

UNITED STATES DEPARTMENT OF AGRICULTURE

FORMULA MU-5

NAME

UVA Reg. No. 1011-

A concentrated insecticide formulation for use in tobacco
which uses and to be applied with a Carvel Chemical For
Applicator only.

ACTIVE INGREDIENTS:

1,3-Dichlorovinyl dimethyl phosphate-----	2.87
Related compounds -----	0.73
Control materials -----	0.05
1,1,1-Trichloroethane -----	<u>60.45</u>
Total	64.10

PERCENT

PLANT

CODE

FORMULA MU-5

UNITED STATES DEPARTMENT OF AGRICULTURE

Formulation for use in tobacco

insecticide

Manufactured by

Carvel Chemical Company

1000 North 10th Street
Tulsa, Oklahoma 74103

ACCEPTED

JAN 22 1969

1011-43

REGISTERED
1-22-69
5011-93

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(Side Panel)

When applied as an aerosol with the Carmel Chemical Formula MU-5 applicator,
CARMEL CHEMICAL FORMULA MU-5 is recommended for the control of Cigarette
Beetles and Tobacco Moths in buildings where tobacco is stored.

PREPARATION OF THE BUILDING PRIOR TO FOGGING

(1) Close all doors, windows, and ventilators. (2) Lock or barricade all entrances,
post warning signs, and take precautions to prevent persons and animals from
entering the area. (3) Room temperature should read over 70° F. for best insect kill.

FOR CIGARETTE BEETLE OR TOBACCO MOTH CONTROL

IN TOBACCO STORAGE ROOMS:

Wear a full-faced gas mask with canister type recommended by the U. S. Department
of Agriculture for Phosphate insecticide protection. (1) Open the metering valve
on the Carmel Chemical Fog Applicator counter-clockwise to the No. 4 setting on the
dial. Eight ounces of liquid will be forced per minute, with a mean median diameter
of 5 microns, to treat 14,130 cubic feet of space (equivalent to 1000 cubic feet per
3,000 cubic feet of space).

FOGGING RATE FOR CIGARETTE BEETLE: Use 1 ounce per 1,000 cubic feet of space twice
per week for total cigarette beetle control.

FOGGING RATE FOR TOBACCO MOTH: Use 1 ounce per 1,000 cubic feet of space once
per week for total tobacco moth control.

ADDITION: Walk through the fogger at the rate of 100 feet per minute. The fogger
Fog Applicator back and forth in the room until the fogger is empty of the room.

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Minimum length of exposure time is 2 hours with windows and doors closed. After this exposure time, the room should be well ventilated - at least 1 hour before re-entering.

CARMEL CHEMICAL FORMULA MU-5 registers no flash point when tested in accordance with ASTM Standard D 92 - 66, Cleveland Open Cup.

FOG APPLICATOR NOTICE

Flush the insecticide tank of the Carmel Fog Applicator immediately after each use otherwise residue from the formulation may remain in the tank and insecticide system and block the system completely resulting in poor output and poor insect control. Flushing immediately after use is a complete answer to this problem.

TO FLUSH:

1. Drain insecticide tank. (To avoid draining tank after starting, pour in only required amount of insecticide and use it all in the fogging operation.)
2. Pour at least 1 gallon of Carmel Chemical Formula (MU-5) into tank. (Use all fog to use up the entire gallon of insecticide.)
3. Replace tank cap and rock applicator and fogger engine.
4. Start machine (outside) and "fog" until tank is empty.
5. Loosen insecticide tank cap to relieve pressure.
6. Remove spark plug filter and clean the machine.

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After flushing the Carburetor Applicator, clean engine tailpipe with tailpipe
brush and clean intake with special cleanout rod.

CAUTION

Antidotes: If swallowed: Give a tablespoonful of salt in a glass of warm water
and repeat until vomit fluid is clear. Have victim lie down and keep quiet. Call
a physician immediately.

WARNING: Poisonous by skin contact, inhalation, or swallowing. Rapidly absorbed
through skin. If on skin, wash immediately with soap and water. Do not get in
eyes, on skin or on clothing. In case of contact, immediately remove all
contaminated clothing and flush skin or eyes with plenty of water for at least 15
minutes. For eyes, get medical attention. Do not breathe fumes or spray mist.
Wash thoroughly with soap and water after handling and before eating or smoking;
wear clean clothing. Airplane is antiodor. Stay away from heat and open flame.
Always wear a gas mask of a type recommended by the U. S. Department of Agriculture
for phosgene insecticide and other. Keep out of reach of children. Extinguish
all pilot lights before starting. Do not allow pipes to become.

NOTICE: Rinse equipment and containers and dispose of waste by burying in a deep
hole away from water and fire. Containers or cans should be thoroughly washed for
reuse and buried with waste, only handling them out of reach.

NOTICE: Do not make any repairs other than those mentioned in this manual. Do not
attempt to disassemble the carburetor or other parts of the engine. If you have any
questions, or if you need help, contact your distributor or the manufacturer of
the product. Do not use this product if you are ill or if you are pregnant.

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PREPARED BY: _____

If subjected to temperatures below 50°F, move container to warm storage until reaching average room temperature and thoroughly mix before use. Keep out of reach of children.

Net Contents: _____