

1021-1340

KING

6-12-1975
Company

FORMULA 7243

(Front Panel)

PASTED ON 1/3

8810 Leath Avenue N / Minneapolis, Minnesota 55427

May be diluted with either water or oil.

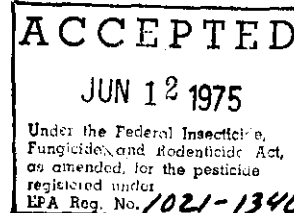
For use in Bakeries, Bottling Plants, Canneries, Flour Mills, Food Processing Plants, Grain Elevators, Hospitals, Hotels, Motels, Restaurants, and Outdoors for Mosquito Control and on Growing Crops.

Provides Rapid Kill of Insects Named Without Objectionable Residues.

ACTIVE INGREDIENTS:

Pyrethrins	1.0%
*Piperonyl butoxide, technical	10.0%
Petroleum distillate	79.0%
INERT INGREDIENTS:	10.0%

*Equivalent to 8.0% of (butylcarbityl) (6-propylpiperonyl) ether and to 2.0% of related compounds.



DIRECTIONS FOR USE

This Concentrate is designed to be diluted with either water or oil before use. The resulting spray solution should be applied using good mechanical or compressed air fogging equipment.

The insecticidal components of this Concentrate, pyrethrins and Piperonyl Butoxide, are classified as food additives, and when used as directed allowable tolerance levels will not be exceeded.

INDOOR APPLICATION: Remove pets, birds, and cover fish aquariums before spraying. Do not contaminate feed or feedstuffs. Do not remain in treated area. Ventilate the area after treatment is completed.

To control exposed stages of flies, including fruit flies, mosquitoes, gnats and small flying moths, dilute 1 part concentrate in 19 parts water or oil (6-1/2 ounces per gallon or 5 gallons per 100). Close doors and windows and shut off ventilating systems. Apply as a fog or fine mist, directing the spray toward the upper portions of the room and toward windows and other light sources, which attract these insects. Thoroughly fill the area with mist, using 1 to 2 ounces per 1000 cubic feet. Keep area closed for 10 minutes or more. Vacate after treatment and ventilate before re-occupying. Repeat treatment as needed.

For initial clean-out of infestations of cockroaches, ants, spiders, sliverfish, crickets, box elder bugs, scorpions and clover mites; dilute 1 part of concentrate in 4 parts water or oil. Apply to 750 square feet. Spray thoroughly all surfaces where these insects are usually found, including walls, baseboard moldings, doors, cabinets, shelves, sinks and pipes, with special attention to cracks and crevices, niches, dark corners, drains and similar hiding places. Treat ant trails, nests and runs. When possible, spray insects directly.

Repeat treatment using a dilution of 1 plus 9 at the same rate of application after an interval of one month, or when re-infestation occurs.

IN MILLS, ELEVATORS AND GRANARIES: For rapid initial kill of exposed or accessible stages of granary weevil, rice weevil, confused flour beetle, rust red flour beetle, cadelle, saw-toothed grain beetle, spider beetle, cheese mites and grain mites; dilute at a rate of 1 part concentrate to 9 parts water or oil. Clean out any waste grain, dust, dirt or debris and destroy before spraying. Apply as a coarse droplet spray, using approximately 1 gallon to 750 square feet of surface.

Infested stored products should be fumigated or treated by other effective methods, using an approved product intended for this use.

In mills, elevators, and granaries, thoroughly spray floors, walls and other surfaces of bins, storage and handling areas, with particular attention to cracks, crevices and similar protected locations. Treat unloading, handling and processing areas, and apply the insecticide to conveying, processing and handling equipment, such as the inside of reel conveyors, purifier conveyors, sifters, roll housings and hoppers, pickup conveyors, etc. Spray thoroughly around the base of heavy machinery and equipment.

Thoroughly treat walls, floors, shelves and other exposed surfaces, and lightly spray each layer of cartons or containers as stacked.

Sack surfaces of bagged grain can be sprayed lightly until slightly moist.

For protection in transit, treat truck beds, box cars, and ships holds before loading. Using a dilution of 1 part Concentrate in 9 parts water, apply at a rate of 1 gallon to 750 square feet of surface, with particular attention to cracks, crevices, and similar hiding places.

