

# Synerol<sup>®</sup> Insecticide

**Get** excellent flushing and knockdown of a variety of crawling, flying, and grain insects with Synerol<sup>®</sup> insecticide. Use it undiluted as a space spray or contact spray. For deep harbor-age applications, use Synerol in Actisol<sup>®</sup> equipment to get excellent performance with less product.

**Synerol** kills German cockroaches, ants, crickets, earwigs, silverfish, fleas, flies, mosquitoes and a multitude of grain insects. With Synerol, you can treat stored-food areas containing food items in multi-walled or cloth bags. In addition, Synerol has USDA F1 authorization.

**Synerol** dilutions will help you control lesser infestations of the same pests. Diluted Synerol can even be used in animal quarters, such as cattle barns, horse barns, poultry houses, swine houses and zoos. However, you should avoid exposing reptiles to the product.

Actisol is a registered trademark of AgrEvo Environmental Health, Inc.

Synerol is a trademark of AgrEvo Environmental Health, Inc.

AgrEvo Environmental Health recommends reading and following label directions carefully.

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Available in:

1 gal. (4 x 1 gal./case)

Prod. No. 235011

Contains:

2.5% pyrethrins

12.5% piperonyl butoxide

Food Grade Oil

# Synerol<sup>®</sup> Insecticide

## SPECIMEN LABEL

\* CONTAINS PYRENONE<sup>®</sup>

\* FOR USE BY TRAINED PERSONNEL ONLY.

\* TO BE APPLIED ONLY BY OR UNDER SUPERVISION OF PEST CONTROL OPERATORS, MEMBERS OF PUBLIC HEALTH ORGANIZATIONS AND OTHER TRAINED PERSONNEL RESPONSIBLE FOR INSECT CONTROL PROGRAMS.

### ACTIVE INGREDIENTS:

Pyrethrins . . . . . 2.5%

\* Pprperonyl Butoxide, Technical . . . . . 12.5%

\*\* INERT INGREDIENTS: . . . . . 85.0%  
100.0%

Synerol and Pyrenone<sup>®</sup> are registered trademarks of AgrEvo Environmental Health, Inc.

\* Equivalent to 10% (butylcarbryl) (6-propylpiperonyl) ether and 2.5% related compounds

\*\* Contains Petroleum Distillate

KEEP OUT OF REACH OF CHILDREN

**CAUTION**

SEE SIDE PANELS FOR  
ADDITIONAL PRECAUTIONARY STATEMENTS

EPA Reg. No. 4816-570-432

EPA Est. No. 42545-MO-1 (G)\*

EPA Est. No. 10370-TX-1 (F)\*

\*Letter refers to lot of producing establishment.

PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS & DOMESTIC ANIMALS

**CAUTION**

Harmful if swallowed. Do not pour or spill near open flame. Remove pets, birds and cover fish aquaria before spraying. Do not breathe spray mist. Wear mask or respirator of a type recommended by the U.S. Bureau of Mines to give adequate protection against this material. Wear protective clothing. Wash exposed skin surfaces with soap and water after handling and before eating or smoking. Wash all contaminated clothing with soap and hot water before reuse.

Do not apply directly to food. Do not apply space spray while food processing is underway. Foods should be removed or covered before treatment. Thoroughly wash all food processing surfaces before reuse. In food processing plants and Federally inspected meat and poultry plants, all surfaces in processing areas must be washed and rinsed in potable water after spraying. Except in Federally inspected meat and poultry plants, food processing operations do not have to be stopped while applying a wet spray with care and in accordance with the directions given herewith.

When using in animal quarters, do not apply directly to food, water or food supplements. Wash teats of dairy animals before milking.

## STATEMENT OF PRACTICAL TREATMENT

**IF SWALLOWED:** Call a physician or Poison Control Center immediately. Gastric lavage is indicated if material was taken internally. Do not induce vomiting; vomiting may cause aspiration pneumonia.

**IF INHALED:** Remove victim to fresh air. Apply artificial respiration if indicated.

**IF ON SKIN:** Remove contaminated clothing and wash affected areas with soap and water.

**IF IN EYES:** Flush eyes with plenty of water. Get medical attention if irritation persists.

## ENVIRONMENTAL HAZARDS

This product is toxic to fish. For terrestrial uses, do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. 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 crabs may be killed at application rates recommended on this label. Do not apply where these are important resources.

## DIRECTIONS FOR USE

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

## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal  
**PESTICIDE STORAGE AND SPILL PROCEDURES:** Store upright at room temperature. Avoid exposure to extreme temperatures. In case of spill or leakage, soak up with an absorbent material such as sand, sawdust, earth, fuller's earth, etc.

