PRODUCT ADVANTAGES

Makes a highly stable livestock dip in hard or soft water • Makes both spray and dip • Excellent wetting as spray or dip • Readily mixes with oil for back-rubber use • For livestock of all ages, newborn too! • This one really works LIVESTOCK REMEDY, NOT FOR HUMAN USE

USE PRECAUTIONS

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

Do not spray beef cattle with 34% KORLAN 4E within 14 days of slaughter.

Do not dip or spray beef cattle with 1/2% KORLAN 4E within 7 days of slaughter.

Beef came may be dipped or sprayed with 1/8% or 1/4% any time prior to slaughter.

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

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

Dairy cows should be treated early in their dry period.

Do not spray dairy animals with \(\frac{4}{9} \) of KORLAN 4E 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 \(\frac{4}{9} \) KORLAN 4E.

Do not spray dairy animals with 1/4% or 1/2% KORLAN 4E 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 1/4% or 1/2% KORLAN 4E.

Remove lactating dairy animals from buildings while applying residual fly sprays.

Do not allow insecticide to come in contact with food, feed or water supplies. This product is toxic to fish. Keep out of lakes, streams or ponds. Do not contaminate water by cleaning of equipment, or disposal of wastes.

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.

NOTICE: Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes 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.

LOT MM

5 GAL

86-1193 PRINTED IN U.S.A. IN NOVEMBER, 1971.

REPLACES SPECIMEN LABEL 86-1193 PRINTED IN AUGUST, 1968.

REVISIONS INCLUDE: (1) TABLES REVISED TO INCLUDE USES FOR CONTROL OF SCREWWORMS, COCKROACHES, AND MISC. INSECTS. (2) USE PRECAUTIONS REVISED TO REFLECT NEW TOLERANCES FOR RONNEL. (3) PRECAUTIONARY LABELING REVISED. (4) PRODUCT ADVANTAGES SECTION REVISED. (4) U.S.D.A. CHANGED TO E.P.A. (5) WORLD-WIDE COMPANY NAME USED.

Horisties, est ticks and screwnolms	7474	र प्र	2 (9)	उ पा
Sheep, Goats, Lambs, and Kids: Lice, sheep keds, and hornflies	14%	2 qt	5 gal	9 qt
Wool maggots and screwworms	1/2%	1 gai	10 gal	4½ gal
Hogs: Lice	1/4%	2 qt	5 gal	9 qt

vat when 300 gallons of dip solution have been removed by animals.

3. To replace evaporation loss add water only to previous level of dip solution.

4. If flooding has occurred add KORLAN 4E at the recharge rate.

5. Retreat as necessary but not more often than every 2 weeks.

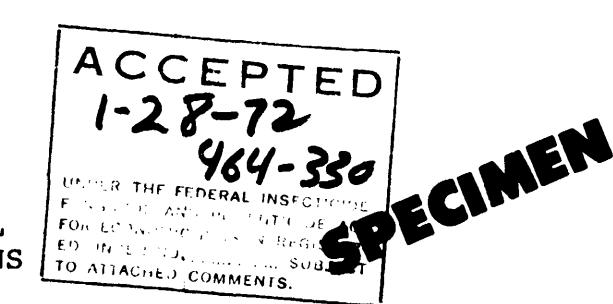
BACKRUBBER RECOMMENDATIONS

Cattle Backrubber — For horaflies Aids in the control of lice if used continuously Aids in the control of face flies if backrubber is placed so animals can jub face. Place where animals regularly travel or congregate.

