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Penick-Bio Uclaf Corporation
1050 Wall Street West
P.O. Box 9059
Lyndhurst, NJ 07071

Attention: Patrick Callahan

Gentlemen:

Subject: Scourge Insecticide with SBP-1382/Piperonyl Butoxide 18%
+ 54% MF Formula II
EPA Registration No. 432-667
Your Letter Dated April 7, 1986

The amendment referred to above, submitted in connection with registration under section 3(c)(7)(A) of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) is acceptable provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Submit five (5) copies of your final printed labeling before you release the product for shipment.

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.

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

Sincerely yours,



Arturo Castillo
Acting Product Manager (17)
Insecticide-Rodenticide Branch
Registration Division (TS-767C)

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Enclosure

86847:Schroeder:G-3:KENCO:4/22/86:5/1/86:TAR:LF

SYMBOL ▶								
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SOURCE INSECTICIDE
with SBP-1382®/PIPERONYL BUTOXIDE 18% + 54%
FORMULA II

A SYNTHETIC PYRETHROID FOR EFFECTIVE ADULT MOSQUITO

(IN RESISTANT SPECIES), MIDGE (BITING AND NON-BITING), AND BLACK FLY

FOR AERIAL OR GROUND APPLICATION

To be applied by Mosquito Abatement Districts, Public Health Officials and other trained personnel in Mosquito Abatement Districts.
 Contains 1.51 lb/gal (181 g/L) of SBP-1382 and 4.51 lb/gal (540 g/L) of Piperonyl Butoxide

ACTIVE INGREDIENTS:

- *† Resmethrin [5-(phenylmethyl)-3-furanyl]methyl 2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylate 18.00%w/w
- ** Piperonyl Butoxide Technical 54.00%

INERT INGREDIENTS:

29.00%
 100.00%w/w

Contains Petroleum Distillates

*Cis/trans isomers ratio max. 30% (±)cis and min. 70% (±)trans.
 †U.S. Patent Nos. 3,485,007 and 3,542,928.
 •Penick's SBP-1382® brand of resmethrin insecticide.
 Penick Corp., 1050 Wall Street West, Lyndhurst, N.J. 07071
 **Equivalent to 43.2% (butylcarbityl) (6-propylpiperonyl) ether and 10.8% related compounds.

PRECAUCION AL CONSUMIDOR: Si usted no lee Ingles, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

(TO THE USER: If you cannot read English, do not use this product until the label has been fully explained to you.)

KEEP OUT OF REACH OF CHILDREN
CAUTION

SEE SIDE PANEL FOR ADDITIONAL
 PRECAUTIONARY STATEMENTS AND
 STATEMENT OF PRACTICAL TREATMENT

EPA Reg. No. 432-667

EPA Est. 432-NJ-1

NET CONTENTS: gal (L)

LOT NO.

PENICK-BIO UCLAF CORPORATION



PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION

Harmful if swallowed. Avoid breathing vapor or a mist. Wash thoroughly after handling.

STATEMENT OF PRACTICAL TREATMENT

If swallowed: Call a physician or Poison Control Center. Do not induce vomiting. If in eyes: Flush with plenty of water. Get medical attention. If on skin: Wash with soap and plenty of water. Get medical attention.

ENVIRONMENTAL PRECAUTIONS

This product is toxic to fish and birds. Do not apply when weather conditions favor drift from areas treated. Do not use on equipment or disposal of wastes.

PHYSICAL AND CHEMICAL PRECAUTIONS

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

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. **STORAGE:** For Containers One Gallon and Under: Store in original container in a cool, dry, well-ventilated storage area. **PESTICIDE DISPOSAL:** For Containers Over 1 Gallon: This product may be disposed of on site or at an approved waste disposal facility. **CONTAINER DISPOSAL:** For containers 1 gallon and under: Triple rinse, then recycle where available. For larger containers: Triple rinse, then offer for recycling or reconditioning, or puncture and crush for disposal in accordance with procedures approved by State and Local authorities.

READ ENTIRE LABEL

For use by only professional or certified applicators, for the reduction in annoyance from mosquito abatement program.

