

US ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDES PROGRAMS
REGISTRATION DIVISION (TS-767)
WASHINGTON, DC 20460

EPA REGISTRATION NO.

270-261

DATE OF ISSUANCE

Aug 8 1991

TERM OF ISSUANCE
Conditional

NOTICE OF PESTICIDE: REGISTRATION
 REREGISTRATION
(Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended)

NAME OF PESTICIDE PRODUCT
Farnam Natural Bug Guard Mist 2.

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Farnam Companies, Inc.
301 W. Osborn
Phoenix, AZ 85013

NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A) provided that you:

1. Submit/cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) or 4 when the Agency requires all registrants of similar products to submit such data.

2. Make the labeling changes listed below before you release the product for shipment:

- a. Add the phrase "EPA Registration No. 270-261."
- b. After the statement, "In food handling facilities, cover or remove any food or food processing equipment during application", you must insert the following sentence:

"Food contact surfaces and equipment must be washed with an effective cleaning compound followed by a potable water rinse."

3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

BEST AVAILABLE COPY

ATTACHMENT IS APPL. CABLE

continued on next page

SIGNATURE OF APPROVING OFFICIAL

See page 2

DATE

August 8, 1991

continued from EPA Reg. Notice No. 270-261--

A stamped copy of the label is enclosed for your records.

Enclosures

Joseph M. Mountfort
Richard P. Mountfort
Product Manager (10)
Insecticide-Rodenticide Branch
Registration Division (H7505C)

BEST AVAILABLE COPY

FARNAM NATURAL BUG GUARD MIST A

A Stable Emulsion
For Dilution in Water

Multi-purpose insecticide concentrate containing pyrethrum which is extracted from flowers. Controls a wide variety of flying and crawling insects by automatic misting, spot spraying, fogging applications, or as a wet spray. Provides rapid kill of insects without leaving objectionable residues.

For use in kennels, barns, dairies, poultry houses, industrial installations, motels, restaurants, residences, and may be used on livestock, pets, and other sites listed.

This product is for use exclusively in Farnam or other insect control systems.

ACTIVE INGREDIENTS:

Pyrethrins	3.0%
*Piperonyl butoxide, technical	30.00%
**INERT INGREDIENTS:	67.00%
	100.00%

*Equivalent to 24.00% (butylcarbityl) (6-propiperonly) ether and 6.00% related compounds.

** Contains petroleum distillates.

ACCEPTED
With COMMENTS
In EPA Letter Dated
AUG 8 1991

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
270-261

KEEP OUT OF THE REACH OF CHILDREN

WARNING

SEE BACK OF LABEL FOR USE PRECAUTIONS

DIRECTIONS FOR USE

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

To prepare dilutions the concentrate should first be stirred or agitated well. Add the required amount of concentrate to water and blend thoroughly. This will produce a stable micro-emulsion.

For maximum effectiveness, a combination of localized surface application and space treatment is recommended.

The insecticidal components of this concentrate, pyrethrins and piperonyl butoxide, are classified as food additives and, when used as directed, allowable tolerance levels will not be exceeded.

INDOOR APPLICATION:

To control exposed stages of house flies, including fruit flies, mosquitoes, gnats, and small flying moths, dilute 1 part concentrate in 59 parts water. (2.1 ounces per gallon). Close doors and windows and shut off ventilation systems. Apply as a fog or fine mist, directing the spray toward the upper portions of the room and toward windows and other light sources which attract these insects. Thoroughly fill the area with mist using 1 to 2 ounces per 1000 cubic feet. Keep area closed for 10 minutes or more. Vacate after treatment and ventilate before reoccupying. Repeat treatment as needed.

