

**READ ENTIRE LABEL BEFORE USING THIS PRODUCT**  
**GENERAL INFORMATION**

BUTYL ESTER 4 is a selective herbicide recommended for the control of many broad leaved weeds in crops, along fence rows, and around farm buildings and similar areas. The following is a partial list of the weeds controlled by BUTYL ESTER 4:

Bindweed	Plantain	Plantain
Carpet weed	Lamb's quarters	Ragweed
Cocklebur	Marestail	Shepherd's Purse
Dandelion	Morning glory	Thistle
Dock	Nettle (stinging)	Wild carrot
Goldenrod	Pigweed	Wild radish
		Knottedweed

**PREPARATION OF THE SPRAY:** Fill the spray tank with half the required amount of water, then add the recommended amount of BUTYL ESTER 4 and continue filling the spray tank with balance of water. Keep agitator running when filling spray tank and during spray operation. The amount of water required for low volume application 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.

**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.

**TREATING SMALL AREAS:** One tablespoon of BUTYL ESTER 4 in 1 gallon of water is about equal to 1 quart in 100 gallons.

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

**DIRECTIONS FOR USE**

**TIME OF APPLICATION:** Best results are obtained when BUTYL ESTER 4 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 BUTYL ESTER 4 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 BUTYL ESTER 4 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 BUTYL ESTER 4 from emergence to tasseling. When spraying corn taller than 10 inches, 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 Stations or Extension Service weed specialist regarding the use of 2,4-D on your specific hybrid. See chart for recommended rates.

**SORGHUM:** Apply BUTYL ESTER 4 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.



# BUTYL ESTER 4

**CAUTION** KEEP OUT OF REACH OF CHILDREN  
 SEE OTHER CAUTION STATEMENTS ON SIDE PANEL

<b>ACTIVE INGREDIENTS (By Weight)</b>	
*Butyl Ester of 2,4-Dichlorophenoxyacetic acid .....	53.2%
<b>INERT INGREDIENTS</b> .....	46.8%
<b>Total</b> .....	<b>100.0%</b>

\*2,4-Dichlorophenoxyacetic Acid equivalent 42.3% — 3.76 lbs. per gallon.  
 Isomer specific by AOAC method 6.D01-5.

ACCEPTED

5905-170



Manufactured by  
**HELENA CHEMICAL COMPANY**  
 Memphis, TN 38137



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SEE OTHER CAUTION STATEMENTS ON SIDE PANEL.**

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Ingredients	46.8%
Total	100.0%

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Isomer specific by AOAC method 6.D01-5.

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105-170

Amount of BUTYL ESTER 4 per Acre

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

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

**PASTURES:** To control many broadleaved weeds in pastures, meadows, and range lands, use 2 pints per acre of BUTYL ESTER 4 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 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 treatments.

Use of this product may result in injury to St. Augustine grass.

**WOODY PLANT CONTROL:** To control 2,4-D susceptible woody plants such as alder, buckthorn, elderberry, sumac, and willow on non-crop land and waste 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 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, drainage ditch banks, around farm buildings, and similar areas, use 1 to 2 quarts of BUTYL ESTER 4 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. VAPORS from this product may injure 2,4-D sensitive plants in vicinity.

This product is toxic to fish. Keep out of lakes, streams and ponds. DO NOT contaminate water by cleaning of equipment or disposal of wastes. Apply only as directed on this label.

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.**

EPA REG NO 5905-170

FPA EST

MADE IN U.S.A.

SN 110779-8M

**WARRANTY AND LIMITATIONS OF DAMAGES:** Helena Chemical Co warrants that this material conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use and Conditions of sale, subject to the inherent risks referred to therein. Helena Chemical Company makes no other express or implied warranty, including any other express or implied warranty of FITNESS or of MERCHANTABILITY, and no agent of Helena Chemical Company is authorized to do so except in writing, with a specific reference to this warranty. Any damages arising from a breach of this warranty shall be limited to direct damages, and shall not include consequential commercial damages such as loss of profits or value, etc.

