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Mr. Kevan Brekke
 Hubbard Milling Company
 424 North Front Street
 Mankato, MN 56001

Dear Mr. Brekke:

Subject: Amendment - Minor Formulation Change, Label Revision,
 and Product Name Change
 Hubbard One to One ROL Mineral
 EPA Registration No. 7698-7
 Application Dated December 3, 1985

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. A stamped copy is enclosed for your records.

Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:

1. Change "Keep out of lakes, streams or ponds" to "Do not apply to any body of water."
2. Change "Ingredients" over vitamin and mineral listing to "Feed Ingredients."
3. Delete "General Classification."

Any reference to 'general use' classification must be removed from (the product's name)'s labeling. 'General Use' as a classification is no longer deemed valid by the Agency, even when products are not subject to restricted use as in the case of (product name). If a product is classified for restricted use, this classification notifies individuals that the chemical may be applied only by or under the direct supervision of a certified applicator. The absence of a restricted use classification clearly implies that the aforementioned restriction does not apply to a particular pesticide or its uses. A second classification for general use is thereby unnecessary and should not appear on (product name)'s labeling.

88G65:LaRocca:RD-85/28:KENCO:10/11/85:Del.10/24/85:TAR

CONCURRENCES

SYMBOL ▶								
SUR-NAME ▶	<i>Neftel</i>							
DATE ▶	10-16-85							

4. The change in formulation is acceptable and a copy has been placed in the record for this product.
5. The product name change has been made in our records.

Sincerely yours,

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

Enclosure

HUBBARD

ONE TO ONE ROL MINERAL

(Contains Rabon® Oral Larvicide)

To prevent the development of horn flies, face flies, house flies and stable flies in the manure of treated cattle

ACTIVE INGREDIENT	BY WEIGHT
2-Chloro-1-(2,4,5-tri- <i>p</i> -phenoxy)-vinyl dimethyl phosphate	1.40%
INERT INGREDIENTS	98.60%
TOTAL	100.00%

*Each pound contains 6.3500 gm. RABON®

**Rofers only to ingredients which are not larvicidal

GUARANTEED ANALYSIS

CALCIUM (Ca) (Minimum)	14.5%
CALCIUM (Ca) (Maximum)	16.0%
PHOSPHORUS (P) (Minimum)	16.0%
IODINE (I) (Minimum)	90.4%
CL (NaCl) (Minimum)	7.0%
SALT (NaCl) (Maximum)	8.0%
VITAMIN A, USP UNITS (Minimum)	80,000
VITAMIN D, USP UNITS (Minimum)	8,000

INGREDIENTS

Monocalcium phosphate, dicalcium phosphate, salt, bentonite, cana-101-1555, vitamin A acetate, 1,2-activated animal strol (source of vitamin D3), magnesium sulfate, potassium sulfate, iron sulfate, copper sulfate, zinc oxide, iron oxide, cobalt carbonate, manganese carbonate, sodium selenite, ethylenediamine dihydrochloride, mineral oil, natural and artificial flavors.

**KEEP OUT OF REACH OF CHILDREN
CAUTION
SEE BACK OF LABEL FOR ADDITIONAL
PRECAUTIONARY STATEMENTS**

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.

EPA Reg No 7698-7
EPA Est No 7698-MN11

ACCEPTED
with COMMENTS
EPA Letter Dated:

OCT 16 1985

HUBBARD MILLING COMPANY

General Offices
Mankato, Minnesota 56001

8577-4

Net Weight shown on bag

Order the product you need, name, quantity, and address to the nearest distributor or contact the nearest distributor for more information.

7698-7

ABON is registered trademark of Shell Oil Company U.S. Patent
o. 3,102,842

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 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 of wastes.

DIRECTIONS FOR USE GENERAL CLASSIFICATION

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

When fed to cattle, Hubbard ONE-TO-ONE ROL Mineral 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, Hubbard ONE-TO-ONE ROL Mineral helps to control horn flies and face flies on pasture and house flies and stable flies in and around cattle lots. Hubbard ONE-TO-ONE ROL Mineral will mix uniformly in cattle 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 of Hubbard ONE-TO-ONE ROL Mineral 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 Hubbard ONE-TO-ONE ROL Mineral 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 Hubbard ONE-TO-ONE ROL Mineral should not be pelleted, nor be mixed with feeds containing predominantly pellets. Further, Hubbard ONE-TO-ONE ROL Mineral should not be mixed in liquid feed supplements.

Hubbard ONE-TO-ONE ROL Mineral can be offered either by force feeding or free-choice feeding, but not by both methods simultaneously.

When force feeding mineral feed Hubbard ONE-TO-ONE ROL Mineral at the rate of 2 oz. per animal per day to animals weighing between 400-1200 lb. by mixing it into the ground grain or complete daily ration. Cattle weighing between 1200-1800 lb. should be fed 3 oz. per day. Cattle weighing less than 400 lb. should be fed 0.5 oz. per day.

When free choice feeding Hubbard ONE-TO-ONE ROL Mineral, cattle should consume an average of 1/3 lb. of the mineral per 100 pounds of body weight per month. This will supply the recommended average daily intake of 70 mg. RABON® Oral Larvicide per hundred pounds body weight. Animals should not be starved for minerals before initiation of the RABON® Cattle Mineral Mix program but OMIT all salt from other food after the program is started. Do not feed other free choice sources of salt or mineral containing salt in any form. Allow one mineral feeder for each 15-20 head, and place near watering and loafing areas. Put out no more than one month's supply at a time and protect from rain.

If consumption of Hubbard ONE-TO-ONE ROL Mineral is above 1/3 lb. per 100 lb. of body weight per month, reduce the number of feeding locations or relocate. If consumption is below 1/3 lb. per 100 lb. of body weight per month, increase the number of feeding locations. Start feeding Hubbard ONE-TO-ONE ROL Mineral 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.

Hubbard ONE-TO-ONE ROL Mineral may be fed up to slaughter and to lactating dairy cows.

Hubbard ONE-TO-ONE ROL Mineral 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. When starting a feeding program during the fly season, it is desirable to use other control measures to reduce the population of existing adult flies.

In some cases, supplemental fly control measures may be needed in and around cattle lots and buildings to control adult house flies and stable flies which can breed not only in cattle manure but in other decaying vegetable matter or silage on the premises.

In order to achieve optimum fly control, Hubbard ONE-TO-ONE ROL Mineral should be used in conjunction with other good management and sanitation practices.

