

PM 17 407-385 4
12-31-89

Front Panel

**IMPERIAL
PYRENONE SUPER-SPRAY
EMULSIFIABLE CONCENTRATE**

ACTIVE INGREDIENTS:	
*Technical Piperonyl Butoxide	60.0%
Pyrethrins	6.0%
INERT INGREDIENTS:	
Petroleum Distillate	14.0%
Total	100.0%

*Equivalent to 48.0% (butylcarbityl) (6-propylpiperonyl) ether and 12% related compounds.
PYRENONE is a registered trademark of FMC Corporation.

KEEP OUT OF REACH OF CHILDREN

CAUTION

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Harmful if swallowed. When used in an enclosed area, do not remain in area after treatment. Ventilate area after treatment.
Remove pets, birds and cover fish aquariums before spraying.

ENVIRONMENTAL HAZARDS

This product is 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 apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated.

CHEMICAL HAZARDS

Do not use in combination with alkaline materials.

EPA Reg. No. 407-385
EPA Est. 407-IA-1

D-75-84-1

NET CONTENTS _

Manufactured by
IMPERIAL INC.
SHENANDOAH, IA 51601

Not Reviewed. Registrant claims to be in accordance with
the registration of Pyrethrin Pesticides for Phase 2
New uses, Page 2-12, Add'l to that listing in Status.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

Do not enter treated areas without protective clothing until sprays have dried.

STORAGE AND DISPOSAL

STORAGE: Store in original container, in a cool, dry, secure area away from fertilizer, food or feed.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Do not contaminate water, food, or feed by storage or disposal.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Application rates vary 2 - 6 ounces per acre in 100 gallons of water (1 - 3 tablespoons per 25 gallons of water). In most instances, the lower rate will do a satisfactory job of control; but when there is excessive foliage, heavy insect population, or continual movement from noncrop areas or other fields, higher rates may be indicated. Treat only when insects are present. Insects must be contacted with spray for control. Coverage of upper and lower leaf surfaces is essential for good control.

To control the listed pests on the following crops, apply as recommended above:

ASPARAGUS: Asparagus beetle. **BEANS:** aphids, leafhoppers, Mexican bean beetle, white fly, twelve-spotted cucumber beetle. **BROCCOLI, BRUSSELS SPROUTS, CABBAGE, AND CAULIFLOWER:** aphids, cabbage looper, cross-stripe cabbageworm, diamond-back moth larvae, flea beetles, harlequin bug, imported cabbageworm, stinkbugs. **CELERY:** cabbage looper, green peach aphid, leaf-tier. **CRANBERRIES:** wireworms and leafhoppers. **EGGPLANT:** blister beetles, Colorado potato beetles, flea beetles, green peach aphid. **LETTUCE:** cabbage looper, diamond-back moth larvae, green peach aphid, imported cabbageworm. **MUSTARD GREENS, KALE, COLLARDS AND TURNIPS:** aphids, cabbage looper, diamond-back moth larvae, imported cabbageworm. **PEPPERS:** green peach aphid. **POTATOES:** aphids, Colorado potato beetle, flea beetles and leafhoppers. **RADISHES:** aphids and flea beetles. **SPINACH:** aphids, cabbage looper and webworms. **TOMATOES:** Colorado potato beetle, flea beetles, green peach aphid, and stinkbugs.

ORNAMENTALS

AFRICAN VIOLET, ASTER, BEGONIA, CAMELLIA, CARNATION, CHRYSANTHEMUM, DAHLIA, GERANIUM, GLADIOLUS, MARIGOLDS, ROSE: aphids, flea beetles and leafhoppers.

POST-HARVEST APPLICATION ONLY

TOMATOES: Drosophila (fruitflies), dilute one part with 1200 parts water (1 pint per 150 gallons of water or 1 tablespoon per 4 gallons of water).

1) Apply liberally to tomatoes in baskets, on trucks, and on plants. Use sprayers with a high pressure for applying at the rate of 5 or 6 pints of the diluted spray to a 2 ton load of tomatoes. Direct the spray for a maximum coverage of the baskets or hampers. It is important to spray beneath and between the containers. This spray not only kills the flies, but the emulsion loosens any dead flies so that they are readily washed from

the fruit.

2) Spray the raw stock stacked in the yard.

