

pastures, apply $2\frac{1}{2}$ to $3\frac{1}{2}$ quarts in very early spring and repeat annually until these weeds are controlled. Do not graze treated areas by dairy animals for seven days after treatment.

WOODY PLANT CONTROL: To control 2,4-D susceptible woody plants such as Willow, Alder, Buckbrush, Sumac and Elderberry along roadsides, rights-of-way and storage areas, use 5 to 7 pints in 100 gallons of water. Wet thoroughly all parts of the plants, including foliage and stems, to point of run-off.

GENERAL WEED CONTROL: Along fence rows, drainage ditchbanks, around farm buildings and other waste areas, use $2\frac{1}{2}$ to 4 pints of 2,4-D Isopropyl Ester 3.34 lbs. E.C. in 100 gallons of water per acre. Thoroughly wet all foliage to run-off.

NOTE: When stored at temperatures below freezing it may be necessary to warm up to at least 45°F. and shake thoroughly before using.

GENERAL INFORMATION

2,4-D ISOPROPYL ESTER 3.34 lbs. E.C. is recommended for the selective control of weeds, such as Bindweed, Dandelion, Dock, Goldenrod, Lambsquarter, Mustard, Peppergrass, Pigweed, Ragweed, Shephard's-purse, Thistles, Wild Carrot, Wild Morning Glory, Wild Radish, and many other broad-leaved weeds in crops. (P4)

PREPARATION OF THE SPRAY: Fill the spray tank with half the required amount of water then add the recommended amount of 2,4-D Isopropyl Ester 3.34 lbs E.C. with agitation and continue filling the spray tank. 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. This product also will mix readily with diesel oil, fuel oil, or kerosene.

TREATING SMALL AREAS: One tablespoonful of 2,4-D Isopropyl Ester 3.34 lbs. E.C. in $1\frac{1}{2}$ gallons of water is about equal to 1 quart in 100 gallons.

CAUTION: Harmful if swallowed. Avoid contact with skin, eyes, or clothing. Avoid spray drift to susceptible plants, such as cotton, tomatoes, flowers, grapes, fruit trees, and ornamentals. Spray drift may cause severe injury to both growing and dormant plants. Coarse sprays are less likely to drift. VAPORS from this product may injure 2,4-D sensitive plants growing near the treated area.

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

DO NOT use the same spray equipment for applying other materials to plants as injury will result.

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

This product is toxic to fish. Keep out of lakes, streams, and ponds. Do not reuse empty container. Destroy by burying in a safe place. Do not burn.

This product is licensed under one or more of the following United States patents:

2,390,941 2,394,916 2,396,513
2,453,983 2,472,347 2,412,510
Re.23,115

NOTICE: Manufacturer or seller is not liable for any injury or damage caused by this product due to misuse, mishandling or any application not specifically recommended on this label.

NET CONTENTS: Gallons, 4 gals., 5 1/2 gals.

MANUFACTURED BY: WASATCH CHEMICAL COMPANY
2225 South 5th East
Salt Lake City, Utah 84106

Resubmitted 10/27/67

August
28, 1941

WASSCO
2,4-D DILUTE AMINE 4 15

Contains 4 pounds of 2,4-D Acid Equivalent per gallon.

ACTIVE INGREDIENTS: Diethyl Amine Salt of 2,4-Dichlorophenoxyacetic Acid*.....	49%
INERT INGREDIENTS:.....	51%
	Total 100%

*Equivalent to 2,4-Dichlorophenoxyacetic Acid 100%.

CAUTION: KEEP OUT OF REACH OF CHILDREN.
SEE SIDE PANELS FOR OTHER CAUTIONS.

U. S. D. A. Reg. No. 168-213

DIRECTIONS FOR USE

TIME OF APPLICATION: Best results are obtained when Diethyl Amine D4 is used on weeds that are young and in a rapid growing condition. Applications of lower rates to susceptible annual weeds, will be satisfactory, but for perennial weeds and other conditions where weed kill is difficult, use higher rates. When used as a selective spray in 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 GRAIN CROPS (Wheat, Oats, Barley, Rye): Apply Diethyl Amine D4 at the rate of 1 to 2 pints per acre on small grains when either tillered or stooled (2 to 8 inches tall) but before head emerges from the leaf. Injury will be likely to occur if this product is applied earlier than tiller or later than head. Do not use on grains infested with leopards such as alfalfa or clover, except where some degree of injury can be tolerated. Do not apply when grain is heading. Do not forage or graze treated grain fields within 2 weeks after treatment with 2,4-D. Do not feed treated straw to livestock.

