |
| Chickweed              | Pennycress       | Wild carrot         |
| (Common and mouse-ear) | Pennywort        | Wild garlic         |
| Dandelion              | Peppergrass      | Wild hemp           |
| Dock                   | Pigweed          | Wild onion          |
| Galinsoga              | Plantain         | Wild radish         |
| Goldenrod              | Puncturevine     | Witchweed           |
|                        |                  | Yellow rocket       |

LESS SUSCEPTIBLE WEEDS

- Black medic
- Purslane
- Speedwell
- Yarrow

AMOUNT PER ACRE

<u>Tank Mixture</u>	
✓ Amine 4D	2 to 3 pts
+ ✓ *MCPD-D-4	2 ½ to 4 pts
or	
✓ Amine 6D	1 1/3 to 2 pts
+ ✓ *MCPD-D-4	2½ to 4 pts

\* Use the higher rate when moderately-susceptible weeds are present.

✓ Better control of the weeds classified as Less Susceptible Weeds may be obtained with repeat applications of half the recommended dose carried out at not less than monthly intervals.

✓ MCPP-D-4 is not recommended for St. Augustinegrass and Centipedegrass, as it can cause damage to these species. DO NOT use MCPP-D-4 on newly sown lawns or turf for six months after planting. Avoid drift onto other plants and do not use the first cuttings after treatment as a mulch for flowers and vegetables.

#### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

✓ PESTICIDE DISPOSAL: Pesticide, spray mixture or rinsate that cannot be used according to label instructions must be disposed of according to Federal, State or local procedures under the Resource Conservation and Recovery Act.

CONTAINER DISPOSAL: DO NOT reuse empty container. Triple rinse (or equivalent) and offer for recycling or reconditioning or dispose of in a sanitary landfill, or by other approved State and local procedures.

#### WARRANTY AND LIMITATION OF DAMAGES

✓ Seller warrants that this material conforms to its chemical description and is reasonable for the purposes stated on the label when used in accordance with directions under normal conditions of use and Buyer assumes the risk of any use contrary to such directions. SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY, INCLUDING ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR OF MERCHANTABILITY, AND NO AGENT OF SELLER IS AUTHORIZED TO DO SO EXCEPT IN WRITING WITH A SPECIFIC REFERENCE TO THIS WARRANTY. In no event shall Seller's liability for any breach of warranty exceed the purchase price of the material as to which a claim is made.

EPA Est. No.



DEC 3 1982

Ms. Nancy Berg  
Diamond Shamrock Corp.  
1100 Superior Avenue  
Cleveland, OH 44116

Dear Ms. Berg:

Subject: Added Tank Mixes: 2,4-D and Liquid Fertilizer MCPP-L-4  
EPA Registration No. 677-442  
Your Submission Dated November 19, 1982

The amendment referred to above, submitted in connection with registration under FIFRA sec. 3(c)(7)(A), is acceptable, provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:
  - a. Add instructions for a compatibility test for use of liquid fertilizer with this product. Alternatively, add more specific instructions as to which liquid turf fertilizers can or cannot be used with this product.
  - b. Under General Information, delete the references to 2,4,5-T and Silvex. These pesticides are no longer legally used on turf. We regret this point was not made in the initial review of this product.
  - c. Under the tank mix directions, change the NOTE, to refer to cautionary statements and other information on all pesticides used in the tank mixtures.
3. Submit five (5) copies 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 sec. 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Sincerely yours,

Richard F. Mountfort  
Product Manager (23)  
Fungicide-Herbicide Branch  
Registration Division (TS-767)

Enclosure