

APR 29 1991

Mr. Lewis Mantels  
Hysan Corporation  
4309 South Morgan Street  
Chicago, IL 60609

Dear Mr. Mantels:

Subject: Revised Label - Confidential Statement of Formula  
Hysan Big-Shot Total Release Fogging Insecticide  
EPA Registration No. 334-457  
Your Submissions Dated March 12 and 28, 1990

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable subject to the comment listed below. Five copies of the finished labeling must be submitted prior to releasing the product for shipment.

- Delete the reference to USDA authorization or provide written verification that the authorization is granted for this pesticide.

The formula dated March 28, 1990 is acceptable and has been included in our files. It is understood that use of methylene chloride in this formulation would no longer be consistent with the terms of its registration.

Sincerely yours,

Richard F. Mountfort  
Product Manager (10)  
Insecticide-Rodenticide Branch  
Registration Division (H7505C)

62489; I:A-27; Mountfort; L10-8; KEVRIC:04/24/91; 05/22/91; CL; EK; CL

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

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(Check with LARA Office before adding the USDA statement below.)

Authorized by USDA for use in Federally inspected meat and poultry plants.

**HYSAN**

# BIG-SHOT

## TOTAL RELEASE FOGGING INSECTICIDE

ONE UNIT TREATS UP TO 6,000 CUBIC FEET

A BROAD-SPECTRUM DUAL-PYRETHROID INSECTICIDE WITH EFFECTIVE KNOCKDOWN AND KILL FOR A WIDE RANGE OF COMMON FLYING AND CRAWLING INSECT PESTS

FOR USE IN Enclosed non-food areas inside Industrial, Institutional, Commercial, Residential, and Medical Buildings/Equipment/Vehicles

**ACTIVE INGREDIENTS:**

(1-Cyclohexene-1,2-dicarboximido)methyl 2,2-dimethyl-3-(2-methylpropenyl)cyclopropanecarboxylate†	0 20%
3-Phenoxybenzyl (1RS,3RS,1RS,3SR)-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate‡	0 40%
<b>INERT INGREDIENTS*</b>	99 40%
<b>TOTAL</b>	100 00%

\*Includes petroleum distillates (under 15%)  
†Tetramethrin  
‡Sumethrin, d-(cis,trans)-Phenothrin [max 25% (± cis,trans), 75% (± trans) and related isomers]

KEEP OUT OF REACH OF CHILDREN.

### CAUTION

SEE ADDITIONAL PRECAUTIONARY AND PRACTICAL TREATMENT (FIRST AID) STATEMENTS ON BACK PANEL.

EPA Reg. No. 334-457

EPA Est. No. 334-IL-2

MANUFACTURED BY

**hysan**<sup>®</sup>  
CORPORATION  
MAIN OFFICE CHICAGO, IL 60609  
OTHER LOCATIONS Waco, TX 76712  
Blue Island (Chicago), IL 60406  
Cartersville (Atlanta), GA 30120

NET WT 7.5 OZ (212 g)

NOTE: Below are alternate texts for use with alternate size containers and labels.)

NET WT 6 OZ (170 g)

ONE UNIT TREATS UP TO 5,000 CUBIC FEET

**DOSAGE RATE** Use one unit in each 5,000 cubic feet of unobstructed space (approximately 25 x 25 x 8 ft, 140 m<sup>3</sup>, 8 x 7 x 2 1/2 m). For control of fleas deep in rugs, furniture, etc., use one unit per 1,200 cubic feet (42 m<sup>3</sup>).

NET WT 12.5 OZ (354 g)

ONE UNIT TREATS UP TO 10,000 CUBIC FEET

**DOSAGE RATE** Use one unit in each 10,000 cubic feet of unobstructed space (approximately 35 x 35 x 8 ft, 280 m<sup>3</sup>, 11 x 10 x 2 1/2 m). For control of fleas deep in rugs, furniture, etc., use one unit per 2,500 cubic feet (70 m<sup>3</sup>).

NOTE: Minimum type size on back panel is 6 points (Type below is already at 6 points. Column widths are 8 point, 8 point, and 4 point, giving a back panel width of about 22 picas.)

**FEATURES, CLAIMS, AND USES**  
**KILLS:** Black Carpet Beetles, Cockroaches, Crickets, Fleas, Flies, Mosquitoes, small flying Moths, PM Bugs, Rice Weevils, Saw-toothed Grain Beetles, Silverfish, Spiders, Ticks, and Wasps. Aids in the control of Cockroach infestations.

#### PRECAUTIONARY STATEMENTS

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION** May be harmful if swallowed. Do not take internally or contaminate foods/drinks/feeds or surfaces they may contact. Avoid breathing spray mists or vapors. Avoid contact with eyes, skin, and clothing. If on skin or clothing, wash with soap and water.