Dispose of with chemical waste.

**PESTICIDE DISPOSAL:** Pesticide, spray mixture or rinse water that cannot be used according to label instructions must be disposed of at or by an approved waste disposal facility.

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

**CONTAINERS ONE GALLON AND SMALLER:** Do not reuse container. Wrap container in several layers of newspaper and discard in trash.

For indoor or outdoor application as a space, area or contact spray. Dependent upon pests to be controlled and the area to be treated, may be applied through Mechanical Aerosol Generators (ULV) or Thermal Fogging Equipment as well as conventional fogging or spraying equipment.

## INDOOR USE AREAS:

Bakeries	Homes	Schools
Beverage Plants	Horse Barns	Stored Food in
Cattle Barns	Hospitals	Multi-Walled
Canneries	Hotels	Paper or Cloth
Dried food Products	Industrial	Bags
In Storage or	Installations	Supermarkets
Processing	Meat Parking Plants	Swine Houses
Flour Mills	Motels	Truck Trailers
Food Processing	Office Buildings	Warehouses
Plants	Poultry Houses	Ships' Holds
Grain Elevators	Railroad Cars	Zoos
Granaries	Restaurants	

## OUTDOOR USE AREAS:

Corrals	Golf Courses	Swine Yards
Drive-in Restaurants	Parks	Urban Areas
Drive-in Theaters	Playgrounds	Zoos
Feedlots	Recreational Areas	

Synerol insecticide effectively controls the following insects when the applicator follows the directions for use as given below.

Angoumois Grain Moths	Deer Flies	Mediterranean Flour Moths
Ants	Dried Fruit Beetles	Red Flour Beetles
Boxelder Bugs	Drugstore Beetles	Rice Weevils
Cadelles	Earwigs	Sawtoothed Grain Beetles
Cheese Mites	Fleas	Silverfish
Cheese Skippers	Fruit Flies	Small Flying Moths
Cigarette Beetles	Grain Mites	Spiders
Clover Mites	Granary Weevils	Spider Beetles
Cockroaches (German)	Horn Flies	Stable Flies
Confused Flour Beetles	Hornets	Tobacco Moths
Crickets	Horse Flies	Wasps
Dark Mealworms	House Flies	Yellow Mealworms
	Indian Meal Moths	
	Lice	
	Mosquitoes	

## INDOOR USE, UNDILUTED

The use of this product in food processing or food handling establishments (bakeries, beverage plants, canneries, food processing plants, hospitals, hotels, industrial installations, meat packing plants, restaurants, schools, supermarkets and warehouses) should be confined to time periods when the plants or facilities are not in operation. Foods should be removed or covered during treatment. All food processing surfaces should be covered during treatment or thoroughly cleaned before reusing.

## SPACE AND CONTACT SPRAY APPLICATION

To control accessible adult stages of:

Ants	Fleas
Boxelder Bugs	Flies
Cheese Mites	Fruit Flies
Cheese Skippers	Hornets
Clover Mites	Mosquitoes
Cockroaches (German)	Silverfish
Crickets	Small Flying Moths
Earwigs	Wasps

and the following common stored product pests:

Angoumois Grain Moths	Indian Meal Moths
Cadelles	Mediterranean Flour Moths
Cigarette Beetles	Red Flour Beetles
Confused Flour Beetles	Rice Weevils
Dark Mealworms	Sawtoothed Grain Beetles
Drugstore Beetles	Spider Beetles
Grain Mites	Tobacco Moths
Granary Weevils	Yellow Mealworms

Close doors and windows and shut off ventilating systems. Use a mechanical aerosol generator or a fogger adjusted to deliver aerosol droplets (30 microns or less). Direct the spray first into all cracks and crevices, behind all equipment, cupboards, obstructions or dark harborage areas to provide maximum penetration and impingement on the insects. Then treat as a space spray, directing the spray towards the ceiling and upper corners of the area and behind any obstructions, apply at a rate of 0.4 ounce per 1000 cubic feet of space. Keep area closed for at least one hour. Vacate treated area and ventilate before reoccupying. Repeat treatment as necessary.

## TREATMENT OF STORED FOOD AREAS

Foods in multi-walled bags or in cloth bags stored in warehouses, storage rooms, flour mills, grain elevators and granaries.