WARRANTY STATEMENT

Our recommendations for use of this product are based on current knowledge and experience. No implied, is made as to the effects of such or the results of use with directions or established safe practice. Penick-Bio Uclaf Corporation does not warrant, including injury or damage, resulting from its use of this product.

DIRECTIONS FOR USE

SCOURGE® Insecticide with SBP-1382®/PIPERONYL BUTOXIDE 18%+54% MF FORMULA II

DIRECTIONS FOR USE (Continued)

EPA Reg.No. 432-667

This product is to be used for control of adult mosquitoes ~~including ORGANO-
PHOSPHATE RESISTANT SPECIES~~, midges (biting & non-biting) and blackflies
by *SPECIALLY DESIGNED aircraft capable of
applying ULTRA LOW VOLUME OF FINISHED SPRAY
FORMULATION*

OR by ground application with nonthermal or mechanical spray equipment that can deliver spray particles within the aerosol size range and at specified dosage levels.

NOTICE: This concentrate cannot be diluted in water. Mix well before using. Avoid storing excess formulation in spray equipment tank beyond the period needed for application.

ULTRA LOW VOLUME APPLICATIONS

For use in nonthermal ULV portable backpack equipment similar to the Hudson B.P. Mix 9.75 fl oz (288 ml) of this product with 1 gal (3.79 L) of refined soybean oil, light mineral oil of 54 second viscosity or other suitable solvent. Adjust equipment to deliver fog particles of 18-50 microns mass median diameter. Apply at the rate of 4.25-8.50 fl oz of finished formulation per acre (311-621 ml/ha) as a 50 ft (15.2 m) swath while walking at a speed of 2 mph (3.2 kph). This is equivalent to 0.0035-0.0070 lb ai SBP-1382/A (3.92-7.85 gm/ha) plus 0.0105-0.0210 lb ai piperonyl butoxide tech./A (11.77-23.54 gm/ha). Where dense vegetation is present, the higher rate is recommended.

For truck mounted nonthermal ULV equipment similar to LECO HD or MICRO-GEN or WHISPERMIST-XL, mix this product with refined soybean oil, light mineral oil of 54 second viscosity or other suitable solvent. Adjust equipment to deliver fog particles of 8-20 microns mass median diameter. Consult the following chart for dilution and application rates.

Treatment lb ai/A of Scourge Wanted SBP-1382/PBO	Fl oz/A of Finished Spray to be Applied	Dilution by Volume		Application Rate-Fl oz/Min	
		Scourge	Solvent	5 mph	10 mph
0.001/0.003	0.5(15 ml)	1 part	4.5 parts	1.5(44.4 ml)	3.0(88.7 ml)
	1.0(30 ml)	1 part	10 parts	3.0(88.7 ml)	6.0(177.4 ml)
	3.0(90 ml)	1 part	34 parts	9.0(266.2 ml)	18.0(532.3 ml)
0.00175/0.00525	0.5(15 ml)	1 part	2.37 parts	1.5(44.4 ml)	3.0(88.7 ml)
	1.0(30 ml)	1 part	5.74 parts	3.0(88.7 ml)	6.0(177.4 ml)
	3.0(90 ml)	1 part	19.2 parts	9.0(266.2 ml)	18.0(532.3 ml)
0.0035/0.0105	0.5(15 ml)	1 part	0.68 parts	1.5(44.4 ml)	3.0(88.7 ml)
	1.0(30 ml)	1 part	2.33 parts	3.0(88.7 ml)	6.0(177.4 ml)
	3.0(90 ml)	1 part	9 parts	9.0(266.2 ml)	18.0(532.3 ml)
0.007/0.021	0.5(15 ml)	1 part	0.68 parts	1.5(44.4 ml)	3.0(88.7 ml)
	1.0(30 ml)	1 part	2.33 parts	3.0(88.7 ml)	6.0(177.4 ml)
	3.0(90 ml)	1 part	9 parts	9.0(266.2 ml)	18.0(532.3 ml)

Where dense vegetation is present, the use of the higher rates and/or slower speed is recommended.

NOTE: One gal (3.79 L) of product treats up to 1510 A (611 ha) for adult mosquito control.