For initial clean out of infestations of cockroaches, ants, spiders, silverfish, spider beetles, crickets, boxelder bugs, scorpions, and clover mites: Dilute 1 part concentrate in 14 parts water (8.5 fluid ounces per gallon). Apply as a coarse droplet surface spray using approximately 1 gallon to 750 square feet. Spray thoroughly all surfaces where these insects are usually found including walls, baseboards, moldings, doors, cabinets, shelves, sinks and pipes with special attention to cracks and crevices, niches, dark corners, drains and similar hiding places. Treat ant trails, nests and runs. When possible, spray insects directly.

To control Carpet Beetles: Spray edges of carpeting and under carpeting and rugs. Make localized application to floor and baseboards. Spray directly into cracks, closets and infested areas of shelving. Repeat treatment as needed.

To control Bedbugs: Spray mattresses lightly, particularly around tufts and seams. Take beds apart and spray in all joints. Treat baseboards, moldings and floors. Repeat treatment as needed.

To control Fleas and Brown Dog Ticks: Thoroughly spray infested areas, pet beds, resting quarters, nearby cracks and crevices, along and behind baseboards, molding, window and door frames and

localized areas of floor and floor coverings. Fresh bedding should be placed in animal quarters following treatment. To kill Fleas and Ticks on cats and dogs, and to obtain protection against reinfestation, dilute at 1 part concentration to 49 parts water (2.5 fluid ounces per 1 gallon) and wet the animal by dipping or spraying.

IN MILLS, ELEVATORS AND GRANARIES: For rapid initial kill of exposed or accessible stages of granary weevil, rice weevil, confused flour beetles, rust red flour beetle, cadelle, sawtoothed grain beetle, cheese mites and grain mites. Dilute at a rate of 1 part concentrate to 29 parts water (4.3 fluid ounces per gallon). Clean out any waste grain, dust, dirt or debris and destroy before spraying. Apply as a coarse droplet spray using approximately 1 gallon to 750 square feet of surface.

Infested stored products should be fumigated or treated by other effective methods using an approved product intended for this use.

In mills, elevators, and granaries, thoroughly spray floors, walls and other surfaces of bins, storage and handling areas with particular attention to cracks, crevices and similar protected locations. Treat unloading, handling and processing areas, and apply the insecticide to conveying, processing and handling equipment such as the inside of reel conveyors, purifier conveyors, sifters, roll housings and hoppers, pick up conveyors, etc. Spray thoroughly around the base of heavy machinery and equipment.

Thoroughly treat walls, floors, shelves and other exposed surfaces and lightly spray each layer of cartons or containers as stacked.

Sack surfaces of bagged grain can be sprayed lightly until slightly moist.

for protection in transit, treat truck beds, box cars, and ships' holds before loading.

Using a dilution of 1 part concentrate in 29 parts water (4.3 fluid ounces per gallon), apply at a rate of 1 gallon to 750 square feet of surface with particular attention to cracks, crevices and similar hiding places.

To control exposed accessible stages of Indian meal moth and Angoumois grain moth in stored grain: Dilute 1 part of concentrate of 14 parts of water (8.5 fluid ounces per gallon) and apply to the surface of the binned grain at a rate of 2 gallons per 1000 square feet). Apply at monthly intervals beginning with the first appearance of moths and continuing until early Fall. In case of sever infestation, break up webbing with rake before spraying and make a second application in two weeks.

ON LIVESTOCK: (Horses, Dairy and Beef Cattle, Poultry, Sheep, Hogs and others listed)

To control horn flies, house flies, mosquitoes and gnats, dilute at the rate of 1 part concentrate to 119 parts water (1 fluid ounce per gallon) and apply to wet the hair thoroughly with particular attention to the topline, underline, flanks, withers and other infested areas. Repeat treatment at intervals of 5 to 12 days for small insect populations or as needed when flies are emerging in large numbers.

To control stable flies, horse flies, and deer flies, dilute 1 part concentrate to 29 parts water (4.3 fluid ounces per gallon) and apply a quart per adult animal to wet the hair thoroughly with particular attention to the legs, flanks, barrel, topline and other body areas commonly attacked by these flies. Repeat treatment each week or as needed.

