

Reason To Issue: To propose maximum seasonal use rates.

Date: 7/15/93
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Co-Ral®

(coumaphos)

ANIMAL INSECTICIDE

1% BULK DUST

Control of Horn Flies and Lice on Beef and Dairy Cattle, Reduction of Face Flies on Beef and Dairy Cattle, Control of Lice on Swine

Use in Dust Bag, Shaker Can or Mechanical Dust Applicator

Active Ingredient:

0,0-Diethyl 0-(3-chloro-4-methyl-2-oxo-2H-1-benzopyran-7-yl) phosphorothioate

1%

Inert Ingredients:

99%
100%

EPA Est. No. 606-IL-1
EPA Reg. No. 11556-14

KEEP OUT OF REACH OF CHILDREN

CAUTION

See Side Panel for Statements of Practical Treatment and Other Precautionary Statements

NET WEIGHT 12.5 POUNDS

Manufactured for
Miles Inc., Agriculture Division, Animal Health Products
Shawnee Mission, Kansas 66201

ACCEPTED
OCT 24 1994
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 11556-14

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PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing dusts.
Avoid contact with eyes, skin, and clothing.

STATEMENTS OF PRACTICAL TREATMENT

- If swallowed - Call a physician or Poison Control Center immediately. Drink one or two glasses of water and induce vomiting by touching the back of the throat with finger. Repeat until vomit fluid is clear. Do not induce vomiting or give anything by mouth to an unconscious person.
- If inhaled - Remove victim to fresh air. Apply artificial respiration if indicated. Get medical attention if victim displays signs of poisoning.
- If on skin - Remove contaminated clothing and wash affected areas with soap and water.
- If in eyes - Flush eyes with plenty of water. Call a physician immediately.

To Physician: Prolonged exposure will result in cholinesterase depression. Atropine sulfate by injection is antidotal. 2-PAM is also antidotal and may be administered in conjunction with atropine.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to birds, fish and aquatic invertebrates. Do not contaminate water when disposing of equipment washwater or rinsate.

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STORAGE AND DISPOSAL

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

STORAGE: Store in a cool, dry place.

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

Container Disposal: Completely empty the container by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of bags in a sanitary landfill or by incineration if allowed by state and local authorities.

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DIRECTIONS FOR USE

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

Co-Ral 1% Bulk Dust may be used to fill cattle dust bags or it may be applied directly to cattle, swine or swine bedding by use of a shaker can or by a suitable mechanical dust applicator. When used as recommended, Co-Ral 1% Dust controls horn flies and lice on beef and dairy cattle and lice on swine. Co-Ral 1% Dust will also reduce face fly populations on cattle; however, as face flies are able to travel over an area of several miles, best reduction of face fly populations is achieved when Co-Ral 1% Dust is used on an area-wide bases.

INSTALLATION OF DUST BAGS:

Suspend the bags by inserting rope, chain or wire through the grommets at the top of the bag and attaching to an overhead structure or by hooking the grommets into hooks fastened to a stationary overhead 2 x 4 board at the heights recommended for louse and horn fly or face fly control. In areas of frequent or heavy rainfall Co-Ral 1% Cattle Duster should be protected from the weather.

Install as many Co-Ral 1% Cattle Dusters as necessary to lanes or other openings to assure proper dusting of the animals. After the bags are in place, pull the rip cord to allow the insecticide to fall into the bottom of the bag. When dust bags are provided on a free-choice basis, allow one 12.5-pound Co-Ral 1% Duster per 25 animals.

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RECOMMENDED APPLICATIONS

| ANIMAL | PARASITE | REMARKS |
|-----------------------|----------------------------------|---|
| Beef and Dairy Cattle | Horn Flies Lice Face Flies | <p><u>DUST BAG</u>: Place contents of this package in any commercially available dust bag. Suspend bags in areas frequented by cattle or in gateways or lanes through which the animals pass daily for water, feed or minerals. Bags may also be suspended in loafing sheds or in front of protected mineral feeders. For lactating dairy cows bags may be suspended in the exit through which cows <u>leave</u> the milking barn. In all cases the bags should be adjusted so that the bottom of the bag will hang four to six inches below the topline of the cattle. <u>For reduction of face flies</u>: (1) The bottom of the bags should be 18 to 24 inches from the ground to insure that the faces of the cattle will be dusted. (2) The bags must be located so the animals will be forced to use them daily.</p> |
| | Horn Flies Lice | <p><u>DIRECT APPLICATION</u>: Co-Ral 1% Dust may be applied by use of a shaker can or by using a suitable mechanical duster applicator. Animals should be thoroughly dusted using not more than 2 oz.* (6 level tablespoonfuls) of dust per animal per treatment. Treat no more than 12 times per season. Do not make applications less than 10 days apart.</p> |

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RECOMMENDED APPLICATIONS

| ANIMAL | PARASITE | REMARKS |
|---|----------|--|
| Swine | Lice | <p><u>DIRECT APPLICATION:</u> Apply not more than 1 oz.* (3 level tablespoonfuls) per head as a uniform coat to the head, shoulders and back by use of a shaker can or suitable mechanical dust applicator. Treat no more than 6 times per season. Do not make applications less than 10 days apart.</p> <p><u>BEDDING TREATMENT:</u> Apply 2 oz.* (6 level tablespoonfuls) uniformly over 30 square feet of fresh, dry bedding by use of shaker can or a suitable mechanical dust applicator. Treat no more than 6 times per season. Do not make applications less than 10 days apart.</p> <p><u>DIRECT APPLICATION AND BEDDING TREATMENT:</u> In severe infestations both individual animals and the bedding may be treated as directed above.</p> |
| No interval is required between treatment and slaughter or between treatment and use of milk as feed. | | |

*Note: 1 oz of this material equals approximately three level tablespoonfuls.

USE RESTRICTIONS

For external insecticidal use only on above-specified animals. Do not contaminate feed, troughs, water or water utensils. Provide thorough ventilation while dusting. Do not apply to sick, stressed or convalescent animals.

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**LIMITED WARRANTY AND
LIMITATION OF DAMAGES**

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