STATE OF HAWAII
Department of Agriculture

DISC.

ACCEPTED

LICENSE NO. 9618.74

RESTRICTED USE PESTICIDE:

Due to Acute Oral Hazard – For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's Certification.

Co-Ral®

Emulsifiable Livestock Insecticide

For Control of Horn Flies, Face Flies, Lice and Ticks

Active Ingredient:	Percent by Weight
coumaphos	11.6%
Other Ingredients*	88.4%
TOTAL:	100.0%

*Contains aromatic petroleum distillates.

This product contains 1.0 lb coumaphos per gallon.

EPA Est. No. 67517-MO-1 EPA Reg. No. 11556-23

NET CONTENTS:
1/2 Gallon (1.9L)

KEEP OUT OF REACH OF CHILDREN

DANGER ☠ POISON

PELIGRO

Fatal if swallowed. Harmful if absorbed through skin or inhaled. Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing.

SEE BACK PANEL FOR FIRST AID AND OTHER PRECAUTIONARY STATEMENTS

08844324
82728040, R.0

Bayer

FPO

7 24089 04324 5

Bayer HealthCare LLC, Animal Health Division,
P.O. Box 390, Shawnee Mission, Kansas 66201 U.S.A.
Bayer, the Bayer Cross, Co-Ral and Co-Ral logo are registered trademarks of Bayer.

DANGER ☠ POISON
PELIGRO

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are barrier laminate and viton (≥ 14 mils). If you want more options, follow the instructions for Category G on an EPA chemical-resistance category selection chart. Mixers, loaders, and others exposed to the concentrate (such as during a spill or equipment breakdown) must wear long-sleeve shirt and long pants, chemical-resistant gloves, chemical-resistant footwear plus socks, chemical-resistant apron, and face shield or goggles. Applicators and all other handlers exposed to the diluted product must wear long-sleeve shirt and long pants, chemical-resistant gloves, and chemical-resistant footwear plus socks. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from the other laundry.

USER SAFETY RECOMMENDATIONS

Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Read entire label and Conditions of Sale before using this product.

APPLICATION RESTRICTIONS

Co-Ral Emulsifiable Livestock Insecticide is a cholinesterase inhibitor. Do not use this product on animals simultaneously or within a few days before or after treatment or exposure to cholinesterase-inhibiting drugs or pesticides. Atropine sulfate by injection is antidotal. Consult veterinarian at the first sign of adverse reaction.

Do not apply in conjunction with oral drenches or other internal medications such as phenothiazine, nor with natural or synthetic pyrethroids or their synergists or with other organic phosphates.

For external insecticidal use only on specified animals.

Do not apply as a spray at rates above $1^{1}/_{4}$ ounce of Co-Ral Emulsifiable Livestock Insecticide per 4 gallons of water to lactating dairy cattle or non-lactating dairy cattle within 14 days of freshening. If freshening should occur within the interval after spraying, do not use milk for human food for balance of 14 day interval.

Do not apply to sick, convalescent or stressed livestock or to animals less than 3 months old.

Do not spray animals for 10 days before or after shipping or weaning or after exposure to contagious and infecting diseases.

Do not spray in a confined, non-ventilated area.

Do not treat areas such as drinking cups, mangers, or troughs where livestock feed. Do not contaminate water, food, feedstuffs, food or feed handling equipment, or milk or meat handling equipment.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

Individuals must limit the number of animals they treat per day with hand held sprayers to no more than 100, if the animals are treated at the maximum label rate, 200 if they are treated at $^{1}/_{2}$ maximum label rate,etc.

Co-Ral Emulsifiable Livestock Insecticide mixes readily with water to form an emulsion which is easily applied with ordinary spray equipment. One spray treatment is highly effective for control of flies, lice and ticks and provides residual control for several weeks.

Spray Treatment for Specified Ectoparasites: Operate spray equipment so as to thoroughly penetrate the hair coat. Re-treatment will be necessary only when insects reappear and constitute a problem.

Backrubber Application for Horn Flies and Face Flies: Co-Ral Emulsifiable Livestock Insecticide has proved to be ideal for backrubber application. When properly mixed and applied, excellent control of horn flies and face flies will be achieved. Best control is obtained when backrubbers are strategically located and properly treated. No.2 furnace oil (fuel oil) or No.2 diesel fuel oil is recommended for mixing with Co-Ral Emulsifiable Livestock Insecticide for use on backrubbers. Use of other oils may result in sludge formation that will prevent proper distribution in the reservoir-type backrubber.

Entry Restriction: Do not contact or allow others to contact treated animals until their coats are dry.