Mix 1 gallon KORLAN 4E with 55 gallons diesel or mineral oil. Saturate fibre. Recharge as necessary. Do not mix with used motor oil

SPRAY RECOMMENDATIONS

	Ronnel	Amour	t KORLAN	4E for	
PROBLEM	(••)	1 gai	25 gai	100 gal	REMARKS
LIVESTOCK INSECTS Cattle and Calves:					
Hornflies, ear ticks and screwworms	1/2%	1 ⅓ oz	2 pt	l gal	Dilute with water ally. Spray entire animal to
Lice	1/4%	² /3 02	1 pt	2 qt	wet thoroughly. Retreat as necessary but not more often than every 2 weeks.
Lone Star and Winter Ticks	3/4%	2 oz	3 pt	1½ gai	
Sheep, Goats, Lambs and Kids: Hornflies, screwworms and wool may rots	1/2%	1½ oz	2 pt	l gai	
Lice and sheep keds	1/4%	2/3 02	î pt	2 qt	
Hogs: Lice	1/4%	² /3 0Z	1 pt	2 qt	
RESIDUAL FLY SPRAY A ½% spray will give about 2 weeks control. A 1% spray will give 4-6 weeks control.					Spray walls, ceilings, partitions to obtain complete coverage with no runoff. Use 1 gallon of diluted spray per 500-1000 sq. ft.
Farm Buildings: poultry houses, livestock shelters, milk room, dairy and hog barns.	1/2% or 1%	1½ oz or 2¾ oz	1 qt or 2 qt	1 gal or 2 gal	Add 3 ounces of sugar per gallon for added effectiveness. To prevent contamination keep milk and milking equipment covered while spraying.
Meat, poultry, and other food processing plants, refuse areas and containers	1%	2²/3 oz	2 qt	2 gal	Oo not apply in the edible products areas of food processing plants.
Restaurants and supermarkets, Outside area.	1/2% Or 1%	1½ oz or 2½ oz	1 qt or 2 qt	1 gal or 2 gal	Spray outside walls, receiving docks, doorways, and refuse areas.
Dwellings — Outside areas, including porches, patios, and garages.	½% or 1%	1½0z or 22/3 oz	l qt or 2 qt	1 gal or 2 gal	Spray to point of runoff.
Caged layers — on wire	2%	51/3 oz	l gal	4 gal	Spray poultry droppings beneath cages



LAN* 4E INSECTICIDE CONCENTRATE



IESTOCK SPRAY, DIP AND BACKRUBBER

DIRECTIONS

KORLAN 4E insecticide concentrate mixes readily with water for spray and dip and with oil for backrubber use. Follow directions given in the tables.

DIP RECOMMENDATIONS

		Amou	nt KORLAN	4E for	
	Ronnel	Initial charge of vat		Recharge rate	
PROBLEM	(%)	100 gal	1000 gal	300 gai	REMARKS
LIVESTOCK INSECTS Cattle and Calves:					1. Dipping solution should be thoroughly stirred prior to use. Run 25-30 head through
Lice	1/8%	1 qt	2½ gal	9 pt	the vat as "stirrers" and then return them to the main herd to be redipped.
Hornflies, ear ticks and screwworms	1/4%	2 qt	5 gal	9 qt	2. To maintain proper concentration recharge
Sheep, Goats, Lambs, and Kids: Lice, sheep keds, and hornflies	1/4%	2 qt	5 gal	9 qt	vat when 300 gallons of dip solution have been removed by animals. 3. To replace evaporation loss add water only
Wool maggots and screwworms	1/2%	1 gai	10 gai	41/2 gal	to previous level of dip solution. 4. if flooding has occurred add KORLAN 4E at
Hogs: Lice	1/4%	2 qt	5 gal	9 qt	the recharge rate. 5. Retreat as necessary but not more often than every 2 weeks.

BACKRUBBER RECOMMENDATIONS

Cattle Backrubber — For hornflies. Aids in the control of lice if used continuously Aids in the control of face flies if backrubber is placed so animals can rub face. Place where animals regularly travel or congregate.

Mix 1 gallon KORLAN 4E with 55 gallons diesel or mineral oil. Saturate fibre. Recharge as necessary. Do not mix with used motor oil.

