

Net Contents 30 Gallons/113.6 Liters



Diamond Shamrock

# Amine 4D

Herbicide

Active Ingredient	4.4
Inert Ingredients	55.6
Total	60.0

Keep Out of Reach of Children

**CAUTION**

Only for Sale To Use and Storage by Agricultural Personnel or Commercial Applicators

Diamond Shamrock Corporation

## Precautionary Statements Hazards 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

Wash thoroughly after handling

Keep container closed

If swallowed have conscious person drink several glasses of water, then induce vomiting by tickling back of throat with finger. Keep airway clear. Never give anything by mouth to an unconscious person. Seek medical attention.

In case of contact:

—immediately flush eyes with plenty of water for at least 15 minutes holding eyelids apart to ensure flushing of the entire surface. Seek medical attention.

—wash exposed skin gently with plenty of soap and water. Seek medical attention.

### Environmental Hazards

**Do not apply directly to water** except where labeled for aquatic uses. **Do not** contaminate water by cleaning of equipment or disposal of wastes. **Do not** contaminate irrigation ditches or water used for domestic purposes except as specifically recommended on this labeling. Use care to avoid spray contact or drift to 2,4-D susceptible plants such as cotton, tomatoes, flowers, grapes, fruit trees and ornamentals. **Do not** permit spray mist containing **Amine 4D** 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. With ground equipment 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. With aircraft application drift can be lessened by applying not less than 5 gallons of spray per acre, by using no more than 20 pounds spray pressure at the nozzles, by using nozzles which produce a coarse spray pattern and by spraying only when the wind velocity is less than 5 miles per hour. Flush sprayer out on suitable non-crop area after use. **Do not** use the same spray equipment for applying other materials to 2,4-D susceptible crops as injury may result.

## Amine 4D

Read entire label before using this product.

### General Information

**Amine 4D** is a selective herbicide recommended for the control of many broadleaved weeds in crops, along fence rows, around farm buildings and similar areas. This product also can be used on lawns, golf courses, parks and other similar areas without injury to most grasses. **Amine 4D** may be combined with liquid nitrogen fertilizer suitable for foliar application for weed control and fertilizing corn, small grains, sorghum and pasture grasses in one operation. (See Preparation of the Spray for mixing with Liquid Nitrogen Fertilizer).

The following is a partial list of weeds controlled by **Amine 4D**:

Beggartick	Knotweed	Ragweed
Bindweed	Kochia	Russian thistle
Bitterweed	Lambsquarters	Shepherdspurse
Bull thistle	Mallow	Sicklepod
Burdock	Marshelder	Smartweed
Canada thistle	Morningglory	Sowthistle annual
Carpeweed	Musk thistle	Sunflower
Chicory	Mustards	Tumbleweed
Cocklebur	Nettle, stinging	Velvetleaf
Cotoneeweed	Pennycress	Vetch
Dandelion	Perennwort	Wild carrot
Dock	Peppergrass	Wild garlic
Galinsoga	Pigweed	Wild hemp
Goldenrod	Plantain	Wild onion
Henbit	Puncturevine	Wild radish
Jimsonweed	Pusley, Florida	Witchweed
		Yellow rocket

**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.

Aerial application may be of use for control of weeds on certain crops where there would be no danger of drift to susceptible crops. Applications should only be made by applicators experienced in the use of 2,4-D formulations. Regulations governing aerial application of herbicides are in effect in many states. Consult local regulatory agencies concerning requirements before making applications.

**Treating Small Areas:** One tablespoonful of **Amine 4D** in 1 1/2 gallons of water is about equal to 1 quart in 100 gallons.

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

EPA Est. No.

## 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 the spray tank with half the required amount of water, then add the recommended amount of **Amine 4D** and continue filling spray tank with balance of water. Keep agitator running when filling spray tank and during spray operations. Use enough spray volume for uniform coverage by ground or air application. In any case use the same amount of 2,4-D recommended per acre. For crop uses, **do not** mix with oil, surfactant or other adjuvants unless specifically recommended on this label as this may reduce selectivity to crops resulting in crop damage.

**Mixing with Liquid Fertilizers:** Use **Amine 4D** in accordance with recommendation for these crops on this label. Use the liquid fertilizer at rates recommended by supplier or extension service specialist. To prepare the spray, either one of two mixing procedures may be used. **Procedure No. 1** - Mix one part **Amine 4D** with 8 parts of water in the spray tank. Maintaining continuous agitation, add the liquid nitrogen fertilizer and the required amount of water to give the recommended spray volume per acre, or **Procedure No. 2** - Add the liquid nitrogen fertilizer to the spray tank. Prepare a premix of 1 part **Amine 4D** and 8 parts of water. Maintaining continuous agitation, add the premix and the required amount of water necessary to give recommended spray volume per acre. Apply the spray the same day it is prepared. **Do not** store. **NOTE: Always premix **Amine 4D** with water before mixing with liquid fertilizer.**

**Time of Application:** Best results are obtained when **Amine 4D** is used on young weeds that are actively growing. Applications of lower recommended rates to susceptible annual weeds usually will be satisfactory, but for perennial weeds and other conditions, such as in very dry areas where control is difficult, use higher recommended rates. When used as a selective spray on crops, the stage of growth of the crop must be considered. Some woody plants and weeds are hard to control and repeat applications may be necessary.

