

**READ ENTIRE LABEL
BEFORE USING THIS PRODUCT**

GENERAL INFORMATION

LO-VOL 4D is a selective herbicide recommended for the control of many broadleaved weeds in crops, along fence rows, around farm buildings and similar areas. The following is a partial list of some of the weeds controlled by LO-VOL 4D.

Bindweed	Kochia	Plantain
Carpetweed	Lambsquarters	Ragweed
Cocklebur	Mustards	Smartweed
Dandelion	Morning glory	Thistles
Dock	Nettle, stinging	Wild carrot
Goldenrod	Pigweed	Wild radish
Knotweed		

This product can also be used to control 2,4-D susceptible woody plants such as alder, buckbrush, elderberry, sumac and willow.

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 LO-VOL 4D in 1 1/2 gallons of water is about equal to 1 quart in 100 gallons.

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

DIRECTIONS FOR USE

PREPARATION OF THE SPRAY Fill the spray tank with half the required amount of water, then add the recommended amount of LO-VOL 4D and continue filling the spray tank with balance of water. Keep agitator running when filling spray tank and during spray operations. The amount of water required for low volume applications may vary from 5 to 25 gallons per acre. For high volume applications, 100 gallons or more of water will be needed for good coverage. In any case, use the same amount of 2,4-D recommended per acre.

TIME OF APPLICATION Best results are obtained when LO-VOL 4D is used on young weeds that are actively growing. Applications of lower rates to susceptible annual weeds usually will be satisfactory, but for perennial weeds and other conditions, such as in very dry areas where kill is difficult, use higher 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 kill and repeat applications may be necessary.

SMALL GRAINS (Wheat, Barley, Rye) Apply LO-VOL 4D in sufficient water for uniform coverage on small grains when fully tillered or stooled (4 to 8 inches tall) but before head emerges from the "boot." Crop injury may result if applied earlier than "tiller" or later than "boot" stage. DO NOT use on grain undersown with legumes such as alfalfa or clovers, except where some legume injury can be tolerated. 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 in sufficient water for uniform coverage 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.

CORN PREEMERGENCE—Use LO-VOL 4D in sufficient water for uniform coverage. Best results are obtained when applied 3 to 5 days after planting but before corn emerges. DO NOT apply to light, sandy soils. **POSTEMERGENCE**—Apply LO-VOL 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. DO NOT apply from tasseling to dough stage. Avoid cultivation soon after treatment when corn may be brittle. Hybrids vary in tolerance to 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.

SORGHUM Apply LO-VOL 4D when sorghum plants are 6 to 12 inches tall and secondary roots are well

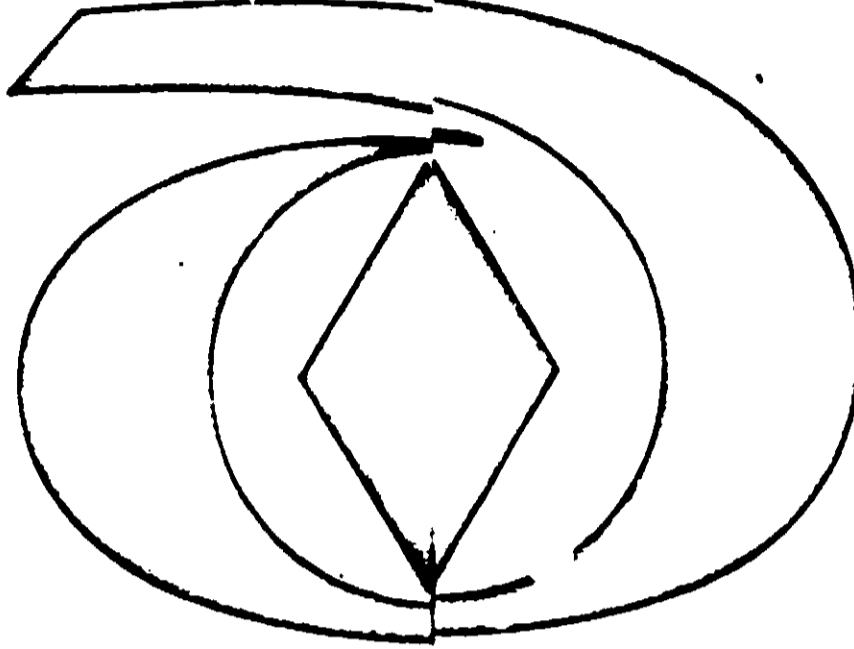
**NET CONTENTS
SPECIMEN LABEL
U.S.D.A. REG. NO. 677-295**

