

08 JUL 1992

Ms. Christina M. Lawes  
Roussel Bio Corporation  
170 Beaver Brook Rd.  
Lincoln Park, NJ 07035

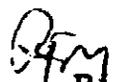
Dear Ms. Lawes:

Subject: Revised Labeling  
SBP-1382 Insecticide Emulsifiable Concentrate 26% Formula I  
EPA Reg. NO. 432-605  
Resubmission: JUNE 18.1992

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.

As new labels are prepared, delete the reference to BOATS from the front label panel. It is understood that this approved label replaces any previously accepted under this registration.

Sincerely,



Richard F. Mountfort  
Product Manager 10  
Insecticide & Rodenticide Branch  
Registration Division (H7505C)

# SBP-1382® INSECTICIDE EMULSIFIABLE CONCENTRATE FORMULA I

Contains 2lb/gal (240 g/L) of SBP-1382

Authorized by USDA for use in edible product areas of official establishments operating under the Meat, Poultry, Shell Egg Grading and Egg Products Inspection Programs.

**ACTIVE INGREDIENTS:**

\*Resmethrin[5-(phenylmethyl)-3-furanyl]methoxydimethyl 26.00%w/w  
3-(2-methyl-1-propenyl)cyclopropanecarboxylate

**INERT INGREDIENTS:**

74.00%  
100.00%w/w

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

•Roussel Bio's SBP-1382® brand of resmethrin insecticide.

Roussel Bio Corp., 400 Sylvan Avenue, Englewood Cliffs, N.J. 07632

†Contains Xylene range aromatic solvent.

**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.

A SYNTHETIC PYRETHROID FOR CONTROLLING THE FOLLOWING FLYING AND CRAWLING INSECTS IN AND AROUND HOUSEHOLDS, GREENHOUSES, BUILDINGS, VEHICLES, BOATS, KENNELS AND STABLES.

**HOUSEHOLD PESTS**

- house flies
- gnats
- flying moths (millers)
- fruit flies
- deer flies
- stable flies
- black flies
- wasps
- hornets
- yellow jackets
- bees
- cockroaches
- bed bugs
- lice
- flies
- ticks
- ants
- fire ants
- crickets
- grasshoppers
- silverfish (firebrats)
- scorpions
- earwigs
- spiders
- grain insects
- sowbugs (pillbugs)
- centipedes
- millipedes

**PLANT PESTS**

- aphids
- fungus gnats
- gypsy moths
- tent caterpillars
- Japanese beetles
- leafhoppers
- plant bugs
- spittlebugs
- thrips
- tussock moths
- citrus blackflies
- cutworms
- fly beetles
- oakworms
- cicada
- whitflies
- lacebugs
- leafbeetles
- mimosa webworms
- spider mites
- scales
- spruce budworms
- sawflies
- weevils
- rose slugs
- armyworms
- inchworms
- elm spanworms
- cankerworms (fall & spring)

**PRECAUTIONARY STATEMENT  
HAZARDS TO HUMANS & DOMESTIC ANIMALS  
WARNING**

Causes substantial but temporary eye injury. Do not get in eyes without goggles or safety glasses. Harmful if swallowed or absorbed through skin. Wash with soap and water after handling. Remove contaminated clothing and shoes. Do not apply directly to food or feedstuffs. In commercial food handling operations, do not apply directly to any food and food processing equipment during application. Do not use in areas where food is being prepared or where food is being stored. If application is underway, after space spraying in bakeries and other food processing areas, remove equipment, benches, shelving, etc. where exposed food will be stored. Wash with effective cleaning compound and rinse with potable water. In commercial food handling operations, surfaces and utensils should be covered during treatment, or treated areas should be removed. Remove pets, birds and cover fish aquariums before spraying.

**STATEMENT OF PRACTICAL TREATMENT**

**IF SWALLOWED:** Call a physician or Poison Control Center. Do not induce vomiting. The product contains aromatic petroleum solvent. Aspiration may result. **IF IN EYES OR ON SKIN:** Flush with plenty of water. Get medical attention.