**Small Grains (Wheat, Barley, Rye):** Apply **Amine 4D** on small grains when fully tillered or stooled (4 to 8 inches tall), but before the "boot" stage. Crop injury may result if applied earlier than "tiller" or from early "boot" through the "milk" stage. **Do not** use on grain undersown with legumes, such as alfalfa or clovers. **Do not** graze or feed forage from treated fields within 2 weeks after treatment. See chart for recommended rates. For late season use to control large succulent weeds, apply 1 to 2 pints per acre on small grain from dough stage to harvest - use only when weeds threaten to interfere with harvest operations. **Do not** use treated straw for livestock feed. For aerial application, use **Amine 4D** at the rate of 1/2 to 1 pint in 1 to 10 gallons of water per acre. Use spray volumes of less than 5 gallons per acre only where drift to susceptible crops can be avoided.

**Rice:** Apply 1 1/2 to 2 1/2 pints **Amine 4D** when rice development is in the late tillering stage, at the time of first joint development (first to second green ring).

usually 6 to 9 weeks after emergence. **Do not** apply after panicle initiation after rice internodes exceed 1/2 inch, at early seeding, early panicle boot flowering or early heading growth stages. **Note:** Some rice varieties under certain conditions can be injured by 2,4-D.

**Corn Postemergence** - Apply **Amine 4D** from emergence to tasseling. When spraying corn above 10 inches in height, use nozzle extensions ("corn drops"), directing the spray at base of the corn plant to keep the spray off the leaves as much as possible.

**Do not** apply from tassel emergence to dough stage. Crop injury is more likely to occur if corn is growing rapidly under high temperature and high soil moisture conditions. Under such conditions, use the lowest recommended rate. Delay cultivation for 8 to 10 days after application to reduce stalk breakage resulting from temporary brittleness caused by 2,4-D. Consult local agricultural experiment station or extension service weed specialists regarding the use of 2,4-D on your specific hybrid. See chart for recommended rates. Hybrids may vary in tolerance to 2,4-D.

**Sorghum:** Apply **Amine 4D** when sorghum plants are 6 to 12 inches tall and secondary roots are well established. Use drop nozzles when crop is over 10 inches tall. **Do not** apply from flowering to dough stage. See chart for recommended rates.

**Sugarcane:** Apply as a preemergence application before canes appear or as a postemergence application in spring after cane emerges and through layby. See chart for recommended rates.

**Amount of Amine 4D per Acre**

Crop (See Detailed Directions Above)	For Average Conditions	For Dry Conditions as in Western States*
Wheat, Barley, Rye		
Annual Weeds	1/2 to 1 pint	1 to 2 pints
Perennial Weeds	1 pint	1 1/2 to 2 pints
Corn**		
Postemergence	1/2 to 1 pint	1 to 1 1/2 pint
Sorghum**		
Postemergence	1 pint	1 to 1 1/2 pint
Sugarcane	1 to 2 quarts	

\*These higher rates in a minimum of 5 gallons of spray may be needed to control difficult weed problems in certain areas, such as under dry conditions especially in western areas. Consult State Agricultural Experiment Station or Extension Service Weed Specialists for recommendations or suggestions to fit local conditions.

\*\*If any rows or bands are treated, leaving others untreated, reduce suggested rate per acre to that proportionate to the ground area actually sprayed.

**Pastures:** To control many broadleaved weeds in pastures, meadows and rangelands, use 2 to 3 pints per acre of **Amine 4D**. Treat pastures when weeds are growing actively. **Do not** apply to newly-seeded pastures until grass is well established or after heading begins. **Do not** apply when grass is in boot to milk stage if grass seed production is desired. Most legumes are usually injured or controlled at the rates recommended. **Do not** graze dairy animals on treated areas within 7 days after treatment.