#### STATEMENTS OF PRACTICAL TREATMENT (FIRST AID)

**GENERAL:** QUICKLY follow directions below AND call a Poison Control Center (or physician or emergency department) Always get quick medical attention for ANY ill effects which continue (or show up later).

**IF IN EYES:** Flush eyes with plenty of water while removing any contact lenses; then hold eyelids open and flush eyes thoroughly with water.

**IF SWALLOWED:** Because of aspiration hazard, do NOT induce vomiting unless directed by medical personnel. Immediately (for conscious victim) rinse mouth with water, spit out rinse, then drink a glassful or more of water. Get immediate medical attention.

#### PHYSICAL/CHEMICAL HAZARDS

Contents under pressure. Do not use or store near heat or open flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F (54°C) may cause bursting.

#### DIRECTIONS FOR USE

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

**PREPARATION:** Find and dispose of all infested foods/drinks/feeds. Cover or remove all exposed foods/drinks/feeds and any surfaces they may contact (on utensils, counters, appliances, equipment, etc.). Do not use in commercial food storage, preparation, processing, or serving areas.

Remove all people and pets (including birds), and cover non-movable aquariums, etc. in the area during treatment and ventilation. Isolate treatment area by closing all doors, windows, etc. on its perimeter, and shutting off sources of fresh air (fans, furnaces, air conditioners, etc.). Open doors, closets, cabinets, drawers, etc. in area to be treated. **TURN OFF ALL IGNITION SOURCES** (flames, pilot lights, gas igniters, sparking/arcing devices, red-hot surfaces, electric appliances, etc.) **IN AND NEAR TREATMENT AREA.**

**DOSAGE RATE** Use one unit in each 6,000 cubic feet of unobstructed space (approximately 30 x 25 x 8 ft, 170 m<sup>3</sup>, 8 x 6 x 2 1/2 m). For control of fleas deep in rugs, furniture, etc., use one unit per 1,500 cubic feet (42 m<sup>3</sup>).

**TO OPERATE:** Cover items in center of treatment area with polyethylene sheet or thick newspapers. Place spray can upright on covered floor/table/stand in this area. Keeping face away from spray opening, activate continuous spray by pressing spray button until it locks. Leave treatment area at once and keep it closed off for 4 hours.

**AFTER TREATMENT:** Open all outside doors/windows and allow area to air out for 30 minutes (2 hours for medical care areas) before resuming occupancy. All food-contact surfaces must be washed with an effective cleaning compound followed by a potable (drinking) water rinse. Repeat spraying in two weeks (or when necessary).

#### STORAGE AND DISPOSAL

**GENERAL:** Do not contaminate other materials (including water/food/feed) during transport, use, storage, and disposal. If damaged or leaking, soak up and wrap any waste, then dispose of as below.

**STORAGE:** Keep in a cool, dry, locked area inaccessible to children and away from sources of heat and ignition (including flames, sparks, hot surfaces, and sunlight). Containers heated above 130°F (54°C) may burst.

**DISPOSAL:** Refasten protective cap on container, securely wrap in several layers of newspaper, and discard in trash. Do not incinerate or puncture.

EPA Reg. No. 334-457  
EPA Est. No. 334-IL-2

**TO OPERATE:**  
PLACE SPRAY CAN ON A COVERED FLOOR, A LOW TABLE, OR A STAND IN THE CENTER OF THE TREATMENT AREA

[Illustration] of can sitting [on plastic] [sheet on] [floor or] [table]

KEEP FACE AWAY FROM SPRAY OPENING AND PRESS SPRAY BUTTON

[Illustration of] [hand holding] [can with] [finger] [pressing] [on spray] [button]

UNTIL IT LOCKS

LEAVE THE AREA AT ONCE

[Illustration] of spraying can [sitting on a] [covered floor] [or table]

ACCEPTED with COMMENT by EPA letter dated APR 29 1991

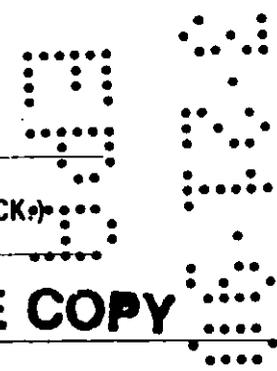
Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 334-457

(SEE ADDITIONAL COPY ON BACK)

## BEST AVAILABLE COPY

Hysan Product Name: **BIG SHOT**  
Hysan Product #: **56504-08-X-XX-XXXX**  
Disk Volume: **050 (L)**; Filename: **A56504-08 EPA**; Date Last Revised: **03-09-90**  
Product File Name at EPA: **Hysan Big-Shot Total Release Fogging Insecticide**

HYSAN LARA APPROVAL - by: \_\_\_\_\_ Date: \_\_\_\_\_  
 HYSAN R&D APPROV - by: \_\_\_\_\_ Date: \_\_\_\_\_  
 HYSAN SALES APPROVAL - by: \_\_\_\_\_ Date: \_\_\_\_\_



