

REGISTERED

6/24/68



REG. IDENTIFICATION

PATON REG. NO.

1386-532

RONNEL-2

Emulsifiable Concentrate

CONTROLS FLIES AND CERTAIN OTHER INSECTS ON
LIVESTOCK AND IN DAIRY BARN AND OTHER FARM BUILDINGS
Contains KORLAN®

INGREDIENTS

ACTIVE INGREDIENTS:

Ronnel [0,0-dimethyl 0-(2,4,5-trichlorophenyl) phosphorothioate]* 23.8%

Aromatic petroleum derivative solvent 60.2%

INERT INGREDIENTS 16.0%

Total 100.0%

*Technical grade; not suitable for internal use in livestock

CONTAINS 2 POUNDS RONNEL PER GALLON

KORLAN® —Proprietary name for Ronnel

T.M. Reg. U.S. Pat. Off., The Dow Chemical Company

CAUTION

Keep Out of Reach of Children

See Remainder of CAUTION Statement on Side Panel

USDA Reg. No. 1386-532

Net Volume

5 U.S. Gallons Liquid

FC-940-A6-68

PROD. 249

MANUFACTURED BY

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UNICO Ronnel-2 Emulsifiable Concentrate

DIRECTIONS FOR USE

MIXING—Prepare finished spray by mixing this concentrate with water in one of the following dilutions to provide the percentage of Ronnel for each application:

Percent of Ronnel	1 Gallon	3 Gallons	25 Gallons
0.15	1-2/3 Tbs.	5 Tbs.	1-1/4 Pt.
0.25 (1/4%)	2-1/2 Tbs.	1/4 Pt.	1 Qt.
0.50 (1/2%)	5 Tbs.	1/2 Pt.	2 Qt.
0.75 (3/4%)	7-1/2 Tbs.	3/4 Pt.	3 Qt.
1.00	1/3 Pt.	1 Pt.	1 Gal.
2.00	2/3 Pt.	1 Qt.	2 Gal.

DILUTE WITH WATER ONLY.

LIVESTOCK INSECTS

CATTLE AND CALVES—To control horn flies, use 0.50 percent (1/2%) spray; to control lice, use 0.25 percent (1/4%) spray; to control lone star tick and winter tick, use 0.75 percent (3/4%) spray.

SHEEP, GOATS, LAMBS, AND KIDS—To control wool maggots and horn flies, use 0.50 percent (1/2%) spray; to control lice and sheep keds, use 0.25 percent (1/4%) spray.

HOGS—To control lice, use 0.25 percent (1/4%) spray. Repeat as necessary, but not more frequently than once every 2 weeks. Spray entire animal to wet hair coat thoroughly and uniformly.

BACK RUBBER DEVICES—To control horn flies and to aid in control of lice on cattle use 1 part of concentrate mixed in 25 parts of diesel or similar petroleum oil (approximately 1 percent of Ronnel); e.g., 1 pint of concentrate in 3 1/8 gallons of diesel oil, and apply this mixture to saturate fabric covering of back rubber device (1 gal./20 ft. of cable) or to fill storage tank of machine applicator. Recharge as necessary. The back rubber device should be continuously and readily accessible to the cattle; preferably, it should be installed in a location where the cattle will be forced to rub against it in going from one area or another. DO NOT MIX WITH USED MOTOR OIL.

DO NOT APPLY SPRAY TO OR MAKE BACK RUBBER DEVICES AVAILABLE TO LACTATING DAIRY ANIMALS, OR TO DRY DAIRY ANIMALS WITHIN 21 DAYS OF FRESHENING. DO NOT APPLY SPRAY TO OR MAKE BACK RUBBER DEVICES AVAILABLE TO BEEF CATTLE WITHIN 8 WEEKS OF SLAUGHTER. DO NOT APPLY TO SHEEP AND GOATS WITHIN 12 WEEKS OF SLAUGHTER. DO NOT APPLY TO HOGS WITHIN 6 WEEKS OF SLAUGHTER. DO NOT APPLY SPRAY TO OR MAKE BACK RUBBER DEVICES AVAILABLE TO ANY ANIMALS RECEIVING AN ORGANIC PHOSPHATE TREATMENT FROM ANY OTHER SOURCE AT THE TIME OF TREATMENT. DO NOT CONTAMINATE FOOD PRODUCTS, FEED, WATER, FEEDING AND WATERING TROUGHS AND DEVICES.

FLY CONTROL

RESIDUAL SPRAY—To control house flies in dairy barns, livestock shelters, poultry houses, and hog barns, use 0.50 percent (1/2%) or 1.00 percent (1%) spray, and apply at the rate of 1 gallon of diluted spray per 500 to 1,000 square feet to walls, ceilings, partitions, and other interior and exterior surfaces where flies congregate. Sugar at the rate of 3 ounces per gallon of diluted spray may be added for increased effectiveness. REMOVE LACTATING DAIRY ANIMALS FROM BUILDINGS DURING APPLICATION OF RESIDUAL SPRAYS. DO NOT CONTAMINATE FOOD PRODUCTS, FEED, WATER, AND FEEDING AND WATERING TROUGHS. KEEP MILKING EQUIPMENT COVERED WHILE SPRAYING. DO NOT APPLY IN MILK ROOMS OR AREAS WHERE MILK IS PROCESSED OR STORED.