SPRAY RECOMMENDATIONS

Pope		Amour	I KORLAN	4E for	
PROBLEM	Ronnel (*•)	1 gai	25 gal	100 gal	REMARKS
IVESTOCK INSECTS Cattle and Calves: Hornflies, ear ticks and screwworms	1/2%	1½ oz	2 pt	l gai	Dilute with water only. Spray entire animal to
Lice	1/4%	² /3 OZ	1 pt	2 qt	wet thoroughly. Retreat as necessary but no more often than every 2 weeks.
Lone Star and Winter Ticks	3/4%	2 oz	3 pt	1½ gai	, , , , , , , , , , , , , , , , , , ,
Sheep, Goats, Lambs and Kids: Hornflies, screwworms and wool mayrots	1/2%	1 1⁄3 oz	2 pt	1 gal	
Lice and sheep keds	1/4%	²∕3 OZ	1 pt	2 qt	
Hogs: Lice	1/4%	² /3 OZ	l pt	2 qt	
RESIDUAL FLY SPRAY A ½% spray will give about 2 weeks control. A 1% spray will give 4-6 weeks control.					Spray walls, ceilings, partitions to obtain complete coverage with no runoff. Use gallon of diluted spray per 500-1000 sq. fi

SPRAY RECOMMENDATIONS Continued

9		Amour	t KORLAN	4E for		
PROBLEM	Ronnel (%)	1 gal	25 gal	100 gal	REMARKS	
FLY BAIT Where flies congregate: floors, windows, and doorways.	2%	5 ¹ /3 0Z	l gal	4 gal	Add 3 ounces of sugar per gallon diluted spray Spray or sprinkle at 1 to 2 day intervals until control is obtained.	
COCKROACH CONTROL "Use 1% sp. ay for German roaches, 2% for others.					Apply as a spot spray to all areas frequented by cockroaches.	
Buildings: dwellings, institutions and food handling establishments	1% or 2%	2 ² .3 0z or 5 ¹ .3 0z	2 qt or 1 gai	2 gal or 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.	
Food Processing Plants	1% or 2%	2 ² /3 02 or 5 ¹ 3 02	2 qt or 1 gal	2 gal or 4 gal	Do not apply in the edible products areas of food processing plants	
Meat Packing and Poultry Processing Plants	2%	5 ¹ .3 02	l gal	4 gal		
MISCELLANEOUS INSECTS Fleas and spiders in buildings, laundry trucks, and dog kennels.	1%	2 ² 3 02	2 qt	2 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	
Bedbugs in buildings and steeping quarters, on beds and bedding.	1%	2 ² /3 02	2 gt	2 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.	l%	2 ² 3 07	2 qt	2 gal	Spray infested areas. Keep children off treated area until spray has dried.	
Ants, crickets, mosquitoes and silverfish.	1%	2 ^{2,} 3 0Z	2 qt	2 gal	Spray areas where insects frequent	
Chinch Bugs in lawns (Florida only) Retreaf as necessary Thin Turf or Thick Turf (thatch and organic matter 1½ inch thick or more)	15%	4 oz	10 oz	40 oz	Apply following a good rain or a drench with ½ to 1 inch of water Dilute with water only Use 25 gallons diluted spray per 1250 sq ft For thick turf, repeat in two weeks if necessary	

CAUTION

KEEP OUT OF REACH OF CHILDREN
INJURIOUS TO THE EYES • IRRITATING TO THE SKIN
HARMFUL IF SWALLOWED • COMBUSTIBLE

Avoid Eye Contact • Avoid Contact with the Skin • Avoid Prolonged Breathing of Spray Mists • Avoid Contamination of Food, Feedstuffs, and Water Supplies • Keep Away from Heat and Open Flame • Keep Container

Sheep, Goats, Lambs, and Kids: Lice, sheep keds, and hornflies	14%	2 at	5 gal	S qt
Wool maggots and screwworms	1/2%	l gai	10 gal	4½ gal
Hogs: Lice	1/4%	2 qt	5 gal	9 qt

vat when 300 gallons of dip solution have been removed by animals.

- 3. To replace evaporation loss add water only to previous level of dip solution.
- 4. If flooding has occurred add KORLAN 4E at the recharge rate.

 5. Petreat as necessary but not more often.
- 5. Retreat as necessary but not more often than every 2 weeks.

BACKRUBBER RECOMMENDATIONS

Cattle Backrubber — For hornflies. Aids in the control of lice if used continuously Aids in the control of face flies if backrubber is placed so animals can rub face. Place where animals regularly travel or congregate.