GALLONS

ACCEPTED

MAR 23 1971

UNDER THE FEDERAL INSECTICIDE
FUNGICIDE AND RODENTICIDE ACT
FOR ECONOMIC POISON REGISTERED
ED UNDER NO. 677-295



**Diamond Shamrock
Chemical Company**

**Weed Killer
LO-VOL 4D**

Contains 4.0 Pounds of 2,4-D Acid Equivalent Per Gallon

ACTIVE INGREDIENT:		
Isooctyl Ester of 2,4-Dichlorophenoxyacetic Acid*	69.0%
INERT INGREDIENTS:	31.0%
TOTAL	100.0%

*Equivalent to 2,4-Dichlorophenoxyacetic Acid 45.8%

**CAUTION: KEEP OUT OF REACH OF CHILDREN.
SEE SIDE PANEL FOR ADDITIONAL CAUTIONS.**

AGRICULTURAL CHEMICALS DIVISION, CLEVELAND, OHIO 44115

DIAMOND SHAMROCK CORPORATION

A-135-L-271

established. Use drop nozzles when crop is over 10 inches tall. DO NOT apply from flowering to dough stage. See chart for recommended rates.

Amount of LO-VOL 4D per Acre

Crop (See Detailed Directions Above)	For Average Conditions	For Dry 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		
Preemergence	1 to 2 quarts	1 to 1 1/2 pint
Postemergence	1/2 pint	
Sorghum		
Postemergence	1/2 pint	1 to 1 1/2 pint

*Arizona, California, Idaho, Montana, Nevada, Oregon, Utah, Washington and Wyoming.

(S) PASTURES To control many broadleaved weeds in pastures, meadows and rangelands use 2 pints per acre of LO-VOL 4D in sufficient water to provide for uniform application. 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. Most legumes are usually injured or killed at the rates recommended. For control of wild garlic and wild onion in pastures, apply 2 to 3 quarts per acre in very early spring and repeat annually until weeds are eradicated. DO NOT graze dairy animals on treated areas within 7 days after treatment.

LAWNS, GOLF COURSES, AND SIMILAR TURF Apply 2 pints of LO-VOL 4D per acre in sufficient water to provide uniform coverage. DO NOT apply to newly weeded lawns until grasses become well established. Injury may result if applied to bentgrass, St. Augustinegrass, carpetgrass, centipede grass, Dichondra and clovers in lawns.

WOODY PLANT CONTROL To control 2,4-D susceptible woody plants such as alder, buckbrush, elderberry, sumac and willow on non-crop land and waste areas, use 2 to 3 quarts of LO-VOL 4D in 100 gallons of water. Wet thoroughly all parts of the plants, including foliage and stems to the point of run-off. Higher volumes are necessary where the brush is very dense and over 6 to 8 feet high. Applications are more effective when applied to actively growing plants. DO NOT treat during periods of severe drought or in early fall when leaves have lost their healthy green color. Hard to kill species may need retreatment the following season.

GENERAL WEED CONTROL Along fence rows, ditch banks, roadsides, industrial sites, around farm buildings and similar areas, use 1 to 2 quarts of LO-VOL 4D in 100 gallons of water per acre. Thoroughly wet all foliage to run-off.

CAUTION

Harmful if swallowed.
May cause skin irritation.
Avoid contact with eyes, skin and clothing. If contact with eyes occurs, flush with plenty of water.

DO NOT store near fertilizers, seeds, insecticides, or fungicides.

DO NOT contaminate irrigation ditches or water used for domestic purposes.

Use care to avoid spray drift to 2,4-D susceptible plants such as cotton, tomatoes, flowers, grapes, fruit trees and ornamentals. Trace amounts of spray drift may cause severe injury to both growing and dormant plants. Coarse sprays are less likely to drift. Spray only on calm days using low pressure and lowered boom. Although this ester is much less volatile than butyl or isopropyl esters, high temperatures may produce vapors after application which might injure 2,4-D sensitive plants in the vicinity.

Flush sprayer out on suitable non-crop area after use. DO NOT use the same spray equipment for applying other materials to plants as injury will result.

DO NOT reuse empty container. Destroy by perforating and crushing. Bury or discard in a safe place.

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 to which a claim is made.