

NET CONTENTS 1 GALLON

2 LB. RONNEL CONCENTRATE

BACKRUBBER DIRECTIONS

For general use in cattle oilers to control horn flies, and aid in the control of lice if used continuously, and face flies if backrubber is placed so animals can rub faces, on beef cattle and dairy animals through the summer and colder months. Dilute this product one part in 27 parts of diesel or mineral oil. Do not mix with motor oil. The mechanical oiler or backrubber should be located in an area that will allow cattle free access to the mechanism. These areas would include loafing areas, feed lots, or salt licks.

Initially charge or saturate the oiler with diluted material when placed and repeat in 10 to 14 days or as needed to give insect control.

Backrubber may be used any time on beef or dairy cattle.

WARNING: Ronnel 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. Treatment with excessive dosages of organophosphates may lead to the general symptoms of muscular weakness, diarrhea, and excessive salivation. At the first sign of adverse reaction, consult a veterinarian. Atropine is an antidote.

NOTE TO PHYSICIAN: Ronnel is a cholinesterase inhibitor. Treat symptomatically. Atropine is an antidote.

NOTICE

Seller warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, express or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.

Distributed By
LAND O'LAKES, INC.
Fort Dodge, Iowa

LAND O LAKES



ACCEPTED
JUL 18 1974
UNDER FEDERAL INSECTICIDE
FUNGICIDE AND FUNGICIDE ACT
FOR ECONOMIC POISON REGISTERED
UNDER NO. SUBJECT
TO ATTACHED COMMENTS.

1381-77

2 LB. RONNEL CONCENTRATE

An insecticide concentrate for
use in livestock oilers.

A spray concentrate for use on
livestock and farm buildings.

TO CONTROL FLIES, LICE, MOSQUITOES, SPIDERS, ANTS AND COCKROACHES

ACTIVE INGREDIENTS:
Ronnel (O,O-dimethyl O-(2,4,5-trichlorophenyl) phosphorothioate) 24%
Xylene and related hydrocarbons 59%
INERT INGREDIENTS: 17%
Contains Korlan® 8 — trademark of the Dow Chemical Company
(2 LBS. RONNEL PER GALLON)

CAUTION
KEEP OUT OF THE REACH OF CHILDREN!

Injurious to the eyes, irritating to the skin, harmful if swallowed. Do not get in the eyes. Avoid contact with the skin. Avoid breathing of spray mist. Keep out of reach of animals. Avoid contamination of food, feedstuffs and water supplies. Wash thoroughly with soap and water after handling.

This product toxic to fish. Keep out of lakes, streams, or ponds. Do not contaminate water by cleaning of equipment or disposal of waste. Apply only as specified on this label.

Do not reuse empty container. Destroy container by crushing and perforating and bury in non-crop land away from water supplies.

COMBUSTIBLE LIQUID! KEEP AWAY FROM HEAT AND OPEN FLAME!

2 LB. RONNEL CONCENTRATE

SPRAY DIRECTIONS

CAUTION! COMBUSTIBLE MIXTURE!

An External Livestock remedy. Not for human use. 2 Lb. Ronnel Concentrate mixes readily with water or oil. To prepare a finished spray, see chart.

Spray Recommendations

Do not use in edible products areas of food processing plants, restaurants or other areas where food is commercially prepared or processed. Do not use in serving areas while food is exposed.

DILUTE SPRAY USE PRECAUTIONS

Do not spray sheep and goats within 28 days of slaughter.

Do not spray beef cattle with ¼ % spray within 14 days of slaughter. Do not spray beef cattle with ½ % spray within 7 days of slaughter. Beef cattle may be sprayed with ¼ % spray any time prior to slaughter.

Do not use spray on animals producing milk for human consumption.

Dairy cows should be treated early in their dry period. Do not spray dairy animals with ¼ % spray for 14 days prior to freshening. If dairy cows or heifers freshen within 14 days of the last spray treatment, milk must not be used for food for the required 14 days after the last spray treatment with ¼ % spray.

Do not spray dairy animals with ¼ % or ½ % spray for 7 days prior to freshening. If dairy cows or heifers freshen within 7 days of the last spray treatment, milk must not be used for food for the required 7 days after the last spray treatment with ¼ % or ½ % spray. Remove lactating dairy animals from buildings while applying residual fly sprays.

