



RESTRICTED USE CLASSIFICATION
 Due to Acute Fish Toxicity
 For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicators Certification.

SCOURGE® INSECTICIDE

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

Specimen Label

- * A SYNTHETIC PYRETHROID FOR EFFECTIVE ADULT MOSQUITO (INCLUDING ORGANOPHOSPHATE RESISTANT SPECIES), MIDGE (BITING AND NON-BITING), AND BLACKFLY CONTROL
- * FOR AERIAL OR GROUND APPLICATION
- * TO BE APPLIED BY MOSQUITO ABATEMENT DISTRICTS, PUBLIC HEALTH OFFICIALS AND OTHER TRAINED PERSONNEL IN MOSQUITO CONTROL PROGRAMS.
- * 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	18.00%
**Piperonyl Butoxide Technical	54.00%
OTHER INGREDIENTS:†	<u>28.00%</u>
	100.00%

†Contains Petroleum Distillates

*Cis/trans isomers ratio max. 30% (±)cis and min. 70% (±)trans.

**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.)

EPA REG. NO. 432-667

EPA EST. NO.

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID

IF SWALLOWED: Call a physician or poison control center. Do not induce vomiting. Drink promptly a large quantity of milk, egg whites, or gelatin solution or if these are not available, drink large quantities of water. Avoid alcohol.

IF ON SKIN: Wash with plenty of soap and water. Get medical attention, if symptoms persist.

IF IN EYES: Flush eyes with plenty of water. Call a physician if irritation persists.

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

In case of Medical emergencies or health and safety inquiries or in case of fire, leaking or damaged containers, information may be obtained by calling 1-800-334-7577.

For product information Call Toll-Free: 1-800-331-2867.

See Side Panel For Additional
 Precautionary Statements

NET CONTENTS:

BAYER ENVIRONMENTAL SCIENCE
 A Business Group of Bayer CropScience LP
 95 Chestnut Ridge Road • Montvale, NJ 07645

PRECAUTIONARY STATEMENTS

Hazards To Humans & Domestic Animals

CAUTION

Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Do not get on skin or clothing. Avoid contact with eyes. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

Environmental Hazards

This pesticide is highly toxic to fish. For terrestrial uses, do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff from treated sites may be hazardous to fish in adjacent waters. Consult your State's Fish and Wildlife Agency before treating such waters. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters.

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: Store product in original container in a locked storage area.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and Local authorities.

READ ENTIRE LABEL FOR DIRECTIONS

For use only by certified applicators or under the supervision of such applicators, for the reduction in annoyance from adult mosquito infestations and as a part of a mosquito abatement program.

IN THE STATE OF CALIFORNIA: For use only by local districts or other public agencies which have entered into and operate under a cooperative agreement with the Department of Public Health pursuant to Section 2426 of the Health and Safety Code.

This product is to be used for control of adult mosquitoes, (including organophosphate 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 or diluent. 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 product with refined soybean oil, light mineral oil of 54 second viscosity or other suitable solvent or diluent. Adjust equipment to deliver fog particles of 8-20 microns mass median diameter. Consult the following chart for dilution and application rates.

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.

For best results, fog 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.

Where practical, guide the direction of the equipment so that the discharge nozzle is generally maintained at a distance of more than 6 feet (1.83 m) from ornamental plants and 5-15 feet (1.5-4.5 m) or more from painted objects. Temperature fluctuations will require periodical 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 dosage 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 over lakes, ponds and streams.

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

Treat shrubbery and vegetation where above 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.

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 (15ml)	1 part	4.5 parts	1.5 (44.4ml)	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 (90ml)	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	0.6 (18 ml)			1.8 (53.2 ml)	3.6 (106.5 ml)
	1.0 (30 ml)	1 part	0.68 parts	3.0 (88.7 ml)	6.0 (177.4 ml)
3.0 (90 ml)	1 part	4 parts	-	9.0 (266.2 ml)	18.0 (532.3 ml)

DIRECTIONS FOR USE OF AIRCRAFT

This product is used in specially designed aircraft capable of applying ultra low volume of finished spray formulation for control of adult mosquitoes (including organophosphate resistant species), midges (biting and non-biting) and blackflies.

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.

USE OF FIXED WING AIRCRAFT OR HELICOPTERS

Thoroughly mix 25.5 fl oz (755 ml) of this 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 ai/A (7.85 gm/ha) SBP-1382 plus 0.021 lb ai/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 ai/A (3.93 gm/ha) SBP-1382 plus 0.0105 lb ai/A (11.77 gm/ha) piperonyl butoxide tech., apply at a rate of 1.5 fl oz/A (109.5 ml/ha).

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 ai/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 part
	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

IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following conditions, disclaimer of warranties and limitations of liability.

CONDITIONS: The directions for use of this product are believed to be adequate and should be followed carefully. However, because of manner of use and other factors beyond Bayer Environmental Science's control, it is impossible for Bayer Environmental Science to eliminate all risks associated with the use of this product. As a result, crop injury or Ineffectiveness is always possible. All such risks shall be assumed by the user or buyer.

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