**Lawns, Golf Courses and Similar Turf:** Apply 2 to 3 pints of **Amine 4D** per acre in sufficient water to provide uniform coverage. **Amine 4D - MCPP-K-4** (Tank Mixture) - **Amine 4D** may be tank-mixed with **MCPP-K-4** to increase the spectrum of activity for control of weeds in bluegrass, fescue, Bermudagrass and bentgrass in fairways. Most broadleaf weeds are controlled by this combination, including:

**Susceptible**

- |                  |                     |
|------------------|---------------------|
| Dandelions       | Mouse-ear chickweed |
| Clovers          | Pigweed             |
| Common chickweed | Plantain            |
| Dock             | Ragweed             |
| Knotweed         | Wild garlic         |
| Lambsquarters    |                     |

**Moderately Susceptible**

- |               |             |
|---------------|-------------|
| Black medic   | Speedwell   |
| English daisy | Wood sorrel |
| Purslane      |             |

**Amount Per Acre**

Amine 4D	MCPP-K-4*
2 to 3 pts	2 1/2 to 4 pts

\*Use the higher rate when moderate 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, Dichondra and clovers.

**General Weed Control:** Along fence rows, ditchbanks, around farm buildings and similar areas, use 2 to 3 quarts of **Amine 4D** in 100 gallons of water per acre. Thoroughly wet all foliage to run-off.

**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 reasonably fit 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.

**Agricultural Chemicals Division**

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AMINE 4D

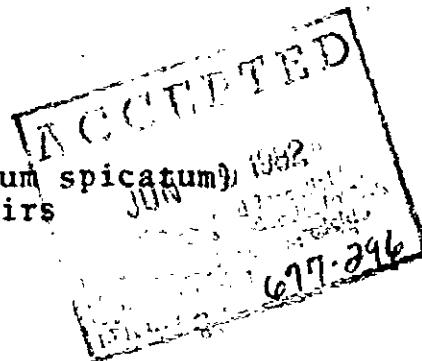


**Diamond Shamrock**

SUPPLEMENTAL LABELING

Amine 4D  
(EPA Reg. No. 677-296)

Control of  
Eurasian Watermilfoil (*Myriophyllum spicatum*)  
in Dams and Reservoirs



**DIRECTIONS FOR USE**

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

**NOTE:** For use only in programs conducted by the Tennessee Valley Authority in dams and reservoirs of the TVA system.

**WATERMILFOIL**

**HOW TO USE**

When less than 5 gallons of AMINE 4D is recommended, dilute AMINE 4D with water to apply a minimum of 5 gallons of spray mix per acre. Treatment should not be made within 1/2 mile of potable water intakes. Shoreline areas should be treated by subsurface injection applied by boat to avoid aerial drift. Do not apply when weather conditions favor drift from target area. Do not contaminate water sources with equipment, rinsate or other disposal wastes.

**AMOUNTS TO USE**

2.5 to 10 gallons of AMINE 4D per acre. Use the maximum rate in areas of greater water exchange. A repeat application may be required in these areas.

Warranty and Limitation of Damages. Seller warrants that this material conforms to its chemical description and is intended for the purposes set forth on the label when used in accordance with the directions on the label. Buyer assumes the risk of any use not in accordance with the label. Seller makes no other express or implied warranty, including any other express or implied warranty of fitness or of merchantability, and no agent, dealer, or distributor is authorized to do so except in writing with specific reference to this warranty. In no event shall the liability for any breach of warranty exceed the purchase price of the material to which a claim is made.

AMINE 4D - Eurasian Watermilfoil  
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WHEN TO APPLY

Apply in spring or early summer when milfoil starts to grow. This can be checked by sampling plants at lake bottom in areas heavily infested the previous year.

OPEN WATER AREAS

To reduce contamination and prevent undue exposure to fish and other aquatic organisms do not treat water areas that are not infested with aquatic weeds.

SURFACE APPLICATION

Apply AMINE 4D in a minimum spray volume of 5 gallons per acre. Do not apply when wind speeds are at or above 10 mph.

AERIAL APPLICATION

Use a thickening agent such as Lo-Drift<sup>TM</sup> or drift control spray equipment. When using Lo-Drift mix with water in spray tank. As tank is being filled to required volume add recommended amount of AMINE 4D. Apply AMINE 4D through standard boom system with a minimum of 5 gallons of spray per acre. In Microfoil drift control spray system apply AMINE 4D in 12 to 15 gallons of spray mix per acre. Do not apply when wind speeds are at or above 5 mph.

SUBSURFACE APPLICATION

Apply AMINE 4D undiluted directly into the water through boat-mounted distribution systems.

NOTICE TO APPLICATORS

Fish Toxicity-Oxygen Ratio - Oxygen in the water is essential to fish; therefore, a water-oxygen ratio must be maintained. Decaying aquatic weeds decrease oxygen in the water. To avoid fish kill from decaying plant material do not treat more than half the lake or pond at one time. Leave buffer strips of at least 100 feet wide for large bodies of weed-infested waters. Delay treatment of these strips for about 4 weeks or until treated vegetation has decomposed.

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

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

Lo-Drift is a registered trademark of Union Carbide Agricultural Products Company, Inc.