ANNUAL APPLICATION: Use Diethyl Amine D4 at the rate of 1 to 1 1/2 pints in 1 to 10 gallons of water per acre.

WHEAT: Apply Diethyl Amine D4 at the rate of 1/2 to 2 pints per acre on wheat growth stages, providing the first leaves have formed to 1st leaflet (2 to 6 inches tall). Do not treat later after the ear has set.

CORN: PRE-EMERGENCE - Use Diethyl Amine D4 at the rate of 1 to 2 quarts per acre in sufficient water for uniform coverage. Best results are obtained when applied 2 to 5 days after planting, but before corn emerges. DO NOT apply to light sandy soils.

ACCEPTED WITH COMMENTS

CORN: PRE-EMERGENCE - Use Diethyl Arine D at the rate of 1 to 2 quarts per acre in sufficient quantity for uniform coverage. Best results are obtained when applied 2 to 5 days after planting but before corn emerges. Do not apply to light sandy soils.

POST-EMERGENCE - Apply at the rate of 1 pint per acre when spraying corn above 12 inches in height use nozzle extension ("cone drops"), directing the spray down the base of the corn plant. Do not apply from tasseling to dough stage. Use drop nozzles when crop is over 10 inches high.

SOYBEANS: POST-EMERGENCE - Use spray at the rate of 1 pint per acre on plants 6 to 12 inches high when secondary roots are well established. Do not apply from tasseling to dough stage. Use drop nozzles when crop is over 10 inches high.

SUGAR CORN: Apply at the rate of 2 to 4 pints per acre as a spring treatment, and/or at laydown.

PASTURES: To control many broadleaved weeds in pastures, meadows, and rangelands, use 2 to 5 pints of Diethyl Arine D per acre in sufficient quantity to provide for uniform application. Treat pastures when weeds are growing actively. Do not apply to recently seeded pastures until grass is well established. Most legumes are usually injured or killed at the rates recommended. Do not graze treated areas by dairy animals within 7 days after treatment.

WATER AND ONLY WATER: Apply 2 to 3 quarts of Diethyl Amine D4 per acre in sufficient water to obtain uniform coverage. DO NOT apply to bent grasses, or to freshly seeded turf until grasses have become well established. Herb clovers are usually injured or killed.

FOR TREATING SMALL AREAS: One tablespoonful of this product in 1/2 gallons of water is about equal to one quart in 100 gallons of water.

GENERAL WEED CONTROL: On vacant lots, roadsides, and along fence rows use 2 to 3 quarts of Diethyl Amine D4 in 100 gallons of water per acre. Thoroughly wet all foliage to run-off.

NOTE: When stored at temperatures below freezing it may be necessary to warm up to at least 45°F. and shake thoroughly before using.

GENERAL INFORMATION

Diethyl Amine D4 is recommended for controlling Amaranth, Barnyard, Bock, Henbit, Goldens, Lark-quatern, Mustards, Papawgrass, Ragwort, Plantain, Ragweed, Shepherd's-purse, Spotted, Wild Carrot, Wild Morning Glory, Wild Radish and many other 2,4-D susceptible broad-leaved weeds in grass. This product also can be used on lawns, golf courses, parks, along highways, vacant lots, and other areas without injury to most grasses.

PREPARATION OF THE SPRAY: FILL the spray tank with half the required amount of water, then add the recommended amount of Diethyl Amine D4 with agitation, and continue filling the spray tank with water. Use enough water per acre to give uniform coverage. 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 dry amount of 2,4-D recommended per acre.

CAUTION: DO NOT take internally. Avoid contact with skin, eyes, or clothing.

Although Diethyl Amine D4 is non-volatile, care must be used to prevent spray drift from coming into direct contact with vegetables, flowers, grapes, fruit trees, ornamentals, cotton, or other desirable plants sensitive to 2,4-D. Coarse sprays are less likely to drift.

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

DO NOT use the same spray equipment for applying other materials to plants, as injury may result.

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

This product is licensed under one or more of the following United States patents:

2,390,913 2,371,016 2,305,513 2,152,510

2,456,983 2,472,247 No. 23,115

ACCEPTED WITH COMMENTS