

PRODUCT NO.

2090

# BUTOXONE<sup>®</sup> ESTER

NET CONTENTS  
GALLONS

## A SELECTIVE WEED KILLER

For the control of certain seedling broadleaf weeds in seedling stands of Alfalfa, Birdsfoot Trefoil, Red Clover, Alsike, White and Ladino Clovers. Also for use on established stands of Alfalfa.

### ACTIVE INGREDIENT:

Isooctyl ester of 4-(2,4-dichlorophenoxy) butyric acid\* . . . . . 38.6%

INERT INGREDIENTS . . . . . 61.4%

\*Equivalent to 26.64% by weight of 4-(2,4-dichlorophenoxy) butyric acid or 2 pounds of 4-(2,4-dichlorophenoxy) butyric acid per gallon at 68°F. U. S. Patent No. 2,863,754

### CAUTION: Keep Out of Reach of Children

Harmful if swallowed. Avoid contact with skin, eyes, or clothing. Do not store near fertilizers, insecticides, fungicides, or seeds. Do not contaminate water intended for irrigation or domestic purposes. Do not reuse shipping containers. Destroy by burying in a safe place. Do not burn. Do not apply when crop is stressed from lack of moisture.

Do not graze established alfalfa, nor feed straw or hay from established alfalfa to livestock within 30 days after application. Do not graze or feed SEEDLING Alfalfa, Clover, and Birdsfoot Trefoil within 60 days after application. Do not use on Sweet Clover and other legumes not mentioned, nor on established clovers grown for seed. Irrigation, in particular, overhead sprinkler irrigation, should be delayed as long as possible (10 days or more) following application of Butoxone Ester, to avoid washing the chemical into the root zone. Avoid spray drift to susceptible plants and crops as it may injure cotton, tomatoes, and ornamentals (coarse sprays are less likely to drift). Vapors from this product may injure susceptible plants in the vicinity. Do not use near greenhouses. Do not use same spray equipment for other purposes without first thoroughly cleaning with alkali and water. Small amounts of 2,4-D, MCPA, silvex, or 2,4,5-T may damage legumes; sprayers previously used to apply these chemicals must be thoroughly cleaned with alkali and water before being used for applying Butoxone Ester. Contact your supplier for special instructions on cleaning spray equipment. Do not contaminate water by cleaning of equipment, or disposal of wastes.

**GENERAL INFORMATION:** Apply as a postemergence spray (read restrictions under "when to apply"). When properly timed there is little or no effect on the crop. In established alfalfa there may be some twisting of stems and malformation of leaves. This condition is usually outgrown.

**CONTROLS THESE WEEDS:** At the recommended rates Butoxone Ester will control many seedling broadleaf weeds including those in the following list.

- |   |  |
|---|--|
| Lambsquarters (Chenopodium album)                   | Wild Turnip (Brassica campestris)            |
| Pigweed (Amaranthus spp.)                           | Jimsonweed (Datura spp.)                     |
| Stinkweed (Fanweed or Pennycress) (Thlaspi arvense) | Kochia or Mexican Fireweed (Kochia scoparia) |
| Ragweed (Ambrosia artemisiifolia)                   | Groundsel (Senecio vulgaris)                 |
| Curly Dock (Rumex crispus)                          | Shepherdspurse (Capsella bursa-pastoris)     |
| Sweet Clover (Volunteer plants)                     | Bullthistle (Cirsium lanceolatum)            |
| Wild Mustards (Brassica kaber, B. nigra)            | Russian Thistle (Salsola kali)               |
| London Rocket (Sisymbrium irio)                     | Prickly Lettuce (Lactuca scariola)           |
| Annual Morningglory (Ipomoea spp.)                  | Hairy Cats Ear (Hypochoeris radicata)        |
| Tansy Mustard (Descurainia pinnata)                 | Sugar Beet, Wild Beet (Volunteer plants)     |
| Narrowleaf Plantain (Plantago lanceolatum)          | Cocklebur (Xanthium spp.)                    |
| Smartweed (Polygonum persicaria)                    | Velvetleaf (Abutilon theophrasti)            |

May be stored safely in unheated buildings.

Do Not Store with Foodstuffs

### DIRECTION FOR USE (First Read Cautions)

**WHEN TO APPLY:** Weeds must be in the young seedling stage and actively growing to achieve satisfactory results. The older the weeds become the more difficult they are to control. For best result: spray weeds in the 2 to 5 leaf stage of growth.

Do not spray when daytime temperatures are expected to exceed 90°F. within the next 2 or 3 days. Do not apply when crop is stressed for lack of moisture. Do not apply if temperatures are likely to fall below 40°F. during or shortly after treatment.

**Seedling Legumes**—Spray when legume crop has reached the 1 to 2 trifoliate leaf stage and growing conditions are good. Do NOT use on peas.

**Established Alfalfa**—Certain weeds will emerge in the fall and over winter in a rosette stage. Best control of these weeds will result from application in late fall or early winter rather than in the spring. Follow state recommendations for timing and possible lower rates to be used under local conditions.

**HOW TO APPLY:** Read caution regarding spray drift. Apply as an overall spray by ground sprayer or airplane. Use agitation to keep emulsion well mixed, especially if emulsion has been allowed to stand. Calibrate sprayer accurately.

**AMOUNT TO USE:** Mix in water and apply at the rates shown in the table. Use the higher rate if weeds have passed the seedling stage.

Broadleaf Weeds	Amt. Butoxone Ester Per Acre	4-(2,4-DB) ACID EQUIV. Per Acre	Suggested Dilution Per Acre
For Lambsquarters, Pigweed, Kochia, Russian Thistle, Prickly Lettuce, Groundsel, Wild Mustard, Hairy Cats Ear, Cocklebur, Velvetleaf, Wild Beet, Annual Morningglory, Wild Turnip	3 pts.	¾ lbs.	Airplane Applications: 10 gals. of water or Ground Sprayer Applications: 20 to 30 gals. of water
For Stinkweed, Smartweed, Ragweed, Bullthistle, Shepherdspurse, Curly Dock, Tansy Mustard, London Rocket, Narrowleaf Plantain, Volunteer Sweet Clover, Jimsonweed	4 pts.*	1 lb.	

\*On Red Clover, do not use more than 3 pints per acre.

A method for weed control in crop areas is covered by U. S. Patent 2,863,754, under which this Company is authorized to extend licenses to others at a royalty rate equal to Ten Cents per pound of active ingredient used. This royalty is included in the price of the product sold under this label. A license to practice the invention with material from any source at the same rate of royalty may be acquired upon written request to the Company.

Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended, and other influencing factors in the use of this product are beyond the control of the seller. Buyer assumes all risks of use, storage, or handling of this material not in strict accordance with directions given herewith.

DO NOT USE, POUR, SPILL, OR STORE NEAR HEAT OR OPEN FLAME

EPA Reg. No. 359-409-ZA  
EPA Est. 359-MO-1  
EPA Est. 359-OR-1

PL-0675

Manufactured by  
**RHODIA INC.**  
AGRICULTURAL DIVISION  
SOMERSET, NEW JERSEY

ACCEPTED  
AUG 19 1973  
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, the pesticide registered under EPA Reg. No. 359-409



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