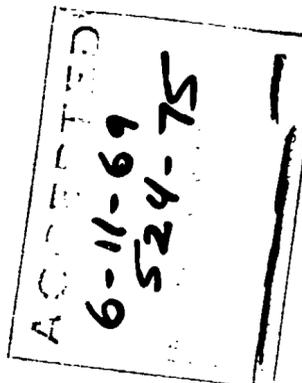


### GENERAL INFORMATION

Monsanto's 2,4-D 2,4,5-T Butyl Ester Brush Killer is formulated to control mixed species of susceptible herbaceous and woody plants growing in rangelands, on rights-of-way, fence-rows, industrial areas, drainage ditches, and pastures. It is designed for application after dilution with either water or oil.

Plants susceptible to Monsanto 2,4-D 2,4,5-T Butyl Ester Brush Killer include the following:

- |            |              |
|------------|--------------|
| Alder      | Gum          |
| Ash        | Hawthorn     |
| Aspen      | Honeysuckle  |
| Birch      | Locust       |
| Box elder  | Maple        |
| Brambles   | Oak          |
| Buckbrush  | Osage orange |
| Wid cherry | Poison ivy   |
| Elderberry | Sassafras    |
| Elm        | Salmonberry  |
| Greenbrier | Sumac        |
| Wild grape | Willows      |



### WARNING NOTICE

Monsanto Company 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. This product is sold subject to the understanding that the buyer assumes all risks of use or handling which may result in loss or damage which are beyond the control of the seller, such as for example incompatibility with other products, the manner of its use or application, or the presence of other products or materials in or on the soil or crop. Monsanto makes no other express or implied warranty of fitness or merchantability. The exclusive remedy of the user or buyer, and the limit of the liability of Monsanto Company or any other seller, for any and all losses, injuries or damages resulting from the use or handling of this product shall be the purchase price paid by the user or buyer for the quantity of this product involved. The buyer and all users are deemed to have accepted the terms of this notice, which may not be varied by any verbal or written agreement.

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# 22 2,4-D / 2,4,5-T BUTYL ESTER BRUSH KILLER

Emulsifiable concentrate for controlling woody plants.

READ WARNING NOTICE BEFORE BUYING OR USING.  
IF NOTICE TERMS ARE NOT ACCEPTABLE, RETURN UNOPENED.  
Keep out of reach of children.

### CAUTION: MAY CAUSE SKIN IRRITATION

Avoid contact with skin, eyes, nose, mouth, and clothing. If contact occurs, wash immediately with plenty of water. If contact with eyes occurs, flush with water for at least 15 minutes. If contact with clothing occurs, remove clothing immediately and wash with plenty of water. If contact with skin occurs, wash with plenty of water. If contact with eyes occurs, flush with water for at least 15 minutes.

### ACTIVE INGREDIENTS:

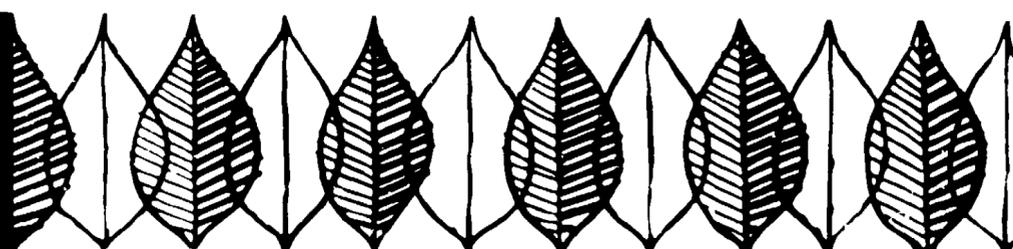
- Butyl ester of 2,4-D 2,4,5-T 27.5%
- Butyl alcohol 26.7%

### INERT INGREDIENTS:

- Emulsifier 10.0%
- Water 45.8%
- Total 100.0%

NET CONTENTS 1 U.S. GALLON

KEEP ABOVE 32°F TO KEEP FROM FREEZING.  
Do not allow to freeze. When frozen, the product will  
not be effective. Thaw by heating the container.