To control accessible adult stages of:

Angoumois Grain Moths	Grain Mites
Cadelles	Granary Weevils
Cheese Mites	Indian Meal Moths
Cheese Skippers	Mediterranean Flour Moths
Cigarette Beetles	Red Flour Beetles
Confused Flour Beetles	Rice Weevils
Dark Mealworms	Sawtoothed Grain Beetles
German Cockroaches	Yellow Mealworms

Infested stored products should be destroyed, fumigated or treated by other effective methods using an approved product intended for this purpose. As noted above, disperse Synerol insecticide first by directing spray into cracks and crevices, corners, under pallets and around stacks of packaged goods-hitting as many insects as possible and then apply as a space spray at a dosage of 2.5 ounces per 1000 cubic feet of room space. Repeat application as necessary for insect control. Leave the treated areas closed for one hour. Do not remain in the treated area and ventilate before reentry.

### INDOOR USE DILUTED

**SPACE SPRAY APPLICATION:** For use in mechanical fogging of spraying equipment.

To control accessible stages of:

Flies	Gnats	Small Flying Moths
Fruit Flies	Mosquitoes	

Cover or remove exposed food and cover food handling surfaces in edible product areas of food handling establishments. Close rooms and shut off air conditioning or ventilating equipment. Mix 6 ounces of Synerol insecticide with sufficient oil to equal 1 gallon of diluted spray. Apply at the rate of 1-2 fluid ounces per 1000 cubic feet, filling the room with mist. For use in Thermal Fogging Equipment mix 8.5 ounces of Synerol insecticide with sufficient oil to equal 1 gallon of diluted spray. Apply at the rate of 1-2 fluid ounces per 1000 cubic feet, filling the room with fog. Keep area closed for at least 15 minutes. Vacate treated area and ventilate before reoccupying. Repeat treatment if reinfestation occurs. Do not apply while food processing is underway.

**ANIMAL QUARTER USE** (Cattle barns, horse barns, poultry houses, swine houses, zoos): As a space spray, diluted for use in conventional fogging or spraying equipment.

To control:

Flies	Gnats	Small Flying Moths
Flies	Mosquitoes	

Mix 2.56 ounces of Synerol insecticide with sufficient oil to equal one gallon of diluted spray. Apply at the rate of 2 ounces per 1000 cubic feet of space above the animals. Direct spray towards the upper portions of the enclosure filling the room with mist. Keep area closed for at least 15 minutes. Vacate treated area and ventilate before reoccupying. Repeat treatment if reinfestation occurs.

## SURFACE SPRAY APPLICATION

To control accessible stages of:

Ants	Drugstore Beetles	Lice
Boxelder Bugs	Earwigs	Silverfish
Clover Mites	Fleas	Spider Beetles
Crickets	German Cockroaches	

Mix 6 ounces of Synerol insecticide with sufficient oil to equal one gallon of diluted spray. Apply as a coarse droplet spray using approximately one gallon to 750 square feet of space. Spray walls, floors and other surfaces of bins and storage and handling areas thoroughly, being especially careful to treat cracks, crevices and similar hiding places. Treat unloading, handling and processing areas and inside conveying, processing and handling equipment. Spray thoroughly around the base of heavy machinery and equipment. Spray insects directly when possible.

**FOR IN-TRANSIT PROTECTION:** Clean and spray truck beds, boxcars, and ships' holds before loading. Thoroughly treat walls and floors and spray each layer of cartons or containers lightly as stacked.

### TREATMENT OF STORED GRAIN

To control accessible adult stages of:

Indian Meal Moths	Angoumois Grain Moths
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Apply to the surface of binned grain at a rate of 1 gallon per 1000 square feet. Apply at monthly intervals with the first appearance of moths and continue until early fall. In severe infestations, break up webbing with a rake before spraying and make a second application in two weeks.

### TREATMENT OF FLYING INSECTS' NESTING PLACES

To aid in the control of:

Gnats	Mosquitoes	Small Flying Moths
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Treat walls, ceilings, moldings, screens, door frames, window frames, beams, light cords and similar resting places with the above dilution of Synerol insecticide.

### OUTDOOR APPLICATION, UNDILUTED

For temporary reduction of annoyance from:

Flies	Gnats	Mosquitoes
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In drive-in theaters, drive-in restaurants, golf courses, urban areas, parks, playgrounds and other recreational areas. Direct the spray into tall grass, shrubbery and around lawns, where these pests may hover or rest. Apply while the air is still and avoid wetting foliage. Application should be made prior to use. Repeat as necessary.

In the treatment of corrals, feedlots, swine lots and zoos, cover any exposed water, drinking fountains and animal feed before application. Fill the area with mist and direct the spray into tall grass, shrubbery and around lawns where the above pests may hover or rest. Apply while the air is still and avoid wetting foliage. In zoos, avoid exposure of reptiles to the product. Repeat as necessary.

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