To control exposed accessible stages of Indian meal moth and Angoumois grain moth in stored grain: dilute 1 part of Concentrate at a rate of 2 gallons per 1000 square feet. (1.6 pints per 100 square feet). Apply at monthly intervals beginning with the first appearance of moths and continuing until early fall. In case of severe infestation, break up webbing with rake before spraying and make a second application in two weeks.

CAUTION**KEEP OUT OF REACH OF CHILDREN**

Harmful if swallowed. Do not re-use empty container. Destroy by perforating or crushing and burying in a safe place.

See Left and Right Side Panels for additional cautions and directions for use.

Net Contents _____

MC LAUGHLIN GORMLEY KING COMPANY
MINNEAPOLIS, MINN., U.S.A. 55427

2/3 L

FORMULA 7243

(Right Panel)

ON LIVESTOCK, CATTLE, SHEEP, HORSES, GOATS, HOGS: To control horn flies, house flies, mosquitoes, and gnats, dilute at the rate of 1 part Concentrate to 39 parts water and apply to wet the hair thoroughly, with particular attention to the topline, underline, flanks, withers, and other infested areas. Repeat treatment at intervals of 5 to 12 days for small insect populations, or as needed when flies are emerging in large numbers.

To control stable flies, horse flies, and deer flies, dilute 1 part Concentrate to 9 parts water and apply a quart per adult animal to wet the hair thoroughly with particular attention to the legs, flanks, barrel, topline, and other body areas commonly attacked by these flies. Repeat treatment each week, or as needed.

To control face flies, dilute 1 part Concentrate to 9 parts water. Use a spray which produces large wetting droplets. Apply to the face of the animal in the morning before releasing to pasture. Apply sufficiently to wet the face, but not more than 1-1/2 ounces per animal. Repeat daily as needed.

For effective control of motile stages of biting lice and sucking lice on cattle, horses, sheep, goats, and hogs, dilute this Concentrate at a rate of 1 part in 100 parts water. Spray to thoroughly wet the hair of the animal, including the head and brush of the tail. Repeat treatment in 10 days to kill newly hatched lice.

To control poultry lice, using a dilution of 1 to 100 in water, dip birds by submerging in a barrel, tank or tub of the solution, holding the wings away from the body to insure thorough wetting of all infested areas. In order to avoid chilling the fowls, dip them on a warm day, or in a warm building.

For control of bedbugs and mites in poultry houses, dilute 1 part of Concentrate with 9 parts of water and spray crevices of roost poles, cracks in walls, and cracks in nests where the bedbugs and mites hide. Repeat as necessary.

To control sheep "tick" or ked, dilute at the rate of 1 part of Concentrate to 100 parts of water and thoroughly wet all portions of the body by dipping or by spraying with sufficient pressure and with a nozzle adjustment to give penetration of the wool. Treat at a rate sufficient to wet the animal.

To kill fleas on horses, cattle, goats and pets, and to obtain protection against re-infestation, dilute at 1 to 9 in water and wet the animal by dipping or spraying. For best results against fleas and ticks on dogs, the kennels or animal quarters and bedding should also be treated. Repeat as necessary.

To control spinose ear tick, dilute at the rate of 1 part Concentrate to 24 parts water and apply by individual treatment, syringing or pouring 1 to 2 ounces into each ear of large animals, or a few drops into ears of dogs.

IN BARN, MILKING PARLORS, MILK ROOMS and DAIRIES: To control flies, mosquitoes, and gnats, dilute at the rate of 1 part Concentrate to 9 parts of water or oil and apply as a fog or fine mist, directing spray toward the ceiling and upper corners until the area is filled with mist, using about 2 ounces per 1000 cubic feet of space. For best results, close doors and windows before spraying, and keep them closed for ten to fifteen minutes. Vacate the area and ventilate before re-occupying. Repeat application as necessary.

MOSQUITO CONTROL, OUTDOORS: To control adult mosquitoes, using ground application, dilute 1 part Concentrate in 7 parts of water or oil. Apply as a fine mist or fog. Treat shrubbery and vegetation where mosquitoes may rest. Shrubbery and vegetation around stagnant pools and marshy areas may be treated. Application of this product to any body of water is prohibited. Repeat as necessary, usually once or twice a week.

With mobile or truck-mounted equipment, the above application rate will result if a 400-foot swath is treated, traveling at 15 mph, dispensing spray at a rate of 40 gallons per hour.

Application using fixed wing aircraft: Use 6 to 12 ounces of Concentrate in 4 gallons of water per acre.

