

PRODUCT NO.
105

ACCEPTED
4-18-66
359-502

BUTOXONE SB®

NET CONTENTS
GALLONS

A Selective Weed Killer

For use as a foliage spray on soybeans to control certain broadleaf weeds including Cocklebur, Annual Morning Glory and Giant Ragweed.

ACTIVE INGREDIENT

Dimethylamine salt of

4-(2,4-dichlorophenoxy)butyric acid* 23.0%

INERT INGREDIENTS 77.0%

*Equivalent to 19.5% by weight of 4-(2,4-dichlorophenoxy)butyric acid, or not less than 1.75 lbs. 4-(2,4-DB) acid per gal. at 68°F. U.S. Patent No. 2,863,754

CAUTION: Keep Out of Reach of Children

CAUTION: Avoid contact with skin, eyes or clothing. Do not use so as to contaminate water intended for irrigation or domestic purposes. Do not re-use shipping containers. Do not store near fertilizers, insecticides, fungicides or seeds. Store at temperatures above 32°F. If allowed to freeze, re-mix before using. Avoid spray drift to susceptible plants and crops as it may injure cotton, tobacco, tomatoes, ornamentals, etc. (Coarse sprays are less likely to drift). Do not use on drought stressed beans or damage may result. Small amounts of 2,4-D, MCPA, silvex or 2,4,5-T may damage soybeans; sprayers previously used to apply these chemicals must be thoroughly cleaned with alkali and water before being used for applying Butoxone SB. Similarly, after using Butoxone SB give sprayer a thorough cleaning out before using it again to spray susceptible crops. Contact your supplier for special instructions on cleaning spray equipment.

GENERAL INFORMATION

Apply Butoxone SB when the broadleaf weeds listed are so abundant that they threaten to reduce crop yields. Although effects on susceptible weeds can generally be seen within a few days of application, weed kill is generally slow and may not take place in some cases, until later in the season. While some temporary twisting of the soybean plants may follow an application, this will have little or no permanent effect on the crop. Applications made under adverse growing conditions such as in periods of drought will result in poor weed control and injury to the beans. Under such conditions the crop should not be sprayed.

EFFECTS ON WEEDS: 1) Cocklebur (*Xanthium* spp.), giant ragweed (*Ambrosia* spp.) and annual morning glory (*Ipomoea* spp.) are particularly susceptible to Butoxone SB and are readily killed under normal growing conditions.

2) Velvet Leaf or cotton weed (*Abutilon* spp.) - initial curling or twisting is evident - spray when stem is 1/2" or narrower for best results. Larger plants will be severely injured but not killed.

3) Jimson Weed (*Datura* spp.) apply before Jimson Weed starts to bloom, but not before 10 days prior to bloom of soybeans.

4) At the rates recommended for use on soybeans, Butoxone SB has little or no effect on smartweed, common ragweed, lambsquarters, pigweeds, grasses and other weeds not listed.

DIRECTIONS

WHEN TO USE: Apply from 7 to 10 days before soybeans bloom through mid-bloom. When the soybean plants have turned a dark green color is usually a good indication that the beans are about to bloom. Do not harvest within 60 days of application. **CAUTION:** Do not apply if soybeans are suffering from lack of moisture.

AMOUNT TO USE: Apply recommended amount of Butoxone SB with 10 to 12 gals. of water per acre, according to the rates given in the following table:

If Application is Made at:	Apply 1 gal. Butoxone SB
7 to 10 days before bloom	to 10 acres
Bloom through mid-bloom	to 8 acres

Do not apply more or less than the recommended amount. For information on sprayer calibration, consult your County Agent or dealer.

HOW TO APPLY: Uniform overall coverage is essential - **Ground Spray Applications:** Use flat fan nozzles. Do not use drop or directed spray or boom jet nozzles. Adjust boom height above the crop so the tops of all weeds are sprayed. Use low pressure (about 20 to 40 pounds per square inch).

Airplane Application - Butoxone SB has been successfully applied by airplane using 5 gals. of total solution per acre. The height of application should insure thorough coverage of the tops of the weeds. Best control has resulted from airplane applications with coarse spray when cocklebur is at least crop high. Airplane application is not recommended in the vicinity of susceptible crops, such as cotton, tomatoes and tobacco.

Local conditions may affect the use of this chemical. Consult State or local agricultural authorities for specific recommendations as to dosage and time of application and for control of other weeds.

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.

Seller makes no warranty of any kind, express or implied, concerning the results of use of this product. Buyer assumes all risk of use or handling whether in accordance with directions or not.



Do NOT Store with Foodstuffs

Manufactured by

CHIPMAN CHEMICAL COMPANY, INC.

BURLINGAME, CALIF.

USDA Reg. No. 359-502

BB-2M-1-16

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