NOTICE TO VETERINARIANS: If the proper dosage of Co-Ral Emulsifiable Livestock Insecticide has been applied and adverse reactions, such as bloat, excessive salivation and posterior paralysis occur, it is highly probable that a host parasite reaction exists. Administer symptomatic treatment. Anti-inflammatory agents may be helpful. If necessary, relieve bloat by trocarization, as a stomach tube may traumatize a severely swollen esophagus. Do **not** administer atropine, as it is contraindicated in host parasite reactions. If toxicity should occur as a result of gross overdosage, atropine by injection is antidotal.

3.25″

Co-Ral®
Emulsifiable Livestock Insecticide
Keep Out of Reach of Children

DANGER ☠ POISON
PELIGRO

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

FIRST AID

Contains an organophosphate that inhibits cholinesterase.

If swallowed: • Call a poison control center or doctor immediately for treatment advice. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give any liquid to the person. • Do not give anything by mouth to an unconscious person.

If inhaled: • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.

If on skin or clothing: • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 – 20 minutes. • Call a poison control center or doctor for treatment advice.

If in eyes: • Hold eye open and rinse slowly and gently with water for 15 – 20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.

Note To Physician: Atropine sulfate by injection is antidotal. Repeat as necessary to the point of tolerance. 2-PAM is also antidotal and may be administered in conjunction with atropine. Contains petroleum distillate - vomiting may cause aspiration pneumonia.

HOTLINE NUMBER: Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency medical treatment call 1-800-422-9874. For customer service or to obtain product information, including MSDS, call 1-800-633-3796.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to mammals birds, fish and aquatic invertebrates. Coumaphos washed off of wading treated livestock may be hazardous to aquatic organisms. Do not contaminate water when disposing of equipment washwater or rinsate. Apply this product only as specified on this label.

08844324 82728059, R.0 Bayer, the Bayer Cross, Co-Ral and Co-Ral logo are registered trademarks of Bayer

ATTENTION: CONTENTS MUST BE DILUTED BEFORE USE

APPLICATION RATES

Do not apply more than 5 ounces of Co-Ral Emulsifiable Livestock insecticide per 4 gallons of water. For lactating dairy cattle do not apply more than 1¼ ounces Co-Ral Emulsifiable Livestock insecticide per 4 gallons of water.

ANIMAL	PARASITE	Fl.oz. Co-Ral Emulsifiable Livestock Insecticide	REMARKS
Beef and Non-Lactating Dairy Cattle	Horn Flies, Lice	2 1/2	**SPRAY TREATMENTS:** Apply specified dosage in 4 gallons of water for a complete wetting to run-off. Repeat as necessary.
	Ticks	5	
Beef and Lactating Dairy Cattle	Horn Flies Face Flies	9 3/4	**CATTLE BACKRUBBERS:** Mix specified dosage in 1 gallon of No. 2 fuel oil or No. 2 diesel fuel. Saturate the fiber portion of the backrubber with this mixture. Place the backrubber where animals congregate or travel regularly. For dairy cattle suspend at a height that will prevent straddling. Resaturate backrubber as needed. **Note:** For most effective face fly control the rubber should be constructed so as to permit the animal to rub its face. No interval is required between treatment and slaughter or use of milk.
	Lice	1 1/4	**SPRAY TREATMENT(S):** Apply specified dosage in 4 gallons of water for a complete wetting to run-off. Repeat as necessary.
Horses (Not intended for slaughter)	Horn Flies, Lice	2 1/2	**SPRAY TREATMENT(S):** Apply specified dosage in 4 gallons of water for complete wetting. Treat thoroughly all wounds and injuries. Repeat as necessary.
	Ticks	5	
Swine	Lice	2 1/2	**SPRAY TREATMENT(S):** Apply specified dosage in 4 gallons of water for a complete wetting to run-off. Repeat as necessary.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Do not allow to freeze. Keep from extreme heat.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label directions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. Offer for reconditioning, if appropriate. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning, if available, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities.

CONDITIONS OF SALE: The directions on this label are believed to be adequate and must be followed carefully. This product has been tested under different environmental conditions similar to those that are ordinary and customary for use of the product. However, it is impossible to eliminate all risks associated with the use of the product. Failure to follow label directions may cause injury to animals, humans and damage to the environment. Insufficient control of pests, injury or other unintended consequences may result because of such factors as weather conditions, presence of other materials or the manner of use or application, all of which are beyond the control of Bayer HealthCare LLC. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.

Limited Warranty and Limitation of Damages: Bayer HealthCare LLC, Animal Health Division warrants that this material conforms to the chemical description on the label. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL, and no agent of Bayer is authorized to make or modify any warranties beyond those contained herein. Any damages arising from breach of this warranty shall be limited to direct damages and shall not include special, incidental or consequential damages resulting from the use of handling of this product.

EPA Reg. No. 11556-23 08844324
EPA Est. No. 67517-MO-1 82728059, R.0
Bayer, the Bayer Cross, Co-Ral and Co-Ral logo are registered trademarks of Bayer.