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MAR 22 1983

Joseph Harris, Ph.D.
V.M.S., Inc.
P.O. Box 406
Montgomery, AL 36195-6001

Dear Dr. Harris:

Subject: Amendment - Add Swine
V.M.S. Rabon 7.76 Oral Larvicide Premix
EPA Registration No. 10461-6
Your Application Dated October 19, 1982

The amendment referred to above, submitted in connection with registration under FIFRA sec. 3(c)(7)(A), is acceptable, provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) 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 bearing the amended labeling:
 - a. Capitalize the "C" of "chloro" in the Rabon formula name and add "Each pound contains ____ gms/RABON." (Fill in the blank with the correct value.)
 - b. Please refer to the enclosed type size guide for assistance in selecting the correct print size for the front panel signal word, child hazard warning, and the heading "Storage and Disposal."
 - c. Delete "for 15 minutes" from the "If in eyes" advice.
 - d. ~~Delete "GENERAL CLASSIFICATION" since the ad uses on swine may not be appropriate.~~
 - e. Add to the General Description paragraph:

Prevents the development of house flies in the manure of treated swine.
 - f. Add the heading "CATTLE" immediately above the paragraph beginning "V.M.S. Rabon Oral Larvicide Premix will mix uniformly...."

3. Submit five (5) copies of your final printed labeling before you release the product for shipment.

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 bearing the amended labeling constitutes acceptance of these conditions.

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

Sincerely yours,

George T. LaRocca
Product Manager (15)
Insecticide-Rodenticide Branch
Registration Division (TS-767C)

Enclosure

3/6'

50 LBS.

NET WT.

RABON (R) 7.76 ORAL
LARVICIDE PREMIX

To prevent the development
of HORN FLIES, FACE FLIES, HOUSE FLIES and
STABLE FLIES
in the manure of treated cattle and
HOUSE FLIES in the manure of treated swine.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

MAR 22 1983

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for use pesticide
registered under EPA Reg. No.
10461-6

ACTIVE INGREDIENT:		BY WEIGHT
2-chloro-1-(2,4,5-trichlorophenyl) vinyl dimethyl phosphate.....		7.76%
INERT INGREDIENTS:.....		92.24%*
TOTAL		100.00%

*Refers only to ingredients which are not larvicidal. Rabon
is the registered trademark of Shell Oil Company.
U.S. Patent No: 3,102,842

KEEP OUT OF REACH OF CHILDREN
CAUTION

See below for additional precautionary statements.

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS
CAUTION

Keep out of reach of children. 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
for 15 minutes. If irritation persists, see a physician.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Keep out of lakes, streams
or ponds. Do not contaminate water by cleaning of equipment
or disposal wastes.

DIRECTIONS FOR USE:
GENERAL CLASSIFICATION

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

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GENERAL DESCRIPTION:

When fed to cattle V.M.S. RABON ORAL LARVICIDE passes through the digestive system into the animal's manure where it kills fly larvae on contact shortly after fly eggs hatch. By preventing larval development, V.M.S. RABON ORAL LARVICIDE helps to control horn flies and face flies on pasture and house flies and stable flies in and around cattle lots.

V.M.S. RABON ORAL LARVICIDE PREMIX will mix uniformly in cattle feeds when standard mixing procedures are followed. The 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 of V.M.S. RABON 7.76 ORAL LARVICIDE PREMIX throughout the feed mix. The premix should be preblended with ground grain, protein supplements, 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 V.M.S. RABON 7.76 ORAL LARVICIDE PREMIX 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 V.M.S. RABON 7.76 ORAL LARVICIDE PREMIX should not be pelleted, nor mixed with feeds containing predominantly pellets. Further, V.M.S. RABON 7.76 ORAL LARVICIDE PREMIX should not be mixed in liquid feed supplements.

IN A COMPLETE RATION - NO OTHER ROUGHAGE FED

V.M.S. RABON 7.76 ORAL LARVICIDE PREMIX can be used to prepare rations that contain 26.4 mg. of V.M.S. RABON per pound of complete ration.

To prepare a larvicidal ration, mix 1.5 pounds of V.M.S. RABON 7.76 ORAL LARVICIDE PREMIX 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 sustaining milk production, but not less than 2.6 pounds of the ration per 100 pounds of body weight daily.

IN A CONCENTRATE FEED - ROUGHAGE FED SEPARATELY

V.M.S. RABON 7.76 ORAL LARVICIDE PREMIX can be used to prepare concentrate feeds that will provide 792 mg. of V.M.S. RABON per animal per day.

To prepare a larvicidal concentrate feed, mix V.M.S. RABON 7.76 ORAL LARVICIDE PREMIX according to the amount of

concentrate to be fed per animal per day. Use the following table as a guide for proper mixing rate.

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Pounds of Concentrate Consumed per Animal per day	V.M.S. Rabon in the concentrate Mg/Lb.	%	Pounds of V.M.S. Rabon 7.76 Oral Larvicide Premix per ton of Concentrate
.5	1584	0.35%	90.0
1.0	792	0.18	45.0
1.5	528	0.12	30.0
2.0	396	0.087	22.5
5.0	159	0.035	9.0
10.0	79	0.018	4.5
15.0	53	0.012	3.0
20.0	39	0.0087	2.3
25.0	32	0.0069	1.8
30.0	26	0.0059	1.5

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 concentrate to 1 1/2 times that recommended.

Start feeding V.M.S. 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.

Rations containing V.M.S. RABON ORAL LARVICIDE may be fed up to slaughter and to lactating dairy cows without withholding the milk from market during or after treatment.

V.M.S. RABON ORAL LARVICIDE prevents the development of horn flies, face flies, house flies, and stable flies in the manure of treated cattle, but 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 cattle manure but other decaying vegetable matter or silage on premises.

In order to achieve optimum fly control, V.M.S. RABON LARVICIDE should be used in conjunction with other good management and sanitation practices.

SWINE: All swine should be treated.

PIGS - Weaners to Market: Mix 1.3 pounds of this product per ton of meal type feed and other free-choice. This is equivalent to 22.7 mgs. of Rabon per pound of feed.