NOTE: Below are optional statements that can be added to label if specific permits

**FOR USE IN:** Enclosed areas inside Homes, Apartments, Cars, Vans, Campers, Mobile Homes, Boats, Trucks, Trailers, Buses, Trains, Boxcars, Ships, Holds, Cabins, Barges, Airplanes, Helicopters, and non-food areas of Public Transportation, Public Buildings, Schools, Laboratories, Ambulances, Hospitals, Nursing Homes, Doctor's & Dentist's Offices and Clinics, Veterinary Offices and Animal Hospitals, Pet Boarding Facilities and Zoos, Hotels and Motels, Restaurants and Cafeterias, Food Processing and Bottling Plants, Canneries, Manufacturing Plants and Factories, and Stores.

**Kills many common flying, crawling, grain, and plant insect pests, including:** American Cockroaches (Water-bugs), Angoumois Grain Moths, Ants, Aphids (Plant Lice), Armyworms, Bean Weevils, Bedbugs, Bees, Black Oak Acorn Weevils, Brown Dog Ticks, Budworms, Carpet Beetles, Centipedes, Confused Flour Beetles, Cutworms, Deer Flies, Earwigs, Field Crickets, Fleas, Fruit Flies, German Cockroaches (Croton Bugs), Gnats (Midges), Grain Mites, Grain Weevils, Gypsy Moths, Hornets, House Crickets, House Flies, Indian Meal Moths, Japanese Beetles, Leaf Beetles, Leathoppers, Lone Star Ticks, Millipedes, Mimosa Webworms, Mosquitoes, small flying Moths (Millers), Oakworms, Oriental Cockroaches (Asiatic; Shad Roaches), Pine Ticks, Plant Bugs, Red Flour Beetles, Red Spider Mites, Rice Weevils, Rose Weevils, Sawflies, Shiny Spider Beetles, Silverfish, Slugs, Sow Bugs, Spider Mites, Spiders, Spittlebugs, Spotted Camel Crickets, Stable Flies, Tent Caterpillars, exposed Thrips, Tussock Moths, Two-Spotted Mites, Wasps, Water Bugs, adult Whiteflies, and Yellow Jackets

**Kills Many Common Flying Insect Pests:** Bees, Flies (Deer, Fruit, House, and Stable), Gnats (Midges), Hornets, Mosquitoes, small flying Moths (Millers), Wasps, and Yellow Jackets

**Kills Many Common Crawling Household and Indoor Insect Pests:** Ants, Bedbugs, Carpet Beetles, Centipedes, Clover Mites, Cockroaches (including American (Water-bugs), German (Croton Bugs), and Oriental (Asiatic; Shad Roach)), Crickets (including Field, House, and Spotted Camel), Dermestids, Earwigs, Firebrats, Fleas (including cat), Millipedes, Mites, Silverfish, Sow Bugs, Spiders (including Black Widow), Ticks (including Brown Dog and Lone Star), and Water Bugs

**Kills Many Grain Insects** adult and accessible stages of Beetles (including Carpet, Confused Flour, Red Flour, Saw-Toothed Grain, and Shiny Spider), Mites (including Grain), Moths (including Angoumois Grain and Indian Meal), and Weevils (including Grain and Rice)

**Kills Many Sucking and Chewing Plant Insects** Aphids (Plant Lice), Armyworms, Beetles (including Japanese and Leaf), Budworms, Caterpillars (including Tent), Cutworms, Mites (including Red Spider, Spider, and Two-Spotted), Moths (including Gypsy and Tussock), Leathoppers, Mimosa Webworms, Oakworms, Plant Bugs, Sawflies, Slugs, Spittlebugs, exposed Thrips, Weevils (including Bean, Black Oak Acorn, Pine, and

NOTE: Section below includes optional/additional claims that can be made for this product (based on listings in CFR 40, Part 158, Appendix A). This product is not intended for use on food. All active ingredients in this product will be supported for the following general use patterns (use groups): **INDOOR (RESIDENTIAL/DOMESTIC, MEDICAL, and NONFOOD), RESIDENTIAL/DOMESTIC OUTDOOR, GREENHOUSE (NONFOOD CROP), and TERRESTRIAL (NONFOOD CROP)**. The following general use patterns are NOT claimed, because at least one of the actives is not expected to be supported for that use, or it is not applicable to this type of product: *Indoor (food); Forestry; Greenhouse (food crop); Aquatic (residential/domestic nonfood/noncrop, industrial nonfood/noncrop, outdoor nonfood/noncrop, and food use/crop); and Terrestrial (food/feed crop)*

**CAN BE USED IN NON-FOOD AREAS OF SITES (OR IN NON-FOOD AREAS CONTAINING THESE ITEMS, MATERIALS, AND SURFACES) SUCH AS THE FOLLOWING ...**

**Processed or Manufactured Products-**

Processed or manufactured nonfood plant and animal products (indoor): Textiles, fabrics, and fibers; fur and hair products; and leather products.