**ENVIRONMENTAL HAZARDS**

This pesticide is highly toxic to fish. Do not apply directly to water bodies (streams, ditches, marches, and potholes). Drift and runoff from treated sites may contaminate adjacent waters. Do not contaminate water when disposing of this pesticide.

**DO NOT USE OR STORE NEAR HEAT OR OPEN FLAME.** Flash point: 100°F. Do not apply this product in conduits, motor housings, junction boxes, or electrical equipment because of possible shock hazards. Do not use on surfaces that can be harmed or stained by water.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with the directions on the label.

**STORAGE & DISPOSAL**

Do not contaminate water, food or feed by storage or disposal. **STORAGE:** Do not store at temperatures below 40°F (4.5°C). If stored at temperatures below 40°F (4.5°C), there may be precipitation. If precipitation is evident, warm to 80°F (26.5°C) and thoroughly mix before using. **For Containers One Gallon and Under:** Store product in original container.

**PESTICIDE DISPOSAL:** For Containers Over One Gallon: Pesticide disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. It cannot be disposed of by use according to label instructions. Contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** For Containers 1 Gallon and Under: Do not reuse. Wrap container and put in trash. For Containers Over 1 Gallon: Triple rinse (or equivalent). Then recycle, or puncture and dispose of in a sanitary landfill, or by other means approved by State and Local authorities.

**KEEP OUT OF REACH OF CHILDREN  
WARNING**  
SEE SIDE PANEL FOR ADDITIONAL  
PRECAUTIONARY STATEMENTS AND STATEMENT  
OF PRACTICAL TREATMENT

EPA Est.: See Lot No. For Correlation

EPA Reg No. 432-605

A 42545-MO-1

10370-TX: 1

P 655-GA-1

NET CONTENTS:  
gal ( L)  
LOT NO:



PO Box 1077 400 Sylvan Avenue  
Englewood Cliffs New Jersey 07632

FOR USE INDOORS AND OUTSIDE PREMISES OF HOTELS, MOTELS, HOMES, PRESCHOOLS, NURSERIES, DAY CAMPS, GREENHOUSES, LATHHOUSES, SEEDHOUSES, FOOD HANDLING ESTABLISHMENTS, PACKAGING AND PROCESSING PLANTS, COMMERCIAL, INDUSTRIAL, OFFICE, INSTITUTIONAL AND STORAGE BUILDINGS, MILK STORAGE ROOMS, MILK HANDLING AREAS OF MILK PLANTS, EGG PROCESSING PLANTS, SUPERMARKETS, RESTAURANTS, BOTTLING PLANTS, CANNERIES, FLOUR AND FEED MILLS, BAKERIES, SHIP CABINS AND HOSPITALS. IN HOSPITALS: PATIENTS SHOULD BE REMOVED PRIOR TO TREATMENT. ALSO FOR USE IN CAMPERS, MOBILE HOMES, BUSES, AUTOMOBILES, TRUCKS, BOXCARS AND SHIP CARGO HOLDS. ALSO FOR USE IN DOG KENNELS AND HORSE STABLES. IN HORSE STABLES, NOT FOR APPLICATION IF HORSES WILL BE USED FOR FOOD. IN GREENHOUSES: DO NOT APPLY THIS PRODUCT THROUGH ANY TYPE OF IRRIGATION SYSTEM.

**GENERAL INFORMATION:** Use this product to control the pests listed below by application of the appropriate spray dilution. Use only the dilution specified in the Directions for Use to control a particular pest. To prepare the spray, dilute this product with water as shown in the following SPRAY DILUTION CHART. Repeat the treatment as needed.

SPRAY DILUTION CHART				
Spray Dilution Desired (% SBP-1382)	0.03%	0.07%	0.10%	0.25%
Gallons of Water	1 (3.78 L)	100 (378.5 L)	1 (3.78 L)	1 (3.78 L)
Amount of this product to be Diluted with Water**	1 tsp. (5 ml) 1 pint (473 ml)	2 tsp. (10 ml)	1 tbsp. (15 ml)	2 1/2 tbsp. (37 ml)

\*\*6 teaspoons (tsp.) = 2 tablespoons (tbsp.) = 1 fluid ounce = 29.574 milliliters.

