

2,4-D BUTYL ESTER 4# E. C.

10-27-28

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

<b>ACTIVE INGREDIENTS:</b>	
Butyl Ester of 2,4-Dichlorophenoxyacetic Acid*	56.5%
<b>INERT INGREDIENTS:</b> ..... 43.5%	
<b>TOTAL</b> 100.0%	

\* Equivalent to 2,4-Dichlorophenoxyacetic Acid 45.0%

CAUTION: KEEP OUT OF REACH OF CHILDREN. SEE SIDE PANELS FOR OTHER CAUTIONS. U. S. D. A. REG. NO. 168-235

ACCEPTED NOV 23, 1967 UNDER THE FEDERAL INSECTICIDE ACT FOR ECONOMIC POIS IN REGISTERED UNDER NO. SUBJECT TO ATTACHED COMMENTS

BEST DOCUMENT AVAILABLE

DIRECTIONS FOR USE

**TIME OF APPLICATION:** Best results are obtained when the 2,4-D Butyl Ester 4# E.C. is used on plants that are young and in a rapid growing condition. Applications of lower rates to (weeds) 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 Butyl 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 (of) fully tillered or stooled (4 to 8 inches tall) but before head emerges from the "boot". Do not use on grain undersown with legumes such as alfalfa or clovers, except where some legume injury can be tolerated. Do not apply when grain is headed. Do not forage or graze treated grain fields within 2 weeks after treatment with 2,4-D. Do not feed treated straw to livestock.

**FLAX:** Apply the 2,4-D Butyl Ester 4# E.C. at the rate of 1/2 pt. per acre as weed growth warms providing the flax plants have formed 4 to 5 leaves (2 to 6 inches tall.) Do not treat (ran) flax after the early bud stage.

**CORN: PRE-EMERGENCE** - Use the 2,4-D Butyl Ester 4# E.C. at the rate of 1 to 2 qts in sufficient water for uniform coverage. Best results are obtained when applied 3 to 5 days after (cl) 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 12 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 nozzles when crop is over 10 inches high.

**SORGHUM:** Use the 2,4-D Butyl Ester 4# E.C. at the rate of 1/2 to 1 pt per acre on plants 6 to 12 inches high when secondary roots are well established. Do not apply from tasseling to (12) 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 pts. of 2,4-D Butyl 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.

**WOODY PLANT CONTROL:** To control 2,4-D susceptible woody plants such as Willow, Alder, Buckbrush, Sumac and Elderberry on non-cropped and other waste areas, such as rights-of-way, roadsides and storage areas, use 2 to 3 quarts in 100 gallons of water. Wet thoroughly all parts of the plants including foliage and stems, to the point of runoff.

10/10/72

GENERAL WEED CONTROL: On vacant lots, roadsides, and along fence rows use 1 to 2 quarts of 2,4-D Butyl Ester 4# E.C. in 100 gallons of water per acre. Thoroughly wet all foliage to runoff.

GENERAL INFORMATION

2,4-D Butyl Ester 4# E.C. is recommended for controlling Arrowhead, Dandelion, Docks, Bindweed, Rabbit, Lamb-quarter, Mallow, Mustard, Peppergrass, Pigweed, Plantain, Ragweed, Shepherd's Purse, Thistles, Wild Carrot, Wild Morning-Glory, Wild Garlic, Wild Onion, and many other broad-leaved weeds.

PREPARATION OF THE SPRAY: Fill the spray tank with half the required amount of water, then add the recommended amount of 2,4-D Butyl Ester 4# E.C. 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 same amount of 2,4-D recommended per acre.

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. 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 growing nearby.  
DO NOT contaminate irrigation ditches or water used for domestic purposes.  
DO NOT store near fertilizers, seed, insecticides or fungicides.  
DO NOT use the same spray equipment for applying other materials to plants as injury will result.  
This product is toxic to fish - keep out of lakes, streams, and ponds.  
DO NOT apply when weather conditions favor drift of spray from areas treated.  
Dispose of empty containers and spillage by burying away from water supplies.

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, 2,453,983  
2,472,347, 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: 1 gal., 5 gal, 54 gal.

MANUFACTURED BY:

WASATCH CHEMICAL COMPANY  
2225 South 5th East  
SALT LAKE CITY, UTAH  
84106

1/30/67

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