Processing and handling equipment and machinery- other than food processing (indoor).

**Pets and Domestic Animals- enclosed man-made premises for-**

*Fur and wool-bearing animals (indoor):* Goats, sheep, minks, chinchillas, rabbits, foxes, and nutrias.

Animals for labor, display, riding, racing, lab uses, etc. (indoor): Dogs; horses, donkeys, and mules; guinea pigs; mice; rats; gerbils; hamsters; monkeys; cats; chickens and birds; wild rodents; zoo ruminants; zoo ungulates; zoo canines; zoo felines; zoo primates; zoo reptiles; zoo amphibians; zoo birds; zoo- others.

Animals for pets, including their cages, bedding, nests, etc. (indoor): Dogs; cats; birds; rodents; lagomorphs; amphibians; reptiles; primates; and other vertebrates.

**Household-**

Non-food areas and sites (indoor): Closets and storage areas; basements and cellars; bedrooms; attics; recreation rooms; living rooms; baseboards, window sills, etc.; plumbing fixtures; and sickrooms.

Food handling and storage areas (indoor): Kitchens; dining rooms; and pantry and food storage shelving.

Household contents and space (indoor): Air; beds; rugs; bookcases; furs, fabrics, and blankets; play pens; sickroom utensils; filters for air vents, air conditioners, furnaces, etc.

**Outdoor areas- noncommercial homeowner use (domestic outdoor):** Enclosed porches; patios; foundations; steps; and eaves

**Noncrop, Wide Area, and General Indoor Treatments-**

Recreation areas, fairgrounds, race tracks, tennis courts, etc. (terrestrial noncrop): Enclosed recreation area structures.

Directed pest control to pest's nests, etc. (indoor). Enclosed indoor nuisance bee nests and ant dens.

**Commercial and Industrial Uses-**

Transportation facilities (indoor): Buses; trucks and trailers, containerized units; railroad cars; aircraft; ships/barges; autos and taxis; recreational vehicles; and shipping containers.

Food and feed processing plants (indoor): Non-processing and inedible product processing areas of bakeries; bottlers; canneries; dairies, creameries, and milk processing plants; feed mills and feed stores; fresh fruit packing and processing; meat processing; poultry processing; wineries and wine cellars; flour mills;

**BEST AVAILABLE**

processing, cane mills, etc.; cider mills; dry plants; tobacco processing; beverage processing; cereal processing; seafood processing; vegetable oil processing; spice mills; vinegar processing; farinaceous processing (noodles, etc.); processing; dried fruit processing; pickle processing; chocolate processing; and fruit juice

Food marketing, storage, and distribution (indoor): food areas of food stores, markets, and starfish markets; food catering facilities; and food storage, and distribution equipment.

Hospitals and related institutions and facilities: Critical premises (for example, burn wards, hospital patient premises (wards, emergency rooms, etc.); noncritical premises (labs, lounges, storage); noncritical items (such as bedpan, furniture, etc.); and air treatment (also to air)

Janitorial equipment (indoor).

Barber and beauty shop instruments and equipment (indoor).

Morgues, mortuaries, and funeral homes: Premises (embalming rooms, etc.); equipment (instruments; burial vaults and mausoleum treatment).

Commercial, institutional, and industrial buildings, and structures (indoor): Lockers; equipment; gyms, bowling alleys, and telephones and booths; shower rooms, mail rooms; cotton mill premises and equipment; and stadiums; factories; rendering plants; and ramps; school buildings and equipment; buildings; and laundries.

**Domestic and Human Use-**

Fiber product protection (moth and mildew resistant) (indoor): Clothing; upholstery; ornaments (draperies and tapestries); ropes; and sail cloth.

Human articles and materials (indoor): Blankets, mattresses; clothing; face goggles; face masks, etc.; headgear (shower caps, helmets, headphones, etc.); wigs; brick, wood surfaces; leather surfaces; fabric surfaces; paper/paperboard surfaces.

Specialty uses (indoor): Military uses (quarantine uses (not specified), decontamination (specified); filters (air conditioning, air, and dermground cables; cuspidors and spittoons); equipment (carts, chutes, tables, etc.); products and equipment (mops, etc.); dry cleaning; and upholstery.

Bathrooms, toilet bowls, and related equipment: Bathroom premises, toilet bowls and urinals; portable and chemical toilets; vehicular bathroom air treatment; and diaper pails.

Refuse and solid waste (indoor): Refuse containers; refuse and solid waste transfer handling equipment, garbage dumps; compactors; garbage disposal units and