Mix 1 gallon KORLAN 4E with 55 gallons diesel or mineral oil. Saturate fibre. Recharge as necessary. Do not mix with used motor oil.

SPRAY RECOMMENDATIONS

	91 117		O		0110
	Ronnel	Amour	it KORLAI	4E for	
PROBLEM	(*•)	1 gal	25 gai	100 gai	REMARKS
LIVESTOCK INSECTS Cattle and Calves:					
Hornflies, ear ticks and screwworms	1/2%	1½ oz	2 pt	l gal	Dilute with water only, Spray entire animal to wet thoroughly. Retreat as necessary but not
Lice	1/4%	² /3 02	1 pt	2 qt	more often than every 2 weeks.
Lone Star and Winter Ticks	¾ %	2 oz	3 pt	1½ gal	
Sheep, Goats, Lambs and Kids: Horoflies, screwworms and wool maggots	¥2%	1½ oz	2 pt	l gai	
Lice and sheep keds	1/4%	₹⁄3 OZ	1 pt	2 qt	
Hogs: Lice	1/4%	² /3 02	1 pt	2 qt	
RESIDUAL FLY SPRAY A ½% spray will give about 2 weeks control. A 1% spray will give 4-6 weeks control.					Spray walls, ceilings, partitions to obtain complete coverage with no runoff. Use 1 gallon of diluted spray per 500-1000 sq. ft
Farm Buildings: poultry houses, livestock shelters, milk room, dairy and hog barns.	1/2% or 1%	1 ½ oz or 2 ½ oz	1 qt or 2 qt	1 gai or 2 gai	Add 3 ounces of sugar per gallon for added effectiveness. To prevent contamination keep milk and milking equipment covered while spraying.
Meat, penitry, and other land processing plants, refuse areas and containers	1%	2²⁄3 oz	2 qt	2 gal	Do not apply in the edible products areas o food processing plants.
Restaurants and supermarkets, Outside area.	1/2%	1 ½ oz or 2 ½ oz	1 qt or 2 qt	1 gal or 2 gal	Spray outside walls, receiving docks, doorways and refuse areas.
Dwellings — Outside areas, including porches, patios, and garages.	1/2% or 1%	1 ½ oz or 2 ½ oz	1 qt or 2 qt	l gal or 2 gal	Spray to point of runoff.
Cared layers — on wire	2° ′°	5½ oz	1 gal	4 gal	Spray poultry droppings beneath cages.

.	or 2%	or 5½3 oz	or 1 gai	or 4 gai	food processing plants
Meat Packing and Poultry Processing Plants	2%	5½ oz	l gal	4 gal	-
MISCELLANEOUS INSECTS Fleas and spiders in buildings, laundry trucks, and dog kennels.	100	2 ² 3 02	2 qt	2 gal	Apply 1 gallon of dilute spray per 1000 so ft Spray floors, walls, cracks, crevices, sleeping quarters of pets etc where insects breed and harbor.
Bedbugs in buildings and sleeping quarters, on beds and bedding.	1%	2 ² / ₃ 02	2 qt	? 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	l°o	2 ² 3 02	2 qt	2 gal	Spray infested areas. Keep children off treated area until spray has dried
Ants, crickets, mosquitoes and silverfish.) ⁰ / ₀	2 ² ⁄3 ∩z	2 qt	2 gai	Spray areas where insects frequent
Chinch Bugs in lawns (Florida only) Retreat as necessary Thin Turf or Thick Turf (thatch and organic matter 1½ inch thick or more).	15%	4 oz	10 oz	40 oz	Apply following a good rain or a drench with \$12 to 1 inch of water. Dilute with water only Use 25 gallons diluted spray per 1250 sq. ft. For thick turf, repeat in two weeks if necessary.

