

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Reg # 56077-27

PM-23

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23 JUN 1993

Jeanine M. Heishman
 Cedar Chemical Corporation
 24th Floor
 5100 Poplar Avenue
 Memphis, TN 38137

Dear Mrs. Heishman:

Subject: Label Amendment- Stamped Label for Florida
 Butoxone Ester
 EPA Registration Number 56077-27
 Your Submission Dated December 16, 1992

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, is acceptable, provided the following changes are made:

1. Under the Precautionary Statements add the statement "When handling this product wear chemical resistant gloves."
2. Under the Re Entry Statement, start the paragraph #11 with the statement, "Do not enter treated areas without protective clothing until sprays have dried."

A stamped copy is enclosed for your records. Please submit three (3) copies of final printed labeling with the above corrections made.

This acceptance of your label does not relieve you of any obligation to comply with the Worker Protection Standard (WPS). Under the WPS labeling regulations at 40 CFR part 156, subpart K, § 156.100(c)(3), you are prohibited from distributing or selling any product within the scope of the WPS requirements after April 21, 1994, without amended labeling accepted by the Agency.

Sincerely Yours,

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Joanna L. Miller
 Product Manager (23)
 Fungicide-Herbicide Branch
 Registration Division (47505C)

File for use

CONCURRENCES							
SYMBOL	H7505C						
SURNAME	Robbins						
DATE	6/23/93						

REV. 10-91-B

SPECIMEN LABEL



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BUTOXONE[®] ESTER

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.

ACCEPTED

23 JUL 1993

Under the Federal Insecticide, Fungicide, and Rodenticide Act registered as a pesticide for application of 38.6% 2,4-D, 61.4%

ACTIVE INGREDIENTS:

Isooctyl ester of 4-(2,4-dichlorophenoxy) butyric acid

INERT INGREDIENTS:

TOTAL 100.0%

* 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.

EPA Reg. No.: 56077-27
EPA Establishment No.:

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PRECAUCION AL USUARIO: SI USTED NO LEE INGLES, NO USE ESTE PRODUCTO HASTA QUE LA ETIQUETA LE HAYA SIDO EXPLICADA AMPLIAMENTE.

KEEP OUT OF REACH OF CHILDREN

CAUTION-CAUCION

STATEMENT OF PRACTICAL TREATMENT

If Swallowed: Do not induce vomiting. Get medical attention. Contains petroleum distillates.

If on Skin: Wash contaminated areas thoroughly with soap and water. Do not reuse contaminated clothing until washed. Get medical attention if irritation persists.

If in Eyes: Flush with copious amounts of clean water for 10-15 minutes. Get medical attention.

Note to Attending Physician: May cause chemical pneumonitis if aspirated. If lavage is performed, suggest endotracheal and/or esophagoscopic control.

PRECAUTIONARY STATEMENTS CAUTION

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Harmful if swallowed. Avoid breathing spray mist. Avoid contact with skin, eyes, and clothing. In case of contact, immediately flush eyes or skin with plenty of water. Get medical attention if irritation persists. Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

ENVIRONMENTAL HAZARDS: Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters. Do not contaminate water intended for irrigation or domestic purposes. Do not apply when weather conditions favor drift from target area.

GROUNDWATER CONTAMINATION: Most cases of groundwater contamination involving phenoxy herbicides such as 2,4-DB have been associated with mixing/loading and disposal sites. Caution should be exercised when handling 2,4-DB pesticides at such sites to prevent contamination of groundwater supplies. Use of closed systems for mixing or transferring this pesticide will reduce the probability of spills. Placement of the mixing/loading equipment on an impervious pad to contain spills will help prevent groundwater contamination.