**INDOORS**

**Space Spray:** To control house flies, mosquitoes, gnats, flying ants (millers), and fruit flies use the 0.10% spray dilution. Close all doors and windows. Shut off ventilating systems, ducts and air-conditioning equipment. Mix well before using. Fill the spray tank with material, and apply as a fine spray at the rate of 2 fl. ozs. (59.1 ml) per 1,000 cubic feet (28.3 m<sup>3</sup>) or 1 gallon (3.78 L) per 64,000 cubic feet (1,812 m<sup>3</sup>). Point the nozzle upward and direct the spray mist to all parts of the room, especially windows and other light sources which attract these insects. Leave the treated area and keep closed for at least 15 minutes. Ventilate the room before re-entry. Repeat as necessary.

**Contact Spray:**

To control cockroaches (waterbugs), crickets, ants, scorpions, grasshoppers, silverfish (firebrats), earwigs, spiders, sowbugs (pillbugs), centipedes, millipedes, grain mites, and grain insects\*, use the 0.25% spray dilution. Mix well before using. Spray thoroughly into hiding places such as cracks, crevices, and moist areas around pipes, under refrigerators and along baseboards.

**DIRECTIONS FOR USE (Continued)**

Spray directly on insects when possible. Repeat as necessary.

**SPIDERS:** Spray directly on these pests and use repeated applications to the webbing and all cracks and crevices which harbor spiders.

**ANTS-INCLUDING FIRE ANTS:** Spray doors, around window frames, ant trails and hills, contacting as many ants as possible.

**\*GRAIN INSECTS:** Adults of confused flour beetles, sawtoothed grain beetles, red flour beetles, carpet beetles, grain weevils, Angoumois grain moths, Indian meal moths, and shiny spider beetles. Remove infested grain, cereal or flour and destroy. Avoid contamination of other food and food stuffs in the area by removing before spraying. Spray directly on exposed stages and into cracks and crevices where grain insects may be hiding. In homes, dispose of all infested products. The shelves and drawers should be cleaned and thoroughly sprayed so as to contact all pests, and covered with shelf paper after allowing shelves to dry. Any utensils that are contacted with spray should be washed before using. Repeat as necessary.

**TO KILL BED BUGS AND LICE:** Apply as a spot treatment to cracks and crevices around baseboards, floorboards, bedboards and walls. First, thoroughly clean and air mattresses and springs. Then spot treat only areas that may harbor pests, concentrating on tufts, folds and seams. Repeat as necessary. For persistent infestations, consult professional applicator.

**FLEAS AND TICKS ON DOGS, CATS AND PREMISES:** Use the 0.25% spray dilution and apply directly to animals along back, under forelegs and on other areas, except scrotum and anus. Part hair to contact skin and insure good coverage. Hold nozzle about one foot (30 cm) away while spraying. Apply until hair is thoroughly moist. Do not spray directly in eyes or mouth of animal. Repeat within 24 hours of first treatment if necessary. To reduce reinfestation, thoroughly spray the animal's bedding and other resting areas until the surface is slightly moist. Treat the floor areas, cracks and crevices in the floor and along baseboards at the rate of two seconds per linear foot (30 cm) at a distance of 12 to 18 inches (30-45 cm). Also spray the entire inside surface of dog houses. Repeat as necessary. Hit as many insects directly as possible.

**WASPS, HORNETS, YELLOW JACKETS, BEES:** Use the 0.25% spray dilution. Application should be made in late evening when insects are at rest. Spray liberally into hiding and breeding places, especially under attic rafters, contacting as many insects as possible. Repeat as necessary.

**ORNAMENTAL PLANTS INDOORS:** In greenhouses, lathhouses, homes, commercial and institutional buildings, and for indoor landscaping: To control aphids, fungus gnats, leafhoppers, plant bugs, spittlebugs, thrips, and whiteflies on the plants listed below, use the 0.03% spray dilution.

