

550-194

8/21/2000

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U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (H7505C)  
401 "M" St., S.W.  
Washington, D.C. 20460

EPA Reg. Number:  
550-194

Date of Issuance:  
AUG 21 2000

Term of Issuance: Conditional

NOTICE OF PESTICIDE:

Registration  
 Reregistration

Name of Pesticide Product:

Kontrol 4-4 For Mosquitoes,  
Flies and Gnats

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Van Waters & Rodgers, Inc.  
Box 34325  
Seattle, WA 98124-1325

Note: Changes in labeling 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 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.

Registration is in no way to be construed as an endorsement or recommendation of this product by the 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 sec. 3(c)(7)(A), provided you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Make the following label changes:
  - a. Revise the EPA Registration Number to read, "EPA Reg. No. 550-194".
  - b. Under ENVIRONMENTAL HAZARDS, change the last sentence to read: "This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeks while bees are actively visiting the treatment area".
  - c. Under storage and disposal section, add a section heading entitled, "Storage and Disposal".

Signature of Approving Official:

*George T. LaRocca*  
George T. LaRocca, Product Manager 13

Date:

AUG 21 2000

d. Under STORAGE AND DISPOSAL, add: "CONTAINER DISPOSAL: (metal) 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. (Plastic) Triple rinse or equivalent. Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill or incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

e. EPA issued a PR Notice revising first aid statements (PRN 2000-3). The following are the revised statements required for products placed in category III and above. This change is required for "IF IN EYES" but it is optional given the Toxicity Category 4 rating for the rest of the information:

IF SWALLOWED: Add "... immediately for treatment advice" to the end of the first sentence. Follow with: "Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor". IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. **IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a poison control center for treatment advice.** IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice."

Also, add the following statement near the first aid statements: "Have the product container or label with you when calling a poison control center or doctor or going for treatment."

EPA recommends that these statements be boxed and bulleted to present the information in a clear, easy-to-read fashion.

f. Under CONDITIONS AND RATES...., please explain why some of the rates listed either exceed or are listed as lower than the corresponding rates listed in the me-too product (EPA Reg. No. 8329-64). If these rates are correct, change "18.0 ounces per minute" to 16.3 ounces per minute" under COLD FOG APPLICATION to be consistent with the rate in the table.

g. The water buffer restriction and prohibitions regarding drift on cropland, pastureland, etc. applies to all applications. Thus place these statements under a separate heading such as "NOTE".

3. Submit two copies of the revised final printed label for the record.

If these conditions are not complied with, the registration will be subject to

cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

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

Sincerely,

George T. LaRocca  
Product Manager (13)  
Insecticide Branch  
Registration Division (7505C)

Enclosure

4 8 5

# KONTROL 4 - 4

## For Mosquitoes, Flies and Gnats

An All Temperature, Quick Knockdown, Low Odor, Non-Corrosive Synergized Synthetic Pyrethroid for the Control of Adult Mosquitoes, in Residential, Recreational, and Other Areas. Also for Use Against Biting and Non-Biting Midge and Black Flies

For Application only by Public Health Officials and Trained Personnel of Mosquito Abatement Districts and Other Mosquito Control Programs

### ACTIVE INGREDIENTS:

**Permethrin (3-phenoxyphenyl)methyl(+/-)Cis/trans 3-(2,2-dichloroethenyl) 2,2-Dimethyl cyclopropanecarboxylate.....4.0%**

**Piperonyl Butoxide Technical Equivalent to 80% (buylcarbityl)(6-propylpiperonyl) ether and 20% related compounds.....4.0%**

**INERT INGREDIENTS:.....92.0%**

Contains a Petroleum Distillate Solvent

**TOTAL.....100.0%**

Contains 0.3344 pounds of Permethrin and 0.3344 pounds of Piperonyl Butoxide per gallon.

### KEEP OUT OF REACH OF CHILDREN

### CAUTION

**"PRECAUCION AL USUARIO:** Si usted no lee ingles, no use este producto hasta que la etiqueta haya sido explicado ampliamente"

### STATEMENT OF PRACTICAL TREATMENT

**IF SWALLOWED:** Call Physician or Poison Control Center Immediately. Do not induce vomiting because of aspiration hazard. **IF INHALED:** Remove victim to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. Get medical attention. **IF IN EYES:** Flush eyes with plenty of water. Get medical attention if irritation persists. **IF ON SKIN:** Remove contaminated clothing and wash affected area with soap and water. Get medical attention if irritation persists. **NOTE TO PHYSICIAN:** May cause an aspiration pneumonia hazard. Gastric lavage is indicated if material was taken internally. Vomiting may cause aspiration pneumonia.

### PRECAUTIONARY STATEMENTS

### HAZARDS TO DOMESTIC ANIMALS AND HUMANS

Caution: Causes moderate eye irritation. Avoid contact with eyes or clothing. Wear long sleeved shirt and long pants socks and shoes. Wash thoroughly with soap and water after handling.

### ENVIRONMENTAL HAZARDS

This product is extremely toxic to fish and aquatic invertebrates. 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 when weather conditions favor drift from treated areas. Drift and runoff from treated sites may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment wash waters. This product is highly toxic to crops or bees while bees are actively visiting the area.

### PHYSICAL AND CHEMICAL HAZARDS

Do not use, pour, spill or store near heat or open flame.

### SEE BELOW PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA REGISTRATION No. 550 (to be assigned)  
EPA Establishment No.