CAUTION

KEEP OUT OF REACH OF CHILDREN INJURIOUS TO THE EYES • IRRITATING TO THE SKIN HARMFUL IF SWALLOWED • COMBUSTIBLE

Avoid Eye Contact • Avoid Contact with the Skin • Avoid Prolonged Breathing of Spray Mists • Avoid Contamination of Food, Feedstuffs, and Water Supplies • Keep Away from Heat and Open Flame • Keep Container Closed • Wash thoroughly with Soap and Water after Handling In case of eye contact, flush them with plenty of water and get medical attention.

NOTE TO PHYSICIAN OR VETERINARIAN: This material is a cholinesterase inhibitor. Treat symptomatically. Atropine is an antidote.

THE DOW CHEMICAL COMPANY

AND SUBSIDIARIES

MIDLAND, MICHIGAN 48640, USA ZURICH, SWITZERLAND HONG KONG, BCC CORAL GABLES, FLORIDA 33134, USA SARNIA, ONTARIO, CANADA

* Tredemark of THE DOW CHEMICAL COMPANY

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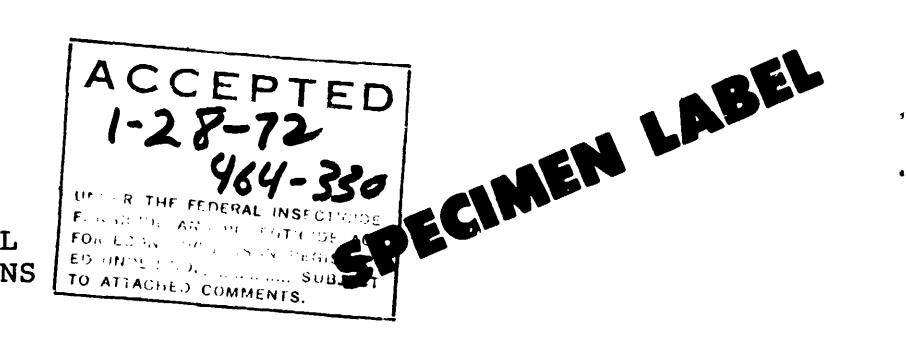
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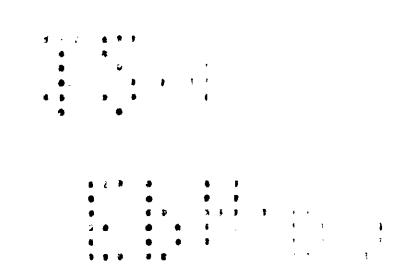
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(2) USE PRECAUTIONS

(3) PRECAUTIONARY !ION REVISED. (4)

IPANY NAME USED.







KILLS

KORLAN* 4E INSECTICIDE CONCENTRATE



LIVESTOCK SPRAY, DIP AND BACKRUBBER

ACTIVE INGREDIENTS	
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Aromach petroleum derivative sinvents	2 9 3°°
Inert Ingredients	29 5°∍
EPA Registration 464 330-AA	

PRODUCT ADVANTAGES

Makes a highly stable livestock dip in hard or soft water • Makes both spray and dip • Excellent wetting as spray or dip • Readily mixes with oil for backrubber use * For livestock of all ages newborn too! * This one really works LIVESTOCK REMEDY NOT FOR HUMAN USE

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CAUTION

SPRAY HER OMMENDATIONS Continued

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KEEP OUT OF REACH OF CHILDREN INJURIOUS TO THE EYES . IRRITATING TO THE SKIN HARMFUL IF SWALLOWED . COMBUSTIBLE

Avoid Eye Contact . Avoid Contact with the Skin . Avoid Prelonged Breathing of Spray Mists . Avoid Contamination of Food Feedstuits and Water Supplies . Keep Away from Heat and Open Flame . Keep Contained Closed . Wash thoroughly with Soap and Wilder after Handling. In case of eye contact flush them with pient, of war read get rundical attention

NOTE TO PHYSICIAN OR VETERINARIAN

MIDIAND MICHIGAN 43640 DAW - ZURICH COST TERLING - P. N. KONG E. CORALLANDS FLORIDA SECTIONAL SARK CONTINUES AVELLE

964-350 CIMEN LABEL SPECIMEN 1.28-72