

ROUND-UP EC LIVESTOCK INSECTICIDE

FOR CONTROL OF LISTED PARASITES ON CATTLE AND HORSES

ACTIVE INGREDIENT:

O,O-Diethyl O- [3-chloro-4-methyl-2-oxo-(2H)-
1-benzopyran-7-yl] - phosphorothioate (Coumaphos) 11.6%

INERT INGREDIENTS:

88.4%

TOTAL 100.0%

SEP 29 1972

NET CONTENTS: _____

EPA REG. NO. 2749-234

UNDER THE FEDERAL INSECTICIDE
FUNGICIDE AND RODENTICIDE ACT
ECONOMIC POISON REGISTER
NO. 2749-234 SUBJECT
ATTACHED COMMENTS

WARNING: KEEP OUT OF THE REACH OF CHILDREN.

MAY BE POISONOUS IF SWALLOWED, INHALED OR ABSORBED THROUGH THE SKIN. DO NOT BREATHE DUST OR SPRAY MIST. USE WITH ADEQUATE VENTILATION AND PROTECTIVE CLOTHING. AVOID CONTACT WITH EYES, SKIN, THROAT AND NOSE. IN CASE OF CONTACT, WASH THOROUGHLY WITH SOAP AND WATER. WASH CONTAMINATED CLOTHING WITH SOAP AND HOT WATER BEFORE REUSE.

IF POISONING OCCURS, GET PROMPT MEDICAL AID.

NOTE TO PHYSICIAN: PROLONGED EXPOSURE WILL RESULT IN CHOLINESTERASE DEPRESSION. ANTIDOTE IS ATROPINE SULFATE. 2-PAM IS ALSO ANTIDOTAL AND MAY BE ADMINISTERED IN CONJUNCTION WITH ATROPINE.

KEEP AWAY FROM DOMESTIC ANIMALS AND FOODSTUFFS. THIS PRODUCT IS TOXIC TO FISH, WILDLIFE AND BIRDS. KEEP OUT OF ANY BODY OF WATER. DO NOT APPLY WHEN WEATHER CONDITIONS FAVOR DRIFT FROM AREAS TREATED. DO NOT APPLY WHERE RUNOFF IS LIKELY TO OCCUR. DO NOT CONTAMINATE WATER BY CLEANING OF EQUIPMENT OR DISPOSAL OF WASTES. APPLY THIS PRODUCT ONLY AS SPECIFIED ON THIS LABEL.

DO NOT REUSE EMPTY CONTAINER. DESTROY EMPTY CONTAINER BY PERFORATING OR CRUSHING AND BURYING IN A SAFE PLACE.

DO NOT USE, POUR, SPILL OR STORE NEAR HEAT OR OPEN FLAME.

ROUNDUP EC mixes easily 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: **ROUNDUP EC** has proved to be an ideal insecticide 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 **ROUNDUP EC** for use in backrubbers. Use of other oils may result in sludge formation that will prevent proper distribution in the reservoir-type backrubber.

SPRAY TREATMENT FOR CATTLE GRUB CONTROL: Spray treatment(s) should be applied in such a manner that the skin, not just the hair, becomes thoroughly wet. Spray pressures of 250 to 350 pounds per square inch are recommended. Operate box-type spray chutes at maximum pressure for thorough overall wetting and penetration.

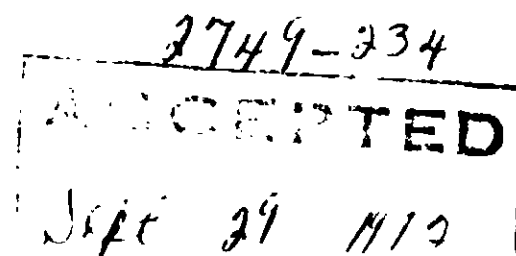
TIMING OF APPLICATIONS FOR CATTLE GRUB CONTROL: Treatment of cattle with **ROUNDUP EC** can be made at any time during the grub season, however, most beneficial effects will be achieved by treating early in the grub season. Treat as soon as possible after activity of heel fly has ceased and preferably at least 6 weeks prior to expected appearance of grubs in the back. Treatments applied very near to or during the time grubs are appearing in the back will destroy the grubs but considerable damage will have already occurred.

RESTRICTIONS: DO NOT APPLY as a spray to lactating dairy cattle, animals less than 3 months old, sick, convalescent, or stressed livestock. Do not apply as a spray to non-lactating cattle within 14 days of freshening. If freshening should occur within this interval, do not use milk as human food for the balance of the 14-day interval.

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

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

Coumaphos is a cholinesterase inhibitor. Do not use this product on animals simultaneously or within a few days before or after treatment with or exposure to cholinesterase inhibiting drugs, pesticides or chemicals. Atropine is antidote. Consult veterinarian at first sign of an adverse reaction.



RECOMMENDED APPLICATIONS

DO NOT APPLY MORE THAN 12 QUARTS OF ROUNDUP EMULSIFIABLE CONCENTRATE PER 100 GALLONS OF WATER.

ANIMAL	PARASITE	QTS. OF ROUNDUP EC	REMARKS
<u>BEEF CATTLE</u>	<u>Horn flies</u>	2	<p>• SPRAY TREATMENTS: Apply specified dosage in 100 gallons of water for a complete wetting to run-off. Repeat as necessary.</p>
	<u>Lice</u>		
	<u>Ticks</u>	4	<p>SPRAY TREATMENT: Apply specified dosage in 100 gallons of water as a high pressure spray so as to wet the skin, not just the hair, of the animal. Thoroughly treat all accessible portions of wound areas and injuries. Repeat as necessary.</p>
	<u>Screw worms</u>	8	
	<u>Grubs</u>	12	<p>DOUBLE SPRAY TREATMENT: Apply specified dosage in 100 gallons of water as a high pressure spray. Make 2 applications per season, not more than three months apart. The second application should be soon after heel fly activity has ceased.</p>
<u>DAIRY AND BEEF CATTLE</u>	<u>Horn flies</u> <u>Face flies</u>	4	<p>CATTLE BACKRUBBERS: Mix specified dosage in 13 gallons of No. 2 furnace oil or No. 2 diesel oil. Saturate the fibre 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.</p> <p>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.</p>
<u>HORSES</u>	<u>Horn flies</u>	2	<p>SPRAY TREATMENT: Apply specified dosage in 100 gallons of water for complete wetting. Thoroughly treat all accessible wound areas and injuries. Repeat as necessary.</p>
	<u>Lice</u>		
	<u>Ticks</u>	4	
	<u>Screw worms</u>	8	

RECEIVED