To control house flies in food processing plants, use 0.50 percent (1/2%) or 1.00 (1%) spray, and apply to interior surfaces and areas where flies congregate, WHEN PLANT IS NOT IN OPERATION. Cover produce and equipment before spraying. Apply the spray also to outside areas around doorways and receiving docks and to refuse areas to improve control of flies. Ventilate and clean plant before resuming operation.

To aid in control of house flies in poultry processing plants, meat packing plants, restaurants, and supermarkets, use 0.50 percent (1/2%) or 1.00 percent (1%) spray and apply to outside areas and walls, receiving, and shipping docks, doorways, refuse and inedible products areas. Do not apply to interior surfaces or areas.

To control house flies around caged layers (on wire), use 2.00 percent (2%) spray, and apply thoroughly to poultry droppings beneath cages. Do not apply to surfaces contacted by poultry or over which the birds feed.

To control house flies around refuse areas and in refuse containers, use 1.00 percent (1%) spray, and apply liberally to all exposed surfaces.

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Repeat applications as necessary. Generally, application of 0.5 percent (1/2%) spray should be repeated in about 2 weeks, and that of 1.00 percent (1%) spray in about 4 weeks.

FLY BAIT—Use 2 percent (2%) spray, and add 3 ounces of sugar per gallon of diluted spray. Apply by spraying or sprinkling to areas in barns and livestock shelters where flies congregate or rest, such as windows, doorways, and floors. Repeat at 1 to 2-day intervals as necessary. DO NOT CONTAMINATE MILK OR MILKING EQUIPMENT, FEED, OR FOOD PRODUCTS.

COCKROACH CONTROL

To control cockroaches in dwellings, institutions, and food handling establishments, use 2 percent (2%) spray, and apply when space or area is not occupied, as spot treatment of all areas frequented by roaches. The spray should be coarse so as to be driven into inaccessible areas and crevices where cockroaches hide. Cover food and food handling equipment before spraying. Ventilate and clean treated area before permitting it to be occupied.

To control cockroaches in food processing plants, use 2 percent (2%) spray, and apply as directed in paragraph above WHEN PLANT IS NOT IN OPERATION. Cover produce and equipment before spraying. Ventilate and clean plant before resuming operation.

To control German cockroaches in restaurants and supermarkets, use 2 percent (2%) spray made by diluting 2/3 pint of this concentrate in 1 gallon of kerosene (instead of water) and apply as a fine mist spray by remote control at the rate of 1 gallon of diluted spray per 50,000 cubic feet, WHEN THE BUILDING IS NOT OCCUPIED. Cover exposed food and equipment before spraying. Thoroughly ventilate and clean treated space before permitting it to be occupied.

Repeat treatments as necessary.

MISCELLANEOUS INSECTS

FLEAS—To control fleas, use 1 percent (1%) spray; in buildings and kennels, apply treatment to floors and sleeping quarters of pets where the insects harbor; in lawns, apply to infested areas. Keep children and pets off treated areas until spray has dried. Repeat as necessary.

BEDBUGS—To control bedbugs in buildings, sleeping quarters, beds, and bedding, use 1.00 percent (1%) spray, and apply lightly to mattress and bedding including seams and folds, and to cracks and crevices in bed frames, walls, baseboards, and floors. Repeat as necessary. Do not use mattress and bedding, or occupy treated area, until spray has thoroughly dried.

ANTS AND SILVERFISH—Use 1.00 percent (1%) spray, and apply as a spot treatment to localized areas where these insects occur or frequent. Repeat as necessary. Do not occupy treated area until spray has dried.

CHINCH BUGS IN ORNAMENTAL LAWNS—Use 0.15 percent spray made by mixing 1 1/4 pints of this product in 25 gallons of water (5 lbs. in 3 gal), and apply uniformly following a good rain or sprinkling with at least 1/2 inch of water at rate of 25 gallons of diluted spray per 1,250 sq. ft. of lawn. For thick turf (thatch and organic matter 1 1/2 inch or more), repeat in 2 weeks; for thin turf, repeat as necessary. Keep children and pets off treated areas until spray has thoroughly dried. Do not graze or feed foliage from treated areas to livestock and poultry.

CAUTION

Harmful if swallowed. Injurious to the eyes. Irritating to the skin. Do not get in eyes. Avoid breathing spray mist. Avoid contact with skin. Wash thoroughly with soap and water after using. Do not store with or near feed and foodstuffs. Avoid contamination of feed, foodstuffs, and water supplies. Keep out of reach of animals. Do not store or use near heat or open flame. Keep container closed when not in use.

Note to Physician: Ronnel is a cholinesterase inhibitor. Treat symptomatically. Atropine is an antidote.

This product is poisonous to fish. Keep out of any body of water. Apply only in the manner and for the purposes stated in this label. Do not apply when weather conditions favor drift of spray from animals or area treated. Clean application equipment and dispose of rinse solutions, wastes, and unused chemical in a pit on non-crop land well away from water supplies.

DESTROY EMPTY CONTAINER. Do not reuse this container for any purpose. If container is glass, break into previously prepared pit on non-crop land in an isolated area well away from water supplies, and bury fragments deeply. If container is metal, punch holes in top and bottom, crush under wheels of heavy vehicle or with an axe and bury deeply in a pit on non-crop land located well away from water supplies.

NOTICE

Use only for the purpose and in compliance with the limitations, cautions or warnings stated on this label.