

FEB 4 1986

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Dr. George E. Pipkin  
 Qualis Incorporated  
 4500 Park Avenue  
 Des Moines, IA 50321

Dear Dr. Pipkin:

**Subject: Dionne General Purpose Aqueous Insecticide**  
 EPA Registration No. 34797-29  
 Your Submission of November 8, 1985

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. A stamped copy is enclosed for your records.

Your request for addition to label claims: To kill lice and louse eggs, is acceptable. However, you will need to submit some efficacy data to support these claims.

Sincerely yours,

**Timothy A. Gardner**  
 Product Manager (17)  
 Insecticide-Rodenticide Branch  
 Registration Division (TS-767C)

Enclosure

87453:Nelson:G-4:KENCO:1/27/86:2/5/86:Kim:VO

CONCURRENCES

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DIONNE GENERAL PURPOSE AQUEOUS INSECTICIDE

A Concentrated Micro Emulsion  
- Clear - Stable - Leaves No Oily or Objectionable Residues

Effective, Fast Acting Insecticide.

For Use in Homes, Institutions, Restaurants.

Food Processing Plants, Dairies, Livestock and Outdoors for Mosquito Control.

Apply with Conventional Mechanical or Compressed Air Equipment.

ACTIVE INGREDIENTS:

Pyrethrins.....	0.1%
*Piperonyl Butoxide, Technical.....	1.0%
Petroleum Distillate.....	0.4%
INERT INGREDIENTS.....	98.5%
	<u>100.0%</u>

\*Equivalent to 0.8% (butylcarbityl) 6-propylpiperonyl) ether and 0.2% related compounds.

KEEP OUT OF REACH OF CHILDREN

CAUTION

See side panel for additional cautions.

DO NOT TRANSPORT OR STORE UNDER 32° F.

EPA Reg. No. 34797-

EPA EST. No. 34797-IA-03

NET CONTENTS:  
One Gallon (3.785 Liters)

Manufactured by:  
Qualis Inc.  
Des Moines, Iowa 50321

## DIRECTIONS FOR USE

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

## INDOOR APPLICATION

The use of this product in food processing establishments should be during the periods when the plant is not in operation. Food should be removed or covered during treatment. All food processing surfaces should be covered during treatment and thoroughly cleaned, with potable water, before using.

Vacate treated areas and ventilate before reoccupying.

For maximum effectiveness, a combination of spot surface treatment and fogging is recommended.

**SURFACE SPRAYING:** To control cockroaches, palmetto bugs, ants, silverfish, spiders, crickets, clover mites, cheese mites, granary weevils, rice weevils, confused flour beetles, rust red flour beetles, sawtoothed grain beetles, spider grain mites, and cadelles: Use a good sprayer adjusted to a coarse wet spray. Direct the spray into hiding places, cracks and crevices, under pallets, around containers of stored foods, around the base of machinery, behind shelves and drawers. For silverfish, spray bookcases. For ants, spray trails, nests and points of entry. If surface application only is to be used, spray floors and other surfaces applying at a rate of 1 gallon to 750 square feet of surface.

To control carpet beetles: Spray edges of carpeting and under carpeting and rugs. Make localized application to floor and baseboards. Spray directly into cracks, crevices 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, mouldings and floors. Repeat treatment as needed.

To control fleas and brown dog ticks: Thoroughly spray infested area, pet beds, resting quarters, nearby cracks and crevices, along and behind baseboards, mouldings, window and door frames and entire areas of floor and floor covering. Fresh bedding should be placed in animal quarters following treatment. Repeat treatment as needed.

To control clothes moths: Remove any infested articles from storage; brush thoroughly and air for several hours in sunlight, if possible. Apply spray liberally to empty chests, closets, bureaus and other storages directing the spray into cracks, joints and crevices. After airing, infested articles may be treated lightly keeping nozzle at least three feet from fabric to avoid staining.

To kill lice and louse eggs: Spray in an inconspicuous area to test for possible staining or discoloration. Inspect again after drying, then proceed to spray entire area to be treated. Spray from a distance of 8 to 10 inches. Treat only those garments and parts of bedding, including mattresses and furniture that cannot be either laundered or dry cleaned. Allow all treated articles to dry thoroughly before use.

**SPACE SPRAYING:** Close doors and windows and shut off ventilating systems. Apply with a good machine adjusted to deliver a fine mist or fog. For rapid control of house flies, fruit flies, gnats, mosquitoes, skipper flies, wasps, hornets, Angoumois grain moths, Mediterranean flour moths, Indian meal moths, and tobacco moths:

Direct spray at an upward angle distributing it uniformly throughout the entire area at a rate of 3-6 ounces per 1000 cubic feet of space.

FOGGING: To kill exposed or accessible stages of the above named crawling insects, use a rate of one gallon to 20,000 to 40,000 cubic feet of space. Contact insects directly whenever possible.

ON LIVESTOCK: To protect cattle and horses from horn flies, house flies, mosquitoes and gnats, apply a light mist sufficient to wet the surface of the hair. To control stable flies, horse flies and deer flies, apply at a rate of 2 ounces per adult cow or horse, sufficient to wet the hair thoroughly. Repeat treatment daily or at intervals necessary to give continued protection.

To control blood-sucking lice, apply to the infested areas of the animal, using a stiff brush to get the spray to the base of the hair. Repeat every 2 to 3 weeks if required.

ON PETS: Start spraying at the tail, moving the dispenser rapidly and making sure that the animal's entire body is covered, including the legs and underbody. While spraying, fluff the hair so that the spray will penetrate to the skin. Make sure spray wets thoroughly. Do not spray into eyes or face. Avoid contact with genitalia. Repeat as necessary.

#### OUTDOOR APPLICATION

ADULT MOSQUITO CONTROL: Apply as a fine mist to thoroughly treat the entire area. For best results, treat when the wind velocity does not exceed 5 miles per hour. Treat shrubbery or vegetation where mosquitoes may rest (low marshy places, stagnant pools or ponds and shore lines). Apply at a rate of 2.5 pints per acre (0.1 ounce per 1000 square feet).

Using truck-mounted conventional misting equipment such as Rotomist models 51C, 91 or 100 HT traveling at 5 m.p.h., to treat a 300 foot swath, calibrate equipment to deliver 0.9 gallons per minute.

#### STORAGE AND DISPOSAL

Store at temperatures above 32°F. Do not reuse empty container. Wrap container and put in trash collection.

#### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS & DOMESTIC ANIMALS

##### CAUTION

Harmful if swallowed or absorbed through skin. Avoid breathing vapors or spray mist. Avoid contact with skin and eyes. In case of contact, immediately flush eyes or skin with plenty of water. Obtain medical attention if irritation persists.

Do not apply directly to food. In commercial food handling facilities, cover or remove any food and food processing equipment during application. Do not apply while food processing is under way. After space spraying in plants, bakeries, and other food processing

plants, wash with potable water all equipment, benches, shelving, etc., where exposed food will be handled. In the home, all food processing surfaces and utensils should be covered during treatment or thoroughly washed before use.

Remove pets and birds, and cover fish aquariums before spraying.