**WARNING**—Extreme care must be used when applying 2,4-D and 2,4,5-T to prevent injuring desirable plants and crops. 2,4-D and 2,4,5-T should not be used in susceptible crops such as cotton, tomatoes, vegetables, grapes, fruit trees, soybeans, tobacco, or beans. Do not allow spray mist to drift on to such plants, since even minute quantities of spray may cause severe injury. Use low pressures when spraying to produce coarse sprays which are less likely to drift. Do not spray on windy days. Esters of 2,4-D and 2,4,5-T produce vapors after application which may injure susceptible plants in the vicinity.

Do not use on newly seeded lawns. Creeping grasses, such as bent, are injured by 2,4-D and 2,4,5-T and should not be sprayed unless spot applications are made on weeds and localized turf injury can be tolerated. White clover or other legumes are damaged by 2,4-D and 2,4,5-T.

Do not use in greenhouses.

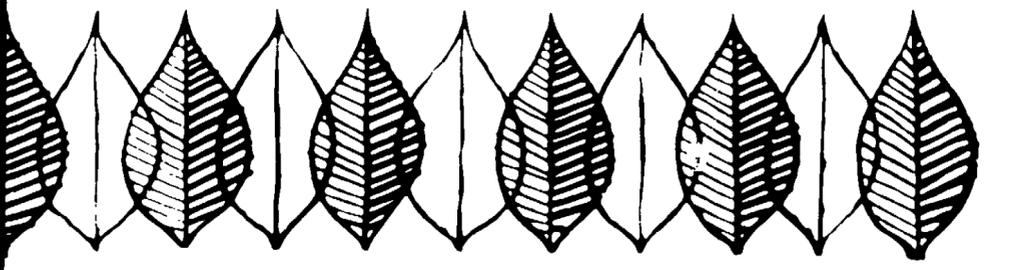
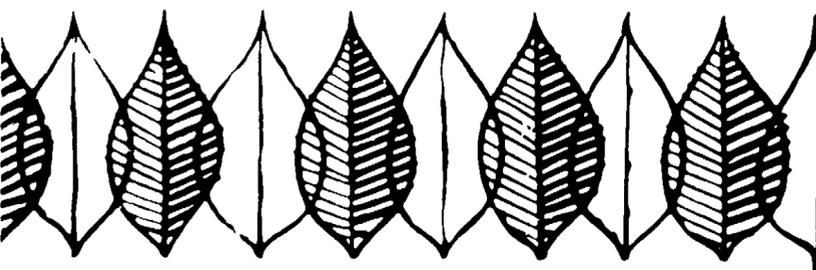
Large amounts of 2,4-D and 2,4,5-T in soil may temporarily inhibit seed germination. Never use more than recommended.

Toxic to fish. Keep out of lakes, ponds and streams. Do not apply to any area not specified on the label.

Keep containers closed when not in use, and do not reuse for other purposes.

Do not use in any manner other than recommended on the label to avoid possible crop injury or residues at harvest.

It is best to use a separate sprayer for application of 2,4-D and 2,4,5-T herbicides. If the same sprayer must be used for other crop spraying, it should be flushed thoroughly with water immediately after use. Next, flush equipment with water containing a volume based on minimum 100 volumes of water and allow to stand for 24 hours. Then flush equipment thoroughly with water. Rinse and dry equipment with water.





# 2,4-D/2,4,5-T BUTYL ESTER BRUSH KILLER

Emulsifiable concentrate for controlling woody plants.

READ "WARNING NOTICE" BEFORE BUYING OR USING.  
IF NOTICE TERMS ARE NOT ACCEPTABLE, RETURN AT ONCE UNOPENED.

Keep out of reach of children.

**CAUTION: MAY CAUSE SKIN IRRITATION.**

Avoid contact with eyes, skin, or clothing.  
Do not store near food, fertilizers, seeds, insecticides, or fungicides.  
Do not contaminate water used for irrigation, domestic or spray purposes.  
In case of fire, use water spray, foam, dry chemical or CO<sub>2</sub>.  
Harmful if swallowed.

