

This insecticide is a concentrated formula containing pyrethrins and piperonyl butoxide and it is recommended for use in all types of food processing plants, factories, schools, institutions, restaurants, dairies and similar locations.

[4077-44]

ACCEPTED  
May 25, 1967  
UNDER THE FEDERAL INSECTICIDE FUNGICIDE AND RODENTICIDE ACT FOR ECONOMIC POISON REGISTERED UNDER NO. 4077-44 SUBJECT TO ATTACHED COMMENTS.

**DIRECTIONS**  
**FLYING INSECTS** As a space spray for control of flying insects such as flies, fruit flies, gnats, wasps, mosquitoes, apply as a finely atomized spray by means of a suitable sprayer such as a Challenger Electric Sprayer. Most efficient use of the insecticide as a space spray is obtained if sprayer setting is at low output since this results in a finer spray which remains airborne longer. High output settings on some sprayers result in a heavy wet spray which rapidly falls to the floor rather than remaining airborne long enough to do an effective job. Room should be closed during treatment and for 10 to 15 minutes following treatment.

**STORED PRODUCT INSECTS** As a space spray for controlling the exposed and accessible stages of stored product insects such as adult stages of Mediterranean flour moth, cocoa or tobacco moth, angoumois grain moth, confused flour beetle, cadelle, saw toothed grain beetle, red rust flour beetle, rice weevil, drug store beetle, cigarette beetle, spider beetles, cheese mites, apply in the same manner as for flying insects, bearing in mind that a space spray reaches only exposed stages. For best results treatments should also be made as outlined under crawling insect directions.

**DOSE AS SPACE SPRAY** Required dosage is generally in the range of 1 ounce per thousand cubic feet of space. Extremely high potency formulas of this type may sometimes be used at a lower dosage rate depending on the pyrethrins and synergist content and the individual user may determine the minimum allowable dosage by trial, making use of test cages if available, and taking into consideration the potency of the particular insecticide being used. When using lower dosage rates it is extremely important to use no of volume sprayer and to adjust the nozzle at a distance of several feet away from the target to be treated and the full value of the high potency insecticide will be realized.

No. 204

VIII Loder  
XII A. Loder

SYNERGIZED PIPERONYL BUTOXIDE SPRAY

For Control Of

Flying Insects such as Flies, Mosquitoes, Fruit Flies, Wasps, Gnats, Flying Moth, Accessible stages of Stored Product Insects, Crawling Insects such as Roaches, Ants and Silverfish.

Active Ingredients 100% : contains Petroleum Solvent, Technical Piperonyl butoxide\*\*, Pyrethrins.

\*\*consists of (butyl carbityl) 6 propyl piperonyl ether and related compounds.

CAUTION: KEEP OUT OF REACH OF CHILDREN. SEE ADDITIONAL CAUTIONS ON RIGHT HAND PANEL.

... crawling insects such as roaches, ants, spiders, silverfish, etc. may be controlled by space sprays but for most insects a direct spray application is required. All in contact with these insects should be cleaned, covered, and air dried. The active ingredients of the stored product insecticide will reach the adult stages of the insects on the structural faults and crevices where they were found in such locations. Do not spray into these harborage areas and try to get so that any insects present will be contacted. A suitable sprayer for this purpose is a 1 or 2 gallon compression sprayer fitted with a fan jet or misting jet nozzle. In spraying harborage and adjacent surfaces a harmless residue of pyrethrins and synergist is left on the surface wetted which though relatively short lived may have a killing action on insects for a period of hours after application. Effective control of insects which infest stored food products such as flour or cereals requires periodic cleanup of conveyors and equipment as well as application of insecticides and use of fumigants.

**THERMAL AEROSOLS** When used in fog generators such as the Wym-F 3, Swing Fog or other similar machines do not exceed a dosage of 1 gallon per 50,000 cubic feet of space. Do not overdose. Be sure all sources of ignition have been removed and carefully follow equipment manufacturer's safety recommendations. Fog or thermal aerosols will reach accessible insects just as space sprays do and the fog will go only where it is forced or carried by air currents and has somewhat the same limitations as to effectiveness as does a properly applied space spray.

**PRECAUTIONS** Do not spray directly on foodstuffs, food contact surfaces or food handling equipment. Cover such items before spraying to avoid contamination. Use the product as a space spray in food processing plants only when plant is not in operation. Foods should be removed or covered during treatment. All food processing surfaces should be covered or thoroughly cleaned before using.

**INFLAMMABLE** Do not spray near fire or open flame. All sources of ignition and flame should be eliminated before spraying. Cigarettes, matches, lighters, etc. should be kept out of reach of children. Do not swallow.

Contains 5 gals.

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