

PM 13 49037-5

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US ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDES PROGRAMS
REGISTRATION DIVISION (TS-767)
WASHINGTON, DC 20460

EPA REGISTRATION NO.
49037-5

DATE ISSUED
JUN 11 1991

TERM OF ISSUANCE
Until Reregistration

NOTICE OF PESTICIDE: REGISTRATION
 REREGISTRATION
(Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended)

NAME OF PESTICIDE PRODUCT
Swine and Cattle Oral
Larvicide

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Bioproducts, Inc.
#1 Industrial Road
Manson, Iowa 50563

160/5392956
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NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data or other material required for registration/reregistration of your product under FIFRA sec. 3(c)(5) or FIFRA sec. 4 when the Agency requires all registrants of similar products to submit such data.

2. Make the labeling changes listed below before you release the product for shipment:

- a. Add the phrase, "EPA Registration No. 49037-5."
- b. Under the Storage and Pesticide and Container Disposal Statement prepare two subheadings, "Pesticide Disposal" and "Container Disposal."

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE

3. Submit the following product chemistry information:

- a. On the Confidential Statement of Formula fill in item 17. Total Weight. Your figures indicate that the total weight should be 2060 lbs.
- b. Statement of Composition: A complete description of the formulation process. Describe equipment used, mixing time, temperature, pressure, etc.
- c. Discussion of Formation of Unintentional Ingredients: A brief description of during the manufacturing/formulation process, in packaging or during storage. If you do not expect any impurities during these stages, please so state. The information submitted is not correct.

4. Submit five copies of your final printed labeling before you release the product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

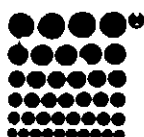
A stamped copy of the label is enclosed for your records.

George T. LaRocca
Product Manager 15
Insecticide-Rodenticide Branch
Registration Division (H7505C)

enclosures

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BIOPRODUCTS®

SWINE & CATTLE OPAL LARVICIDE

Contains RABON® Oral Larvicide to prevent the development of house flies in the manure of treated swine and to prevent development of face flies, horn flies, house flies and stable flies in manure of treated cattle.

BY WEIGHT

ACTIVE INGREDIENT

Tetrachlorvinphos: 2-Chloro-1-(2,4,5-trichlorophenyl) vinyl dimethyl phosphate 4.00 % *

INERT INGREDIENTS

96.00 % **

TOTAL

100.00 %

*RABON Insecticide - Contains 18.1 grams of RABON per pound
**Refers only to ingredients which are not larvicidal.

KEEP OUT OF REACH OF CHILDREN

CAUTION

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS CAUTION

Harmful if swallowed. Avoid contact with skin and eyes. Avoid breathing dust. Wash thoroughly with soap and water after handling and before eating or smoking. If in eyes, wash with plenty of water. If irritation persists, get medical attention. Wear long-sleeved shirt and pants; chemical resistant gloves; shoes and socks for protection when handling.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not contaminate water when disposing of equipment wash water.

BEST AVAILABLE COPY

50 LBS NET WEIGHT

EPA Reg. No. 49037
EPA Est. No. 49037-LA-001

RECORDED
INDEXED
JUN 17 1991

Product No. MSWCA050
FAPL Tag Plat. 2/91

SEE DIRECTIONS FOR USE ON BACK OF PACKAGE

49037.5

*Reg. U.S. Pat. Off.

- * It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
- * Rations containing this product may be fed up to slaughter.
- * Start feeding RABON larvicidal feeds early in the spring before flies begin to appear and continue feeding throughout the summer and into the fall until cold weather restricts fly activity.
- * When fed, this product passes through the digestive system into the animal's manure where it kills fly larvae on contact shortly after fly eggs hatch.
- * It prevents the development of face flies, horn flies, house flies, and stable flies in the manure of treated cattle, and house flies in treated swine, but it is not effective against existing adult flies.
- * In some cases, supplemental fly control measures may be needed in and around cattle lots and barns to control adult house flies and stable flies which can breed not only in manure but in other decaying vegetable matter or silage on the premises.
- * In order to achieve optimum fly control, this product should be used in conjunction with other good management and sanitation practices.
- * This product will mix uniformly in feeds when standard mixing procedures are followed. Thus, usual problems that are common to all feed preparation and which cause stratification, such as excessive free-fall or excessive handling are to be avoided. It is recommended that appropriate preblending techniques be employed to assure adequate distribution throughout the feed mix. The premix should be preblended with ground grain, protein supplement, mineral mixes, etc., before being added to roughages, such as chopped hay or silage. Mixing time should be adequate to assure uniform dispersion. Optimum performance can be assured only if this product is dispersed uniformly with the feedstuff at the recommended level. Common feed mixing equipment (i.e., Vertical mixers, horizontal blenders, mixer/feeder truck) may be used to prepare formulated feeds.
- * Feeds prepared with this product should not be pelleted, nor be mixed with feeds containing predominantly pellets. Further, this product should not be mixed in liquid feed supplements.

CATTLE - In a Concentrate Feed-Roughage Fed Separately

Swine & Cattle Oral Larvicide can be used to prepare concentrate feeds that will provide 792 mg. of RABON per animal per day.

To prepare a larvicidal concentrate feed, mix Swine & Cattle Oral Larvicide according to the amount of concentrate to be fed per animal per day. Use the following table as a guide for determining the proper mixing rate.

MIXING DIRECTIONS FOR CATTLE

Pounds of Concentrate Consumed per Animal per Day	RABON in the Concentrate mg/lb. %	Pounds of Swine & Cattle Oral Larvicide per Ton of Concentrate
.5	1584 0.35	174.6
1.0	792 0.18	87.3
1.5	528 0.12	58.2
2.0	396 0.087	43.7
5.0	159 0.035	17.5
10.0	79 0.018	8.7
15.0	53 0.012	5.8
20.0	39 0.0087	4.3
25.0	32 0.0069	3.5
30.0	26 0.0059	2.9

Feed the appropriate larvicidal concentrate to cattle weighing between 400 and 1200 pounds. For larger cattle weighing between 1200-1700 pounds, increase the amount of premix per ton of concentrate to 1-1/2 times that recommended.

In a Complete Ration - No Other Roughage Fed

Swine & Cattle Oral Larvicide can be used to prepare rations that contain 26.4 mg. of RABON per pound of complete ration. To prepare a larvicidal ration, mix 2.9 pounds of Swine & Cattle Oral Larvicide per ton of complete mixed ration containing both grain and roughage.

Full-feed this larvicidal complete ration to feeder cattle weighing from 400 to 1400 pounds or to dairy cattle at a rate to sustain milk production, but not less than 2.6 pounds of the ration per 100 pounds of body weight daily.

SWINE: All swine should be treated.

Pigs (weaners to market weight):

* Mix 2.5 lbs. of this product per ton of meal-type feed and offer free choice. This is equivalent to 22.7 mg. of RABON per lb. of feed.

Sows, Boars and Breeding Gilts:

* Mix 5.0 lbs. of this product per ton of meal-type feed and offer 4-6 lbs. of feed per animal per day. This is equivalent to 45.4 mg. of RABON per lb. of feed.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

STORAGE: Store in a dry place in original container.

DISPOSAL: Completely empty container into application (mixer/feeder) equipment. Then dispose of empty bag in a sanitary landfill or by incineration or, if allowed by State and local authorities, by burning. If burned, stay out of smoke. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal site.

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