To control face flies, dilute 1 part concentrate to 29 parts water (4.3 fluid ounces per gallon). Use a spray which produces large wetting droplets. Apply to the face of the animal in the morning before releasing to pasture. Apply sufficiently to wet the face but not more than 1-1/2 ounces per animal. Repeat daily as needed.

For effective control of motile stages of (biting) yellow lice and (sucking) blue lice on cattle, horses, sheep, goats and hogs, dilute this concentrate at a rate of 1 part in 300 parts water. Spray to thoroughly wet the hair of the animal including the head and brush of the tail. Repeat treatment in 10 days to kill newly hatched lice.

To control poultry lice, using a dilution of 4.3 fluid ounces of concentrate per gallon of water, spray roosts, walls and nests or cages, thoroughly. This should be followed by spraying over the birds with a fine mist.

To control bedbugs and mites in poultry houses, dilute 1 part concentrate in 29 parts of water and spray crevices of roost poles, cracks in walls and in nests where the bedbugs and mites hide.

To control sheep "tick" or ked, dilute at the rate of 1 part of concentrate to 300 parts of water (0.4 fluid ounces per gallon) and thoroughly wet all portions of the body by dipping or by spraying with sufficient pressure and with a nozzle adjusted to give penetration of the wool. Treat at a rate sufficient to wet the animal.

To kill fleas and lice on livestock and pets, and to obtain protection against reinfestation, dilute at one to 29 in water and wet the animal by dipping or spraying. For best results against fleas and ticks on dogs, the kennels or animal quarters and bedding should also be treated.

To control spinose ear tick, dilute at the rate of one part concentrate to 74 parts water (1.7 fluid ounces per gallon) and apply by individual treatment, spraying or pouring 1 to 2 ounces

into each ear of large animals or a few drops into the ears of dogs.

IN KENNELS, PORCHES, PATIOS, BARNS, MILKING PARLORS, MILKROOMS, DAIRIES AND POULTRY HOUSES:

For use in Overhead Automatic Insect Control Systems

To control House Flies, Horse Flies, Deer Flies, Ants, Roaches, Flying Moths, Wasps, Hornets, Spiders, Fleas, Ticks, Gnats and Mosquitoes, depending on severity of infestation, treat with 0.2, 0.075, 0.067, or 0.050% pyrethrins by diluting with clean water as follows:

0.1%	1 part concentrate to 29 parts water
0.075%	1 part concentrate to 39 parts water
0.067%	1 part concentrate to 44 parts water
0.05%	1 part concentrate to 59 parts water

Automatic injector mixes 2 fluid ounces per gallon of water. Preset nozzles deliver 1.5 ounces per minute. Locate nozzles to cover a maximum of 1500 cubic feet. of space per nozzle. Set timer to operate 6 one minute or 12 30 second cycles per 24 hours for best results. For indoor application close windows and doors before spraying and keep closed for 10-15 minutes. Vacate treated areas and ventilate before reoccupying.

OUTDOORS:

ON GROWING CROPS: May be used on edible crops (outdoors or in greenhouses) up to and including day of harvest. Especially desirable as a clean-up or pre-harvest spray where other materials may not be used due to residue restrictions. When applied according to accepted use cautions and directions, this concentrate may be used in combination with other insecticides where resistant insects are a problem or as needed.

On the following crops to control the insects names, use 1.0 fluid ounce of concentrate per 1 gallon of water. Coverage of upper and lower leaf surfaces is essential for good control.