**ACTIVE INGREDIENTS:**

*Butyl ester of 2,4-Dichlorophenoxyacetic acid	27.5%
*Butyl ester of 2,4,5-Trichlorophenoxyacetic acid	26.7%

<b>INERT INGREDIENTS:</b>	<b>45.8%</b>
	<b>100.0%</b>

\*Equivalent to 21.9% or 2 pounds  
2,4-D acid per gal., and 21.9% or  
2 pounds 2,4,5-T acid per gal.

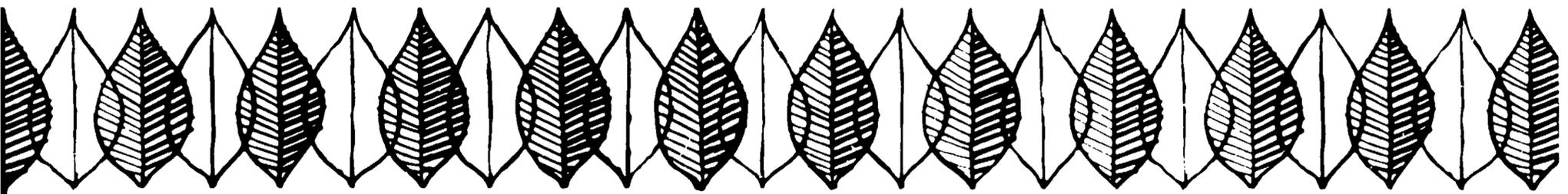
**NET CONTENTS 1 U.S. GALLON**

STORE ABOVE 20° F. TO KEEP FROM FREEZING.  
If allowed to freeze, warm to 70° F. and redissolve  
before using by rolling or shaking the container.



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FORM NO. 107



**WARNING**—Extreme care must be used when applying 2,4-D and 2,4,5-T to prevent injuring desirable plants and crops. 2,4-D and 2,4,5-T should not be used in susceptible crops such as cotton, tomatoes, vegetables, grapes, fruit trees, soybeans, tobacco, or beans. Do not allow spray mist to drift on to such plants, since even minute quantities of spray may cause severe injury. Use low pressures when spraying to produce coarse sprays which are less likely to drift. Do not spray on windy days. Esters of 2,4-D and 2,4,5-T produce vapors after application which may injure susceptible plants in the vicinity.

Do not use on newly seeded lawns. Creeping grasses, such as bent, are injured by 2,4-D and 2,4,5-T and should not be sprayed unless spot applications are made on weeds and localized turf injury can be tolerated. White clover or other legumes are damaged by 2,4-D and 2,4,5-T.

Do not use in greenhouses.

Large amounts of 2,4-D and 2,4,5-T in soil may temporarily inhibit seed germination. Never use more than recommended.

Toxic to fish. Keep out of lakes, ponds and streams. Do not apply to any area not specified on the label.

Keep containers closed when not in use, and do not reuse for other purposes.

Do not use in any manner other than recommended in the label to avoid possible crop injury or residues at harvest.

It is best to use a separate sprayer for application of 2,4-D and 2,4,5-T herbicides. If the same sprayer must be used for other crop spraying, it should be flushed thoroughly with water immediately after use. Next, fill equipment with water containing 1 volume household ammonia to 10 volumes of water, and allow to stand for 1 day. Then flush equipment thoroughly, including hoses and nozzles, several times with water.

### DIRECTIONS FOR USE

The recommended rates for specific crops should be considered as general. Consult your state agricultural experiment station or extension service weed specialist for local recommendations regarding dosages, method of application and timing of sprays. Use of this product may be governed in certain areas by local regulations.

**FOLIAGE SPRAY**—For spraying foliage with ground equipment in spring or summer, mix 3 to 4 quarts Monsanto 2,4-D/2,4,5-T Butyl Ester Brush Killer thoroughly with 100 gallons of water by adding to the spray tank while filling. For small areas, use 2 tablespoonfuls per gallon of water. Mix thoroughly. Complete spray coverage of leaves, stems, and bark is required for good results. Best results are usually obtained when plants are growing actively. Lack of moisture may cause less effective control. Retreat missed areas and the more resistant species the following season.

If large trees are present it may be desirable to employ a basal spray or stump spray described below.