NET CONTENTS **ACCEPTED** Gallons  
**with COMMENTS**  
**In EPA Letter Dated:**  
**AUG 21 2000**

### DIRECTIONS FOR USE

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

Do not contaminate, water food or feed by storage or disposal. **STORAGE:** Store product in its original labeled container in a cool, dry locked place designated for such insecticides and out of reach of children. Avoid exposure to water. In case of spillage, soak up with absorbent material such as sawdust, or fullers' earth, sweep up and place in a sealed container and dispose of as follows. **PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Under the Federal Insecticide, Fungicide, and Rodenticide Act, registered under EPA Reg. No. 550-194

## KONTROL 4- 4 THERMAL AEROSOL FOGGING

**TRUCK MOUNTED:** Apply diluted or undiluted with suitable Thermal Fogging equipment. Do not exceed the maximum a.i./acre rates. May be applied at speeds of 5 to 20 mph, treating a 300 ft. swath. To reduce oil requirement and sludge buildup in equipment, use a suitable mineral oil of 60 – 100 second viscosity. For use with hand foggers, use the same a.i. acre rates and a swath width of 50 ft with a walking speed of 2 mph. Do not wet foliage since the oil base formulation may be phytotoxic. Do not fog when wind conditions exceed 10 miles per hour. Use well maintained and properly calibrated fogger. Fog Downwind.

### Suggested Dilution Rates to Achieve 0.00175% a.i. per Acre

			HAND HELD THERMAL FOGGERS 50 FT SWATH AT 2 MPH 0.00318% A.I. PER ACRE	
MACHINE OUTPUT GAL/HOUR	DILUTION RATIO WITH FOG OIL 5MPH	DILUTION RATIO WITH FOG OIL 10 MPH	MACHINE OUTPUT	DILUTION RATE
10 gal/hr	1 : 9.5	1 : 4.25	0.25 gal/hr	1 : 1
20 gal/hr	1 : 20	1 : 9.5	2.0 gal/hr	1 : 16.5
30 gal/hr	1 : 30	1 : 14.5	5.0 gal/hr	1 : 42.5
			8.0 gal/hr	1 : 68.5

### NON-THERMAL AEROSOL (COLD FOG)

**KONTROL 4-4** is recommended for application an ultra low volume (ULV) non-thermal aerosol (cold fog) to control adult mosquitoes, flies and gnats in residential and recreational areas where these insects are a problem, such as, but not limited to parks, campsites, woodlands, athletic fields, golf courses, residential areas, municipalities, gardens, playgrounds, recreational areas and overgrown waste areas. Do not apply this product within 100 feet (30 meters) of fish bearing areas. Do not allow spray treatment to drift onto pastureland, cropland, poultry ranges or water supplies. For best results, treat when insects are most active and conditions are conducive to keeping the fog close to the ground. Repeat treatment as needed.

**KONTROL 4 – 4 ULV Non-Thermal Aerosol (cold fog) Application:** To control mosquitoes, midges and blackflies, apply **KONTROL 4 – 4** using any standard ULV ground applicator capable of producing a non-thermal aerosol spray with droplets ranging in size from 5 to 30 micron in diameter and mass medium diameter (MMD) up to 20 microns. Apply the product at a flow rate of 4.1 to 18.0 ounces per minute at an average vehicle speed of 10 mph. If different vehicle speed is used, adjust the rate accordingly. These rates are equivalent to 0.00175 to 0.007 pounds of permethrin and the same amount of 0.00175 to 0.007 pounds of synergist Piperonyl Butoxide per acre. Vary flow rates accordingly to vegetation density and mosquito population. Use higher flow rates in heavy vegetation or when populations are high. An accurate flow control system must be used to ensure proper flow rate.

**KONTROL 4 – 4** may also be applied by diluting with a suitable solvent such as mineral oil and applying so as not to exceed the maximum pounds of active ingredient per acre as shown in the first column of the ULV table shown below. That table represents some suggested application rates for ground ULV applications. If an alternative dilution rate is used, adjust the flow rate accordingly.

### Conditions and Rates to use KONTROL 4 – 4 Undiluted for Mosquito Control

PERMETHRIN/PBO LBS. A.I./ACRE	APPLICATION RATES/FLUID OUNCES TO USE PER MINUTE			
	5 mph	10 mph	15 mph	20 mph
0.007/0.007	9.1	16.3	24.5	32.6
0.0035/0.0035	4.0	9.1	12.2	16.2
0.00174/0.00175	2.0	4.1	6.1	9.1

### AS A BARRIER SPRAY USING A BACKPACK MISTER TYPE UNIT

For use in a non-thermal, portable, backpack equipment, apply **KONTROL 4 - 4** with a motorized backpack mist blower adjusted to deliver particles of 50 – 100 Mass Medium Diameter. Use undiluted or diluted to achieve an application of 0.00175 / 0.00175 % a.i./acre. Use a 50 ft (15.2m) swath while walking at a speed of 2 mph (3.2 kph). If using a different speed, swath or dilution, do not exceed the maximum a.i./acre.

### AERIAL APPLICATION

The use of specially equipped aircraft capable of applying ULTRA LOW VOLUMES of at or above recommended rates may be considered necessary when conducted at the discretion of the Public Health Officials, Mosquito Abatement districts or other trained personnel engaged in Outdoor Mosquito and Biting Fly Programs when these insects threaten or become a public health hazard. Aerial applications should be by suitable aerial ULV equipment capable of producing droplets with an MMD of 50 or less, with no more than 2.5% exceeding 100 micron. Flow rate and swath width should be set so as to not exceed 3.0 fluid ounces (0.007% a.i.). **PROHIBITION FOR AERIAL USE:** Not for aerial application in Florida unless specifically authorized by the Bureau of Entomology, Florida Department of Agriculture and Consumer Services.

**NOTICE:** Buyer and user assume all risks and liability of use, storage and/or handling of this product not in accordance with the terms of this label (**KONTROL 4 – 4 03/2000**).

**BUYER GUARANTEE LIMITED TO LABEL CLAIMS**