

310 / 204 956
16 / 2

NOV 04 1987

Mr. Jim Goehring
NutriBasics Company
222 Sylvania Street
P.O. Box 444
St. Joseph, MO 64502

Dear Mr. Goehring:

Subject: Amendment: Add Horse Use
Rabon 7.76 Oral Larvicide Premix
EPA Registration No. 56596-1
Your Application Dated February 27, 1986

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable provided that you make the labeling changes listed below before you release the product for sale bearing the amended labeling:

1. Change EPA Registration No. 328 6 to 56596-1. We assume the EPA Establishment Number is correct.
2. Change "RABON" within the Directions for Use to read "RABON 7.76 Oral Larvicide Premix" or to "this product" wherever it appear.
3. Provide the following product chemistry information:
 - a. Certified Limits--provide upper and lower certified limits of the individually added inerts.
 - b. Statement of Composition--a complete description of the formulation process. Describe equipment used, mixing time, temperature, etc.
 - c. Density--e.g., lb/gallon for liquids or lb/cu ft for solids.
 - d. pH--provide pH of product or pH of a specified water dilution.

16146:I:Newkirk:LR-14:KENCO:10/27/87:11/05/87:CB:VO:EK:aw:VO:CB
R:16154:Newkirk:LR-14:KENCO:10/29/87:11/09/87:aw:VO:EK:aw

CONCURRENCES

We have enclosed an updated Confidential Statement of Formula form for your use. Please resubmit.

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

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

Sincerely yours,

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

Enclosure

FRONT

CATTLE, SWINE, & HORSES

ACCEPTED
with COMMENTS
in EPA Letter Dated:

NOV - 4 1987

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.
576596-1

RABON® 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, and House Flies and Stable Flies in the manure of treated horses.

ACTIVE INGREDIENT	BY WEIGHT
2-chloro-1-(2, 4, 6-trichlorophenyl) vinyl dimethyl phosphate*	7.76%**
INERT INGREDIENTS	92.24%*
TOTAL	100.00%

*Refers only to ingredients which are not larvicidal.
**RABON Insecticide-Contains 35 grams of RABON per pound.
RABON is the registered trademark of Shell Oil Company.

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, 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 of wastes.

Directions for Use

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 and to lactating dairy cows without withholding the milk from market during or after treatment.

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 horn flies, face flies, house flies, and stable flies in the manure of treated cattle and house flies in treated swine, but is not effective against existing adult flies.

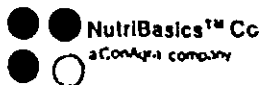
Manufactured By
NUTRIBASICS™ COMPANY
St. Joseph, Missouri 64502

EPA REG. NO. 32695-B
EPA EST. NO. 10543-MO-01

Control No. 3170



NET WEIGHT 25 LBS.



BACK

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 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 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.

This product 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 this product 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

Pounds of Concentrate Consumed per Animal per Day	RABON In the Concentrate		Pounds of RABON® 7.76 Oral Larvicide Premix per Ton of Concentrate
	mg/lb	%	
.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 and 1700 pounds, increase the amount of premix per ton of concentrate to 1½ times that recommended.

CATTLE: In a Complete Ration—No Other Roughage Fed.

This product can be used to prepare rations that contain 26.4 mg. of RABON per pound of complete ration.

To prepare a larvicidal ration, mix 1.5 pounds of this product 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 1.3 pounds of this product per ton of meal type feed and offer free choice. This is equivalent to 22.7 mg. of RABON per pound of feed.

Sows, Boars and Breeding Gilts: Mix 2.6 pounds of this product per ton of meal type feed and offer 4 to 6 pounds of feed per animal per day. This is equivalent to 45.4 mg. of RABON per pound of feed.

HORSES

In a Concentrate Feed

This product can be used to prepare concentrate feeds that will provide 70 mg. of Rabon per 100 pounds of body weight daily. All horses in the stable area should be treated.

To prepare a larvicidal concentrate feed, mix this product 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 Guide

<u>Pounds of Concentrate Consumed per Horse per Day</u>	<u>Pounds of Rabon 7.76 Oral Larvicidal Premix per Ton of Concentrate</u>			
	<u>250 lb. Horse</u>	<u>500 lb. Horse</u>	<u>1000 lb. Horse</u>	<u>2000 lb. Horse</u>
2.5	4.0	8.0	16.0	32.0
4.0	2.0	4.0	8.0	16.0
10.0	1.0	2.0	4.0	8.0
15.0	0.7	1.4	2.7	5.4
20.0	0.5	1.0	2.0	4.0

Storage and Disposal

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

Storage: Store in a dry place in original container.

Container Disposal: Completely empty bag into mixing 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.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on-site or at an approved waste disposal facility.