This product may be applied at 1/4 to 1 gallon of this product per acre by plane to control mixed species of susceptible brush on pastures or grazing land. Mix 1/4 to 1 gallon of 2,4-D/2,4,5-T Butyl Ester Brush Killer in 1 gallon of oil and 3 gallons of water per acre. Consult your state agricultural experiment station or extension service weed specialist for detailed recommendations. Avoid aerial treatments in areas where drift or vapors may injure susceptible crops. Do not graze treated areas by dairy animals within 7 days after treatment.

**BASAL SPRAY**—Basal spray treatments may be made at any time during winter or summer. This method is particularly useful for large standing trees, or more resistant species. Mix 1 gallon of Monsanto 2,4-D/2,4,5-T Butyl Ester Brush Killer with 25 gallons of diesel fuel, kerosene and trench bark on all sides from ground level up to 3 feet. If application is made during dormant season, use 1 gallon in 25 to 20 gallons of oil.

For small areas, use 1/4 pint per gallon of oil.

For best results, allow brush to stand treated at least a year before cutting.

**STUMP TREATMENT**—Cut stumps may also be treated with this product to prevent regrowth. For most species, dilute 2 gallons of Monsanto 2,4-D/2,4,5-T Butyl Ester Brush Killer in 10 gallons of diesel oil or kerosene and thoroughly treat top and sides of stump and any exposed roots. More resistant species may require 2 gallons in 50 gallons of oil.

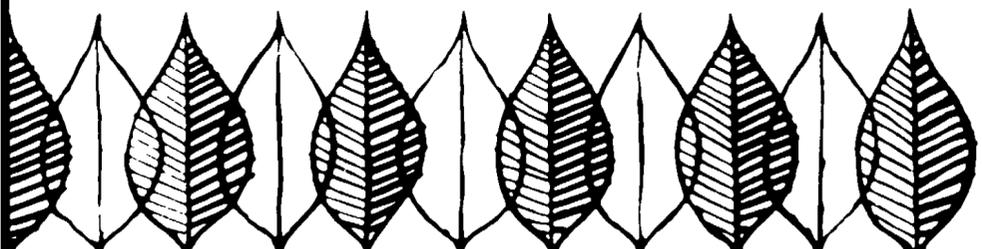
For small areas, use 1/4 pint per gallon of oil.

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MONSANTO COMPANY

AGRICULTURAL DIVISION

ST. LOUIS, MO., U.S.A.




**2,4-D/2,4,5-T**  
**BUTYL ESTER**  
Brush Killer



**FIVE pounds active per**

# 2,4-D AMINE

**ACTIVE INGREDIENT:**

Dimethylamine Salt of  
2,4-Dichlorophenoxyacetic Acid 60.3%

**INERT INGREDIENTS:**

Equivalent to 2,4-D acid 50.1 percent 39.7%

**Keep out of reach of children.**

## WARNING!

**CAUSES IRRITATION OF EYES AND SKIN.**

Do not get in eyes.

Avoid contact with skin and clothing.

In case of contact, flush eyes with plenty of water for at least 15 minutes and get medical attention; wash skin with plenty of soap and water.

Get away from fumes. Do not breathe vapors.

FOR USE BY MANUFACTURERS IN PREPARATION OF PESTICIDES.

STORE ABOVE 32°F TO KEEP F  
If allowed to freeze, warm to 70  
before using.

**ATTENTION:** Before using, consult  
Cultural Extension Service or Exp  
concerning specific usage, dosages,  
application. Spray or dust must not  
reach flowers, vegetables, shrubs,  
crop plants. Bent grass and clovers  
are killed. EVEN SMALL AMOUNTS  
HIGHLY INJURIOUS. DO NOT SPRAY  
WIND. Cloud sprays are less likely  
may injure susceptible plants in  
vicinity. Formulations of 2,4-D must  
not be applied in the vicinity of grow-  
ing crops. Do not use near fertilizers,  
herbicides and fungicides. Sprays of  
2,4-D should not be applied on  
other agricultural chemicals. Keep  
away from water. Do not use  
on the ground or in the soil.

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MONSANTO COMPANY, ST. LOUIS, MISSOURI