To control mosquito larvae, dilute in oil at a rate of 1 part Concentrate to 150 parts oil (5 pints in 50 gallons) and apply at a rate of 20 to 25 gallons per acre. Apply as a coarse wetting spray to intermittently flooded areas, stagnant water, temporary rain pools and log ponds.

(Left Panel)

ON GROWING CROPS: May be used on edible crops (outdoors or in greenhouses) up to and including day of harvest. Especially desirable as a clean-up or pre-harvest spray where other materials may not be used, due to residue restrictions. When applied according to accepted use cautions and directions, this Concentrate may be used in combination with other insecticides where resistant insects are a problem, or as an "exciter", where insects are flushed out of hiding and into contact with spray residues.

On the following crops to control the insects named, use 12 to 36 ounces per acre in sufficient water to allow thorough coverage (usually 100 gallons). Coverage of upper and lower leaf surfaces is essential for good control.

ASPARAGUS: Asparagus Beetle

BEANS: Aphids, Leafhoppers, White Fly, Mexican Bean Beetle,
12-spotted Cucumber Beetle

BROCCOLI, CABBAGE, BRUSSELS SPROUTS, CAULIFLOWER:

Aphids, Cabbage Looper, Cross-striped Cabbage Worm, Diamondback Moth
Larvae, Flea Beetle, Harlequin Bug, Imported Cabbageworm, Stink Bug

CELERY: Green Peach Aphid, Cabbage Looper, Leaf Tier

CRANBERRIES: Fireworms, Leafhopper

EGGPLANTS: Blister Beetle, Colorado Potato Beetle, Flea Beetle, Green Peach Aphid

LETTUCE: Cabbage Looper, Green Peach Aphid, Diamondback Moth Larvae, Imported
Cabbageworm

MUSTARD GREENS, KALE, COLLARDS, TURNIPS: Imported Cabbageworm, Diamondback
Caterpillar, Aphids, Cabbage Looper

PEPPERS: Green Peach Aphid

POTATOES: Aphids, Colorado Potato Beetle, Flea Beetle, Leafhopper

RADISH: Aphids, Flea Beetle

SPINACH: Aphids, Cabbage Looper, Webworm

TOMATOES: Green Peach Aphid, Colorado Potato Beetle, Stink Bug, Flea Beetle

ORNAMENTALS: (African Violets, Asters, Azaleas, Begonias, Camelias, Carnations,
Chrysanthemums, Dahlias, Dogwood, Geraniums, Gladioli, Marigolds,
Roses, Rubber Plants, Wandering Jew) Aphids, Flea Beetles,
Leafhoppers

DROSOPHILA OR FRUIT FLY CONTROL: Dilute at the rate of 6 parts concentrate with 1200 parts water (6 pints per 150 gallons or 6 tablespoonful with 4 gallons water). Thoroughly mix the emulsion in the spray tank. Make treatments as follows:

1. Apply liberally to tomatoes and fruits in baskets, on trucks and plants. Use sprayers at a high pressure for applying at the rate of 5 or 6 pints of the diluted spray to a two-ton load of tomatoes. Direct the spray for a maximum coverage of the baskets or hampers. It is important to spray between and beneath 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.
4. After washing and cleaning up the inside of the processing plant and just prior to bringing fruit into it, the entire space inside the cannery should be sprayed at a dilution of 6 parts Concentrate to 59 parts water (6 pints) with 7 gallons 3 pints water or 12 tablespoonful with 3-1/4 pints water, at the rate of 1 gallon to 750 square feet. Direct spray on walls, ceilings, and floors, paying special attention to forcing spray into all cracks and crevices.

CAUTIONS:

The use of this product in food processing plants should be confined to time periods when the plant is not in operation. Foods should be removed or covered during treatment. All food processing surfaces should be covered during treatment or thoroughly cleaned before using.

If used in edible product areas of federally-inspected meat, poultry, shell egg grading and egg product establishments, it must be dispersed as an aerosol spray (no droplets over 50 microns in diameter and 80% less than 30% microns).

When diluting in water, prepare only the amount required for immediate use. Holding a water dilution more than 24 hours is not recommended.

Do not apply outdoors when weather conditions favor drift from area treated.

This product is toxic to fish. Keep out of lakes, streams, ponds, tidal marshes, and estuaries. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment, or disposal of wastes. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where these are important resources. Apply this product only as specified on this label.