

MASSEY CHEMICAL COMPANY
CANTON, OHIO, U.S.A.

10/02/77
2,4-D LOW VOLATILE ESTER 4# E.C.

10/24/67

(Contains 4.0 pounds of 2,4-D Acid Equivalent per gallon)

ACTIVE INGREDIENTS:

Isomerized Ester of 2,4-Dichlorophenoxyacetic Acid*..... 69.0%

INERT INGREDIENTS:..... 31.0%

TOTAL 100.0%

*Equivalent to 2,4-Dichlorophenoxyacetic Acid 45.0%

CAUTION: KEEP OUT OF THE REACH OF CHILDREN
SEE SIDE PANEL FOR OTHER CAUTIONS
U.S.D.P. REG. NO. 100-753

BEST DOCUMENT AVAILABLE

DIRECTIONS FOR USE

TIME OF APPLICATION: Best results are obtained when 2,4-D Low Volatile Ester 4# E.C. is used on weeds that are young and in a rapid growing condition. Applications of lower rates to susceptible annual weeds usually will be satisfactory, but for perennial weeds and other conditions 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 GRAIN CROPS (Wheat, Oats, Barley, Rye): Apply the 2,4-D Low Volatile Ester 4# E.C. at the rate of 1/2 to 1 pint per acre, in sufficient water for uniform coverage on small grains when fully tillered or headed (4 to 8 inches high) but before head emerges from the "boot". Do not use on grain undersown with legumes, such as, alfalfa or clover, except where some legume injury can be tolerated. Do not apply when grain is head 1/2. Do not forage or graze treated grain fields with 2 weeks after treatment with 2,4-D. Do not feed treated straw to livestock.

FLAX: Apply the 2,4-D Low Volatile Ester 4# E.C. at the rate of 1/4 pint per acre as weed growth warrants, providing the flax plants have formed 4 to 9 leaves (2 to 6 inches tall). Do not treat flax after the early bud stage.

CORN: PRE-EMERGENCE - Use the 2,4-D Low Volatile Ester 4# E.C. at the rate of 1 to 2 quarts in sufficient water for uniform coverage. Best results obtained when applied 3 to 5 days after planting, but before corn emerges. DO NOT apply to light sandy soils.

POST-EMERGENCE - Apply at the rate of 1/2 to 1 pint per acre. When spraying corn above 10 inches in height use nozzle extensions (corn drops), directing the spray down the base of the corn plant. Do not apply from tasseling to dough stage. Use drop nozzle when crop is over 10 inches high.

SORGHUM: Use the 2,4-D Low Volatile Ester 4# E.C. at the rate of 1/2 to 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.

PASTURES: To control many broadleaved weeds in pastures, meadows and rangelands, use 2 pints of 2,4-D Low Volatile Ester 4# E.C. per acre in sufficient water 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. For control of wild garlic and onion in pastures, apply 2 to 3 quarts in very early spring and repeat annually until these weeds are eradicated. Do not graze treated areas by dairy animals within 7 days after treatment.

10/107-27

WOODY PLANT CONTROL: To control 2,4-D susceptible plants, such as, Milkw, Alder, Blackberry, etc. on non-cropland or on cropland areas, such as alfalfa, hay, clover, etc. use 2,4-D in 100 gallons of water. Wet thoroughly all parts of the plants, including stems and leaves, to the point of runoff.

GENERAL WEED CONTROL: Along fence rows, drainage ditches, etc. around farm buildings and on cropland areas, use 2 to 3 pints of 2,4-D Low Volatile Ester 4# E.C. in 100 gallons of water per acre. Thoroughly wet all plants to be controlled.

GENERAL DIRECTIONS

The 2,4-D Low Volatile Ester 4# E.C. is recommended for the selective control of weeds, such as, Pin oak, Mandarin, Dock, Golden L, Jack-o-lantern, Mustard, Peppergrass, Lig-wort, Ragwort, Shepherd's-purse, Thistle, Wild Cotton, Wild Morning Glory, Wild Radish, and many other broadleaved weeds in crops.

PREPARATION OF THE SPRAY: Fill the spray tank with half the required amount of water, then add the recommended amount of the 2,4-D Low Volatile Ester 4# 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, kerosene, or gasoline.

TREATING SMALL AREAS: One tablespoonful of the 2,4-D Low Volatile Ester 4# E.C. in 100 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. **WARNING:** 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.

DO NOT reuse empty container. Destroy by perforating and bury in a safe place.

DO NOT burn empty container.

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

- 2,390,941, 2,394,916, 2,396,513, 2,412,510
- 2,452,933, 2,473,247, Rs. 23,115

NON-WARRANTY: 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.

MANUFACTURED BY: **BEST DOCUMENT AVAILABLE**

WASATCH CHEMICAL COMPANY
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SALT LAKE CITY, UTAH
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Resubmitted 10.27.67

REGISTRATION LABELING INSTRUCTIONS