3) Dip baskets in the diluted spray after dumping the fruit to kill adhering larvae and pupae.

CROPLANDS

To Protect Agricultural Workers During Harvest

MOSQUITOES: Use one ounce in 4 gallons of water when flown on by fixed wing aircraft. When applying by conventional means, use 2 - 6 ounces per acre in 100 gallons of water (1 - 3 tbsp. per 25 gallons of water). In most instances the lower rate will do a satisfactory job of control; but when there is excessive foliage, heavy mosquito population, or continual movement from heavily infested areas to the treatment area, the higher rate may be necessary. Treat only when insects are present. Insects must be contacted by spray for control.

STORED GRAIN

BARLEY, CORN, OATS, RYE, AND WHEAT: Angoumois grain moth, cadelle beetles, confused flour beetles, flat grain beetles, granary weevils, red flour beetles, rice weevils, rusty grain beetles, saw-toothed grain beetles, square-necked grain beetles. **EMPTY GRAIN BINS:** Dilute one part in 59 parts water (1 pint in 7 gallons 3 pints water). Apply one gallon per 750 square feet as a residual type spray on walls, floors, ceilings, etc. Force spray into cracks and crevices. **GRAIN TREATMENT:** Dilute one part in 29 parts water (1 pint in 3 gallons 5 pints water). Apply at the rate of 4 - 5 gallons per 1000 bushel grain as it goes over the conveyor into the bin. **RETREATMENT:** If top two or three inches of grain are reinfested, dilute one part in 29 parts water (1 pint in 3 gallons 5 pints water). Apply one to two gallons of diluted material per each thousand bushel of grain. Monthly inspections of the grain should be made.

LIVESTOCK

CATTLE, INCLUDING DAIRY ANIMALS: Cattle lice - dilute one quart in 150 gallons of water (1 tablespoon in 2 gallons of water). Wet all parts of the animal's body. Gnats, hornflies and mosquitoes - Dilute one pint in 30 gallons of water (2 tablespoons in 13 pints) and apply 1 - 2 quarts per animal. Repeat at intervals of 5 days or as needed. Horseflies and Stable Flies - Dilute one pint in 7 1/2 gallons of water (4 tablespoons to 6 1/2 pints of water). Apply 1 - 2 quarts per adult animal. Pay particular attention to legs, flanks, barrel, top line, and other body areas commonly attacked by these flies. Repeat at intervals of 3 days or as needed.

GOATS, HORSES, AND SHEEP: Lice, sheep tick (ked) - Dilute 1 quart in 150 gallons of water (1 tablespoon to 2 gallons of water). Wet all portions of the animal's body. For sheep tick, apply 1 - 4 pints per animal according to size and condition of the fleece.

PROCESSING PLANTS

This product is designed for use in edible products areas of official establishments operating under the Meat, Poultry, Egg Grading and Egg Product Inspection Programs, and in other food processing plants.

FOODS 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.

DO NOT REMAIN IN TREATED AREAS. VENTILATE THE AREA AFTER TREATMENT IS COMPLETED.

SURFACE SPRAYS: ants, cheese mites, crickets, fruitflies, roaches, silverfish, spiders. Dilute 1 part in 59 parts of water (1 pint to 7 gallons 3 pints of water or 3 tablespoons in 3 1/4 pints of water). Spray all surfaces at the rate of one gallon diluted spray per 750 square feet of surface treated. Force spray into all cracks and crevices. Direct contact of the pest with spray is necessary for control.

SPACE SPRAYS: fruitflies, gnats, grain moths, house flies, hornets, mosquitoes, skipper flies, wasps. Dilute one part in 59 parts water (2 tablespoons in 3 1/4 pints water). Use at the rate of 1/2 ounce diluted spray per 100 cubic feet of space. Direct the space treatment upward. Keep windows and doors closed during treatment and for at least 10 minutes after application.

VAPORIZER APPLICATORS: To kill fruitflies, gnats, Angoumois grain moths, house flies, hornets, mosquitoes, skipper flies and wasps where oil residues are not undesirable, dilute with deodorized base oil instead of water and apply at the dilution rate of 1 part to 59 parts by means of any good vaporizer type applicator.

NOTICE

Seller guarantee shall be limited to the terms of the label, and subject thereto, the buyer assumes any risk to persons or property arising out of use or handling and accepts the product on these conditions.