

HOW TO USE PURINA SPRAY & DIP

Directions: Purina Spray & Dip mixes readily with water. To prepare a finished spray or dip, see chart below.

USAGE	Amount to use			Withdrawal Days	REMARKS
	% Ronnel	3 gal.	100 gal.		
LIVESTOCK INSECTS					
Beef Cattle					Dilute with water only when used as spray or dip. Spray entire animal or immerse completely to wet hair coat thoroughly. Mix spray or dipping vat thoroughly before using; keep well mixed while spraying or dipping animals. Refill dipping vats at indicated rates when fresh mixture must be added. Clean out entire vat when solution becomes filthy. Repeat as necessary. *slaughter **freshening ***freshening or slaughter
Spray: Lice	1/4%	4 oz.	1 gal.	0*	
Hornflies, Blowfly, Screwworms	1/2%	8 oz.	2 gal.	7*	
Long Star and Winter Ticks	3/4%	12 oz.	3 gal.	14*	
Dip: Lice	1/2%	2 oz.	1/2 gal.	0*	
Hornflies	1/4%	4 oz.	1 gal.	0*	
Non-Lactating Dairy Cattle					
Spray: Hornflies; aids in control of face flies.	1/4%	4 oz.	1 gal.	0*-7**	
Long Star and Winter Ticks	3/4%	12 oz.	3 gal.	14***	
Sheep, Goats, Lambs, Kids					
Spray: Lice and Sheep Keds	1/4%	4 oz.	1 gal.	28*	
Screwworms, Wool Maggots, Hornflies	1/2%	8 oz.	2 gal.	28*	
Dip: Hornflies, Lice, Sheep Keds	1/4%	4 oz.	1 gal.	28*	
Hogs					
Spray or Dip: Lice	1/4%	4 oz.	1 gal.	0*	
Cattle Backrubber					
Beef or Dairy Cattle Hornflies; aids in control of face flies and lice	Mix 1 pint in 3 1/4 gal of diesel oil			0*	Saturate fiber. Recharge as necessary. Do not mix with used motor oil. Place backrubber where animals travel regularly or congregate. Aids in the control of face flies if backrubbers are placed so animals rub face.
RESIDUAL FLY SPRAY					
Farm Buildings - poultry houses, livestock shelters, milk rooms, dairy and hog barns.	1%	5 oz.	1 pt.	1 gal.	Spray walls, ceilings, partitions to obtain complete coverage with no runoff. Use 1 gallon of diluted spray per 500-1000 sq. ft. Add 3 ounces of sugar per gal. for added effectiveness. To prevent contamination keep milk and milking equipment covered while spraying.
Food Processing Plants	1%	5 oz.	1 pt.	1 gal.	Foods should be removed or covered during treatment. All food processing surfaces should be covered during treatment and thoroughly cleaned before using. When using the product in these areas, apply only when the facility is not in operation.

TYPE AND USE	Amount to use for				REMARKS
	% Ronnel	1 gal.	3 gal.	25 gal.	
Dwellings outside areas, porches, patios, garages	1%	5 oz.	1 pt.	1 gal.	Spray to point of runoff.
Meat packing plants	1%	5 oz.	1 pt.	1 gal.	Spray outer and inedible product areas.
Poultry Processing Plants	1%	5 oz.	1 pt.	1 gal.	Spray outer and inedible product areas.
Refuse areas and containers	1%	5 oz.	1 pt.	1 gal.	Spray to soak all exposed surface.
Caged Layers on wire	2%	10 oz.	1 qt.	2 gal.	Spray poultry droppings beneath cages.
COCKROACH CONTROL—Use 1% Spray for roaches.					
Dwellings, Institutions, restaurants, food processing plants.	1%	5 oz.	1 pt.	1 gal.	Apply as a spot spray to all areas frequented by cockroaches. Apply as a spot spray to all areas frequented by cockroaches. Food should be removed or covered during treatment. All food processing surfaces should be covered during treatment or thoroughly cleaned before using. When using the product in these areas, apply only when the facility is not in operation.
MISCELLANEOUS INSECTS					
Fleas and spiders in buildings, laundry trucks, dog kennels.	1%	5 oz.	1 pt.	1 gal.	Apply 1 gallon of dilute spray per 1000 sq. ft. Spray floors, walls, cracks, crevices, sleeping quarters of pets.
Bedbugs in buildings and sleeping quarters, on beds and bedding.	1%	5 oz.	1 pt.	1 gal.	Spray mattress lightly, including seams and folds, cracks and crevices in bed frames, walls, baseboards and floors.
Fleas in lawns and kennel runs.	1%	5 oz.	1 pt.	1 gal.	Spray infested areas. Keep children off treated area until spray has dried.
Ants	1%	5 oz.	1 pt.	1 gal.	Spray ant trails and areas where these pests enter the premises.
Mosquitoes	1%	5 oz.	1 pt.	1 gal.	Spray walls and ceilings where mosquitoes congregate.
Crickets and Silverfish	1%	5 oz.	1 pt.	1 gal.	Spray areas where these insects frequent.
Darkling Beetles in poultry houses	1/2%	2 oz.	1/2 pt.	1/2 gal.	Spray floors, feed troughs and lower part of inside walls of houses. Use 1 gal. of spray per 1000 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.

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see chart below.