WARNING: Ronnel 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. Treatment with excessive dosages or organophosphates may lead to the general symptoms of muscular weakness, diarrhea, and excessive salivation. At the first sign of adverse reaction, consult a veterinarian. Atropine is an antidote.

EPA Reg. No. 1381-77
EPA Est. 107-1A-1

N-2579B-C

Distributed By
LAND O'LAKES, INC.
Fort Dodge, Iowa

2 LB. RONNEL CONCENTRATE

SPRAY DIRECTIONS

CAUTION! COMBUSTIBLE MIXTURE!

An External Livestock remedy. Not for human use. 2 Lb. Ronnel Concentrate mixes readily with water or oil. To prepare a finished spray, see chart.

Spray Recommendations

Do not use in edible products areas of food processing plants, restaurants or other areas where food is commercially prepared or processed. Do not use in serving areas while food is exposed.

DILUTE SPRAY USE PRECAUTIONS

Do not spray sheep and goats within 28 days of slaughter.

Do not spray beef cattle with $\frac{3}{4}$ % spray within 14 days of slaughter. Do not spray beef cattle with $\frac{1}{2}$ % spray within 7 days of slaughter. Beef cattle may be sprayed with $\frac{1}{4}$ % spray any time prior to slaughter.

Do not use spray on animals producing milk for human consumption.

Dairy cows should be treated early in their dry period. Do not spray dairy animals with $\frac{3}{4}$ % spray for 14 days prior to freshening. If dairy cows or heifers freshen within 14 days of the last spray treatment, milk must not be used for food for the required 14 days after the last spray treatment with $\frac{3}{4}$ % spray.

Do not spray dairy animals with $\frac{1}{4}$ % or $\frac{1}{2}$ % spray for 7 days prior to freshening. If dairy cows or heifers freshen within 7 days of the last spray treatment, milk must not be used for food for the required 7 days after the last spray treatment with $\frac{1}{4}$ % or $\frac{1}{2}$ % spray. Remove lactating dairy animals from buildings while applying residual fly sprays.

WARNING: Ronnel 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. Treatment with excessive dosages or organophosphates may lead to the general symptoms of muscular weakness, diarrhea, and excessive salivation. At the first sign of adverse reaction, consult a veterinarian. Atropine is an antidote.

