

ACCEPTED

SEP 13 1977

Under the Federal Insecticide, Fungicide, and Herbicide Act as amended, Mr. Leo F. Carmel, registered under EPA Reg. No. 5011-128

# FORMULA F-500

EPA Reg. No. 5011-128  
EPA EST. NO. 5011-IN-1

A Powerful Fogging and Contact Insecticide  
Containing Synthetic Pyrethroid S.B.P. 1382<sup>TM</sup>

**CARMEL**

**ACTIVE INGREDIENTS:**

* (5-Benzyl-3-furyl) methyl 2,2-dimethyl-3-(2-methylpropenyl) cyclopropanecarboxylate ..	0.500%
Related Compounds ..	0.068%
Aromatic Petroleum Hydrocarbons ..	0.662%
Petroleum Hydrocarbons ..	98.750%

**INERT INGREDIENTS:**

.....	0.020%
.....	100.000%

\*Cis/trans isomers ratio: max. 30% (±) cis and min. 70% (±) trans.

**ETHICAL**

## CAUTION

**KEEP OUT OF REACH OF CHILDREN  
HARMFUL IF SWALLOWED**

Remove Pet Birds and Cover Fish Aquariums before spraying. See Side Panels for additional cautions and directions.

**CHEMICALS**



MANUFACTURED BY

**Carmel Chemical Corporation**

BOX 406, WESTFIELD, INDIANA 46074

5011-128

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An insecticide for use in Baking Companies, Bottling Plants, Breweries, Candy Factories, Canneries, Distilleries, Flour Mills, Horse Stables, Hospital Maintenance Areas, Kennels, Nut Processing Companies, Rice Mills, Seed Houses and Restaurants. See caution limitations.

For thermal fogging control of flies, mosquitoes, and gnats and direct contact spraying control of roaches, ants, spiders, water bugs and house centipedes.

Recommended for use in thermal fogging applicators and can also be applied by electric and other power and hand operated sprayers.

#### **DIRECTIONS**

**Thermal Fogging Application Indoors for Control of Flies, Mosquitoes and Gnats:** After closing off all air currents, direct fog upwards at walls and ceilings so that as many insects as possible can be contacted with a direct fog. When application is made with a thermal fog applicator, use one ounce of Carmel Formula F-500 per 1,000 cubic foot of space. Keep premises closed for at least 10 minutes after fogging. Sweep up and destroy all dead and dying insects. Repeat when necessary.

**Direct Contact Spray Application for Control of Roaches, Ants, Spiders, Water Bugs and House Centipedes:** Direct a wet spray toward infested areas, floors, cracks and crevices to hit the insects. Apply Carmel Formula F-500 with an efficient electric or other power or hand operated sprayer that will deliver a coarse spray. Thorough application should be made with repeated treatment whenever reinfestation occurs.

#### **CAUTION**

Use this product in food processing plants only when plant is not in operation. Foods should be removed or covered during treatment. All processing surfaces should be covered or thoroughly cleaned before using. Do not remain in treated area and ventilate after treatment is completed. Observe usual caution as should be followed with any insecticide. **DO NOT USE, POUR, SPILL OR STORE NEAR HEAT OR OPEN FLAME.**

Do not reuse empty container. Destroy it by perforating or crushing. Bury or discard in a safe place. In case of drums: Return to drum conditioner or destroy by perforating or crushing and burying in a safe place.

#### **KILLS ADULT WHITEFLIES IN GREENHOUSES**

When applied with a Thermal Fog Applicator Formula F-500 is recommended for the kill of Adult Whiteflies, prior to bloom formation, on Snapdragons, Norfolk Island Pine, Begonia species, Coleus varieties, Dieffenbachia, Poinsettia, India Rubber Tree, Gardenia, English Ivy, Hibiscus, Chinese Fan Palm, Foundation Palm, Geranium, Palms, Azalea, Arum Lily, Bird of Paradise Flower, Crane Lily, Wandering Jew, Zephyr Lily.

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## PREPARATION OF THE GREENHOUSES PRIOR TO FOGGING

1) Close all doors, windows and ventilators. 2) Lock or barricade all entrances, post warning signs, take precautions to prevent persons and animals from entering the area. 3) Turn off all mistings systems, fans and sulphur pots. Be certain all foliage is dry. 4) Room temperature should read from 70° to 85° F. for best insect kill.

### APPLICATION: DOSAGE

Calculate in cubic feet the greenhouse space to be treated. One ounce of F-500 will treat 1000 cubic feet of space. Pour into the Thermal Fog Applicator insecticide tank the required number of ounces of Formula F-500 to treat the calculated space.

### APPLICATION: METHOD

Walk backward down the entire length of the center aisle of the greenhouse directing the fog under the benches, swaying the machine back and forth, to blanket two benches from each side of the aisle. Keep the Thermal Fog Applicator nozzle at a minimum of four feet from plants. The Thermal Fog Applicator should never be used in a fixed position—it is to be constantly moving so as to cover the entire area as evenly as possible. Do not over-apply to the point where the foliage is visibly wet. NOTE: For ground benches, walk backward down the center aisle directing the fog applicator nozzle at a 30° angle downward so that the fog hits the ground. Repeat applications as often as necessary.

### DURATION OF EXPOSURE

Length of exposure time is 1½ hours with ventilators and doors closed. After this exposure time, the house should be well ventilated—at least 1 hour—before re-entering. Damage may result with longer exposure periods.

### NOTICE

Seller makes no warranty other than specified on this label. The buyer agrees that the seller shall not be responsible or liable for injury to crop, soil, person, or property arising from careless or improper use or handling of the product. Please use in accordance with seller's directions.