Use for	25 gal.	REMARKS
1 gal.	1 gal.	Spray to point of runoff
1 gal.	1 gal.	Spray outer and inedible product areas
1 gal.	1 gal.	Spray outer and inedible product areas
1 gal.	1 gal.	Spray to soak all exposed surface
2 gal.	2 gal.	Spray poultry droppings beneath cages
1 gal.	1 gal.	Apply as a spot spray to all areas frequented by cockroaches
1 gal.	1 gal.	Apply as a spot spray to all areas frequented by cockroaches
1 gal.	1 gal.	Food should be removed or covered during treatment. All food processing surfaces should be covered during treatment or thoroughly cleaned before using. When using the product in these areas, apply only when the facility is not in operation
1 gallon of dilute spray	per 1000 sq. ft.	Apply 1 gallon of dilute spray per 1000 sq. ft.
1 gal.	1 gal.	Spray floors, walls, cracks, crevices, sleeping quarters of pets
1 gal.	1 gal.	Spray mattresses, lightly, including seams and folds, cracks and crevices in bed frames, walls, baseboards and floors
1 gal.	1 gal.	Spray infested areas. Keep children off treated area until spray has dried
1 gal.	1 gal.	Spray ant trails and areas where these pests enter the premises
1 gal.	1 gal.	Spray walls and ceiling where mosquitoes congregate
1 gal.	1 gal.	Spray areas where these insects frequent
1/2 gal.	1/2 gal.	Spray floor, footing, and lower feet of inside walls of houses. Use 1/2 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

CAUTION: 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 mists. Avoid contamination of food, feedstuffs, and water supplies. Keep material out of reach of children and animals. Keep away from heat and open flame. Keep container closed. Wash thoroughly with soap and water after handling. *Combustible Liquid.*

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

CAUTION: Vapor harmful. Harmful or fatal if swallowed. If swallowed, do not induce vomiting. Call physician immediately.

CAUTION: Carefully follow withdrawal periods for specific treatments prior to slaughter or freshening as indicated in directions for use. If dairy animals freshen within 7 days following 1/2 or 1/4 spray or within 14 days following 1/2 spray, do not use milk for food for the required 7 or 14 days following treatment. Dairy cows should be treated early in their dry period. Be-krubber may be used anytime on beef or dairy cattle. Do not use spray on cows producing milk for human consumption. Do not use on lactating dairy goats. Remove lactating dairy animals from buildings while applying residual fly sprays. Do not spray sheep and goats within 15 days of slaughter. Do not allow insecticide to come in contact with food, feed or water supplies.

Do not reuse container. Destroy when empty. 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.

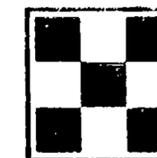
CAUTION: DO NOT USE, POUR, SPILL OR STORE NEAR HEAT OR OPEN FLAME

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QUALITY CONTROLLED BY PURINA RESEARCH

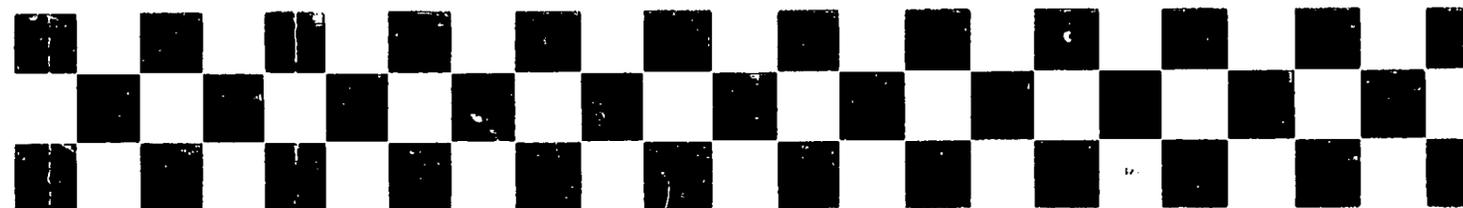
EPA Reg. No. 602-102-AA

PURINA[®] SPRAY & DIP



CONTAINS KORLAN[®] INSECTICIDE

For Residual Fly Control in Dairy Barns and Livestock Shelters
Livestock Pests on Beef Cattle, Dairy Cattle, Hogs, Sheep, Goats
Maggot Control under Caged Layers
Crawling Pests in Kennels, Processing Plants, Dwellings



Active Ingredients	
Ronnel [®] (0.9 dimethyl 0, 2, 4, 6 trichloro- <i>n</i> -phenyl phosphorothioate)	24.0%
Xylene	39.6%
Inert Ingredient	16.4%
	100.0%

*Korlan[®] registered trademark of The Dow Chemical Company (Patent No. 2,599,516)
[®]Trademark of The Dow Chemical Company (abroad U.S. Patent No. 2,748,416)
 †From technical grade, not suitable for internal use in animals. Contains 7.0 pounds ronnel per gallon.

**CAUTION: KEEP OUT OF REACH OF CHILDREN
SEE BACK PANEL FOR ADDITIONAL CAUTIONS**

Manufactured by
RALSTON PURINA COMPANY
General Offices • Checkerboard Square • St. Louis, Missouri 63188

NET CONTENTS: 1 GALLON

TAKE TIME



OBSERVE LABEL DIRECTIONS