EPA Reg. No. 1381-77
EPA Est. 107-1A-1

N-2579B-C

Distributed By
LAND O'LAKES, INC.
Fort Dodge, Iowa

SPRAY RECOMMENDATIONS

PROBLEM	Amount RONLAN 24E for				REMARKS
	Ronnel (%)	1 gal.	25 gal.	100 gal.	
LIVESTOCK INSECTS					
Cattle and Calves:					
Hornflies, ear ticks and screwworms	$\frac{1}{2}$ %	2 $\frac{3}{4}$ oz.	2 qt.	2 gal.	Dilute with water only. Spray entire animal to wet thoroughly. Retreat as necessary but not more often than every 2 weeks.
Lice	$\frac{1}{4}$ %	1 $\frac{1}{2}$ oz.	1 qt.	1 gal.	
Lone Star and Winter Ticks	$\frac{3}{4}$ %	1 oz.	3 qt.	3 gal.	
Sheep, Goats, Lambs and Kids:					
Hornflies, screwworms and fleeceworms	$\frac{1}{2}$ %	2 $\frac{3}{4}$ oz.	2 qt.	2 gal.	For ear ticks, spray ears and surrounding area thoroughly.
Lice and sheep keds	$\frac{1}{4}$ %	1 $\frac{1}{2}$ oz.	1 qt.	1 gal.	
Hogs: Lice	$\frac{1}{4}$ %	1 $\frac{1}{2}$ oz.	1 qt.	1 gal.	
RESIDUAL FLY SPRAY - A					
$\frac{1}{2}$ % spray will give about 2 weeks control. A 1 % spray will give 4-6 weeks control.					
Farm Buildings - Poultry houses, livestock shelters, milk rooms, dairy and hog barns					
	$\frac{1}{2}$ %	2 $\frac{3}{4}$ oz.	2 qt.	2 gal.	Add 3 ounces of sugar per gallon for added effectiveness. To prevent contamination keep milk and milking equipment covered while spraying. Do not spray directly on birds.
	or 1 %	5 $\frac{1}{4}$ oz.	1 gal.	4 gal.	
Meat, poultry, and other food processing plants, refuse areas and containers					
	1 %	5 $\frac{1}{4}$ oz.	1 gal.	4 gal.	Do not apply in the edible product areas of food processing plants.
Restaurants and super-markets (Outside area)					
	$\frac{1}{2}$ %	2 $\frac{3}{4}$ oz.	2 qt.	2 gal.	Spray outside walls, receiving docks, doorways and refuse areas.
	or 1 %	5 $\frac{1}{4}$ oz.	1 gal.	4 gal.	
Dwellings - Outside areas, including porches, patios, and garages					
	$\frac{1}{2}$ %	2 $\frac{3}{4}$ oz.	2 qt.	2 gal.	Spray to point of runoff.
	or 1 %	5 $\frac{1}{4}$ oz.	1 gal.	4 gal.	
Caged layers - on wire					
	2 %	10 $\frac{3}{4}$ oz.	2 gal.	8 gal.	Spray poultry droppings beneath cages.
FLY BAIT - Where flies congregate: floors, windows, and doorways.					
	2 %	10 $\frac{3}{4}$ oz.	2 gal.	8 gal.	Add 3 ounces of sugar per gallon diluted spray. Spray or sprinkle at 1 to 2 day intervals until control is obtained. Do not use in food handling or food processing areas.
DARKLING BEETLES in poultry houses.					
	$\frac{1}{2}$ %	2 $\frac{3}{4}$ oz.	2 qt.	2 gal.	Spray floors, footings, and lower 2 ft. of inside walls of poultry houses. Use 2 gal. of spray per 100 sq. ft. of area. Allow spray to dry before birds are placed on litter. Retreat as necessary, but remove birds from area until spray is dry.
COCKROACH CONTROL - Use 1 % spray for German roaches, 2 % for others.					
Buildings - Dwellings, institutions and food handling establishments.					
	1 %	5 $\frac{1}{4}$ oz.	1 gal.	4 gal.	Apply as a spot spray to all areas frequented by cockroaches. Do not use in edible product areas or in serving areas while food is exposed.
	or 2 %	10 $\frac{3}{4}$ oz.	2 gal.	8 gal.	
Food Processing Plants					
	1 %	5 $\frac{1}{4}$ oz.	1 gal.	4 gal.	Do not apply in the edible products areas of food processing plants.
	or 2 %	10 $\frac{3}{4}$ oz.	2 gal.	8 gal.	
Meat Packing and Poultry Processing Plants					
	2 %	10 $\frac{3}{4}$ oz.	2 gal.	8 gal.	
MISCELLANEOUS INSECTS - Fleas and spiders in buildings, laundry trucks, and dog kennels.					
	1 %	5 $\frac{1}{4}$ oz.	1 gal.	4 gal.	Apply 1 gallon of dilute spray per 1000 sq. ft. Spray floors, walls, cracks, crevices, sleeping quarters of pets, etc., where insects breed and harbor. Do not use in food handling or food processing areas.
Bedbugs in buildings and sleeping quarters, on beds and bedding.					
	1 %	5 $\frac{1}{4}$ oz.	1 gal.	4 gal.	Spray mattress and bedding lightly, including seams and folds, cracks and crevices in bed frames, walls, baseboards, and floors. Allow bedding and mattress to dry before using.
Fleas in lawns and kennel runs.					
	1 %	5 $\frac{1}{4}$ oz.	1 gal.	4 gal.	Spray infested areas. Keep children off treated area until spray has dried.
Ants, crickets, mosquitoes and silverfish.					
	1 %	5 $\frac{1}{4}$ oz.	1 gal.	4 gal.	Spray directly on insects where possible. Spray surfaces where insects alight, breed, or congregate such as under sinks and drainboards, in cabinets, and around baseboards, door sills and frames, window frames, garages, and outbuildings. Retreat as necessary.