**FOR CHEMICAL SPILL, LEAK, FIRE, OR EXPOSURE, CALL TOLL FREE:
1-800-424-9300**

AGRICULTURAL CHEMICAL
DO NOT SHIP OR STORE WITH FOODS, FEEDS, DRUGS, OR CLOTHING

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with this labeling

RE-ENTRY STATEMENT: Protective clothing should include hat or other suitable head covering, long sleeved shirt and long legged trousers, or a coverall type garment, chemical resistant gloves, shoes, and socks.

Because certain states may require more restrictive re-entry intervals for various crops treated with this product, consult your State Department of Agriculture for further information

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. The front panel PRECAUTIONARY STATEMENTS should be read to workers as well as the instruction not to enter until sprays have dried. When oral warnings are given, warnings shall be given in language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information:

CAUTION: Area treated with 2,4-DB on (date of application). Do not enter without appropriate protective clothing until sprays have dried. (Insert here Statements of Practical Treatment as on front panel.)

Do not apply this product through any type of irrigation system.

STORAGE AND DISPOSAL

STORAGE. Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Do not store this product near fertilizers, seeds, insecticides, or fungicides. Product subjected to sub-freezing temperatures should be warmed to at least 60°F and agitated prior to using. This will return product to original condition. Do not store near heat or open flame. Containers should not be stacked more than six (6) high. Reclose all partially used containers by thoroughly tightening screw cap. Damaged or leaking containers which cannot be used immediately should be transferred to suitable sound containers and properly marked. Absorb any spill with a suitable clay absorbent and dispose of as indicated under "Pesticide Disposal".

For safety and prevention of unauthorized use, all pesticides should be stored in locked facilities.

To prevent accidental misuse, different pesticides should be stored in separate areas with enough distance between to provide clear identification.

Opened, partially used pesticides should be stored in original labeled containers when possible. When transfer to another container is necessary because of leakage or damage, carefully mark, and identify contents of the new container.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of federal law. If these wastes cannot be disposed of by use according to label instructions, contact your state pesticide or environmental control agency or the hazardous waste representative at the nearest EPA regional office for guidance.

CONTAINER DISPOSAL: Triple rinse (or equivalent), adding rinsate to sprayer tank. Then either for recycling or reconditioning, or puncture and dispose of in sanitary landfill, or by other procedures approved by state and local authorities.

GENERAL INFORMATION

Apply as a post-emergent spray (read restrictions under "when to apply"). When properly timed there is little or no effect on the crop. Do not apply when crop is stressed from lack of moisture.

Do not graze or feed seedling Alfalfa, Clover and Birdfoot Trefoil within 60 days after application. Do not use on Sweetclover 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 amount of 2,4-D or MCPA may damage legumes; sprayer 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.

CONTROLS THESE WEEDS

At the recommended rates Butoxone Ester will control many seedling broadleaf weeds including those in the following list: Lambsquarters (Chenopodium album), Jimsonweed (Datura spp.), Ragweed (Ambrosia

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

APPLICATION

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 results spray weeds in the 2 to 5 leaf state 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 trifoliolate leaf stage and growing conditions are good. DO NOT use on established alfalfa. DO NOT use on peas.

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.

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

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

CONDITIONS OF SALE AND WARRANTY

CEDAR AND SELLER OFFER THIS PRODUCT AND THE BUYER ACCEPTS THIS PRODUCT UNDER THE FOLLOWING AGREED CONDITIONS OF SALE AND WARRANTY.

The directions for use of this product are believed to be reliable and should be followed carefully. However, it is impossible to take into account all variables and to eliminate all risks associated with its use. Injury or damage may result because of conditions which are beyond the control of Cedar or the Seller. Cedar warrants only that this product conforms to the chemical description on the label and is believed to be reasonably fit for the purposes referred to in the Directions for Use when used as directed under normal conditions. CEDAR MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. In no case shall Cedar or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product. Any variation or exception from this warranty must be in writing and signed by an authorized Cedar representative.

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CEDAR CHEMICAL CORPORATION

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MEMPHIS, TENNESSEE 38137, USA