CROPS	INSECTS
Asparagus	Asparagus Beetle
Beans	Aphids, Leafhoppers, Whitefly, Mexican Bean Beetle, 12-Spotted Cucumber Beetle
Broccoli, Cabbage, Brussel Sprouts, Cauliflower	Aphids, Cabbage Loopers, Cross-Striped Cabbageworm, Diamondback Moth Larvae, Flea Beetle, Harlequin Bug, Imported Cabbageworm, Stink Bug

Celery	Green Peach Aphid, Cabbage Looper, Leaf Tier
Eggplants	Blister Beetle, Colorado Potato Beetle, Flea Beetle, Green Peach Aphid
Lettuce	Cabbage Looper, Green Peach Aphid, Diamondback Moth Larvae, Imported Cabbageworm
Mustard Greens, Kale Collards, Turnips	Imported Cabbageworm, Diamondback Caterpillar, Aphids, Cabbage Looper
Peppers	Green Peach Aphid
Potatoes	Aphids, Colorado Potatoes Beetle, Flea Beetle, Leafhopper
Radish	Aphids, Flea Beetle
Spinach	Aphids, Cabbage Looper, Webworm
Tomatoes	Green Peach Aphid, Colorado Potato Beetle, Stink Bug, Flea Beetle

To kill Gypsy Moth, Caterpillars and adults, Adult Japanese Beetles and Easter Forest Tent Caterpillars, Aphids, Leafhoppers, Whiteflies, Flea Beetles on contact, combine 1.0 fluid ounce of concentrate to 1 gallon of water. Apply to insure thorough coverage of upper and lower surfaces.

On trees and shrubs: Treat trees and shrubs as soon as insects emerge (usually late Spring). Treat leaves, branches and tree trunks evenly, making sure to penetrate dense foliage. Repeat application every 7 days or as necessary for control.

MOSQUITO CONTROL OUTDOORS:

To control adult mosquitos, using ground application, dilute 1 part concentrate in 4 parts of water (25.6 fluid ounces per gallon). Apply as a fine mist or fog. Treat shrubbery and vegetation where mosquitoes may rest. Shrubby and vegetation around stagnant pools, marshy areas, ponds and shore lines may be treated. Application of this product to any body of water is prohibited, when used for adult mosquito control. Repeat as necessary usually once or twice a week.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

STORAGE: Store in original container in a cool, dry place inaccessible to children and pets.

DISPOSAL: Do not reuse container. Wrap container in several layers of newspaper and discard in trash.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

Do not apply as a space spray while food processing is underway. In food handling facilities, cover or remove any food or food processing equipment during application. In the home, all food processing surfaces and utensils should be covered during treatment or thoroughly washed before use. Remove pets and cover fish aquariums before spraying.

Concentrate causes substantial but temporary eye injury. Do not get in eyes or on clothing. When handling concentrate, wear goggles or face shield (non-domestic uses) or safety glasses (domestic uses). Harmful if swallowed. 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.

STATEMENT OF PRACTICAL TREATMENT

If in eyes: Immediately flush eyes with copious amounts of cool water for 15 minutes. Get prompt medical attention.

If Swallowed: Promptly drink large quantity of milk, egg white, gelatin solution or, if these are not available, drink large quantities of water. Avoid Alcohol. Call a physician or Poison Control Center immediately. Do not induce vomiting unless under a physician's care. This product contains petroleum distillate. Vomiting may cause aspiration pneumonia.

If on Skin: Rinse affected area with plenty of water. Get medical

attention if irritation persists. Remove contaminated clothing and wash with soap and water before reusing.

If Inhaled: Remove victim to fresh air. Apply artificial respiration if indicated. Give nothing by mouth to an unconscious person. Get medical attention if indicated.

NOTE TO PHYSICIAN: Probably mucosal damage may contraindicate the use of gastric lavage.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not apply to lakes, streams, ponds, tidal marshes and estuaries. Do not contaminate water by cleaning of equipment or disposal of wastes.

PHYSICAL AND CHEMICAL HAZARDS

Do not use or store near heat or open flame.

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EPA EST. NO.:

Manufactured for:

FARNAM COMPANIES, INC.
P.O. BOX 12068
OMAHA, NEBRASKA 12068

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