Fog only when air currents are 2-8 mph (3.2-12.9 kph). It is preferable to fog during early morning and evening when there is less breeze and convection currents are minimal. Arrange to apply the fog in the direction with breeze to obtain maximum swath length and better distribution. Direct spray head of equipment in a manner to insure even distribution of the fog throughout the area to be treated. Avoid prolonged inhalation of fog.

Guide the direction of the equipment so that the discharge nozzle is maintained at a distance of more than 8 feet (2.44 m) from ornamental plants and 15 feet (4.57 m) or more from painted objects. Temperature fluctuations will require periodic adjustment of equipment to deliver the desired flow rate at the specified speed of travel. The flow rate must be maintained to insure the distribution of the proper usage of finished formulation.

Spray parks, campsites, woodlands, athletic fields, golf courses, swamps, tidal marshes, residential areas and municipalities around the outside of apartment buildings, restaurants, stores and warehouses. Do not spray on cropland, feed or foodstuffs. Avoid direct application

DIRECTIONS FOR STABLE FLY, HORSE FLY, DEER FLY CONTROL:

Treat shrubbery and vegetation where stable flies 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.

For control of adult flies in residential and recreational areas, apply this product undiluted at a rate of 36 fl oz/hr (1.065 L/hr) by use of a suitable ULV generator traveling at 5 mph (8 kph) or at a rate of 72 fl oz/hr (2.129 L/hr) while traveling at 10 mph (16 kph). When spraying, apply across wind direction approximately 300 ft (91.4 m) apart. Apply when winds range from 1-10 mph (1.6-16.0 kph). Repeat for effective control.

RESISTANT SPECIES), MIDGES (BITING AND NON-BITING) AND BLACK FLIES.

Aerial application should be made preferably in the early morning or evening.

It is not recommended to make application when wind speeds exceed 10 mph (16 kph). Repeat applications should be made as necessary. Apply preferably when temperatures exceed 50°F (10°C). May be used as a mosquito adulticide in recreational and residential areas, and in municipalities, around the outside of apartment buildings, golf courses, athletic fields, parks, campsites, woodlands, swamps, tidal marshes, and overgrown waste areas.

Do not spray on cropland, feed or foodstuffs. Avoid direct application over lakes, ponds and streams.

MIXING INSTRUCTIONS FOR PRODUCT IN AIRCRAFT USAGE

This product is used diluted in mineral oil of 54 second viscosity, refined soybean oil or other suitable solvent.

Fl oz/A of Finished Spray to be Applied	lb a/A Wanted SBP-1382/PBO	Volumetric Dilution Needed	
		Product	Solvent
0.5 (15 ml)	0.001/0.003	1 part	4.5 parts
	0.00175/0.00525	1 part	2.37 parts
	0.0035/0.0105	1 part	0.68 parts
	0.007/0.021 - Apply as is 0.6 fl oz (17.7 ml)/acre		
1.0 (30 ml)	0.001/0.003	1 part	10 parts
	0.00175/0.00525	1 part	5.74 parts
	0.0035/0.0105	1 part	2.33 parts
	0.007/0.021	1 part	0.68 parts
3.0 (90 ml)	0.001/0.003	1 part	34 parts
	0.00175/0.00525	1 part	19.2 parts
	0.0035/0.0105	1 part	9 parts
	0.007/0.021	1 part	4 parts

USE OF FIXED WING AIRCRAFT OR HELICOPTER

Thoroughly mix 25.5 fl oz (755 ml) of the product with 102.5 fl oz (3030 ml) of light mineral oil of 54 second viscosity, refined soybean oil or other suitable solvent.

For a treatment rate of 0.007 lb a/A (7.85 gm/ha), SBP-1382 plus 0.021 lb a/A (23.55 gm/ha) piperonyl butoxide tech., apply at a rate of 3 fl oz/A (219 ml/ha).

For a treatment rate of 0.0035 lb a/A (3.93 gm/ha), SBP-1382 plus 0.0105 lb a/A (11.77 gm/ha) piperonyl butoxide tech., apply at a rate of 1.1 fl oz/A (109.5 ml/ha).