Prior to spray application, remove infested plants from living and eating areas, and place in an area not likely to come in contact with pets, children or food. Plants can be returned to original location when leaves dry.

If plant removal is not possible, remove or cover exposed food and food handling surfaces, including utensils, and remove animals. Shut off ventilating systems, air ducts, and air conditioning equipment. Avoid spray contact with surrounding areas.

Apply the spray to the upper and lower surfaces of plant foliage to the point of run-off. Avoid wetting blossoms if possible. Spray in the late afternoon or evening, when temperatures range from 50°F to 72°F (10°C to 22°C). Repeat applications weekly if necessary.

ageratum	daphne	Inch plant	pothos
aluminum plant	dracaena	Ivy; German	prayer plant
arrowhead vine	dumbcane	grape	purple wattles
aster	Easter lily	Swedish	roses
azalea	fatsihedera	English	rubber plant
Baby's Tears	ferns: asparagus	marigold	zamia
begonia	Boston	Moses in Cradle	sedum
black-eyed Susan	sword	naturlium	shamrock
bridal veil	figus	nephtytis	snake plant
broadleaf acacia	luchala	palm	snapdragon
calendula	gardenia	pansy	Star-of-Bethlehem
carnations	geranium	peperomia	verbena
Christmas cactus	heliotrope	petunia	wandering Jew
chrysanthemum	hibiscus	philodendron	wax plant
coleus	hoya	piggy-back plant	zebra plant
delay	ice plant	poinsettia	zinnia

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**USE WITH CAUTION:** on African violet, azalea, Reiger begonia, browallia, Tahitian bridal veil, caenothus, camelila, plumosa fern, gloxinia, Impatiens, geranium, oxalis, jade, primrose, cyclamen, wax begonia, spider plant, chrysanthemum Boston fern, geranium, and friendship plant.

As with all plants listed above, especially carnations, chrysanthemums and roses, there exists a wide variety of species and cultivars, and therefore a wide range of susceptibility to injury. To ascertain possible phytotoxicity, spray a few plants as described below, wait 24 hours, and check for possible injury.

**INSTRUCTIONS FOR WHITEFLY CONTROL IN GREENHOUSES ONLY**  
See "CONTACT SPRAY" directions above for ornamental plants. Repeat application weekly for four weeks or longer for control of adults, pupae, and nymphs. Complete spray schedule on poinsettia before blooms form.

Where fewer applications are preferred, apply the 0.07% spray dilution as stated above. Repeat as necessary.

**Non-thermal Applicators-** Close off greenhouse area to be treated for whitefly infestations.

## DIRECTIONS FOR USE (Continued)

### Instructions for Whitefly Control (continued)

Apply this product at the rate of 1½ fl ozs (44.4 ml) per 10,000 cubic feet (283 m³). This is equivalent to 1 gram of active ingredient per 1,000 cubic feet (28.3 cu. meters). Direct mist first toward upper corners of the greenhouse, then apply evenly throughout the area. Keep nozzle at least three feet (1 meter) from plant foliage. Keep treated area closed off for at least two hours. Ventilate before re-entry. Apply at weekly intervals for at least four weeks. Applications should be made during the late afternoon or at night when the temperature range is 50°F to 72°F (10°C to 22°C).

### INSTRUCTIONS FOR SOIL SURFACE SPRAY CONTROL OF FUNGUS GNAT LARVAE IN GREENHOUSES, LATHHOUSES, AND FOR INDOOR LANDSCAPING.

Use the 0.03% or 0.07% spray dilution to spray soil surface until thoroughly wet. Repeat at 10 day intervals, if necessary.

African violet	Marigold
Ageratum	Palm: Areca
Christmas Cactus	Neanthe Bella
Coleus	Peperomia
Cyclamen	Petunia
Dieffenbachia	Philodendron
Dracaena	Pothos
Easter Lily	Polka Dot Plant
Fern: Boston	Primrose
Ficus	Schefflera
Geranium	Snapdragon
Ivy: English	Zinnia

## OUTDOORS

**Premises:** For use around residential, commercial and institutional buildings, gardens, greenhouses, yards, patios, mobile homes and campers. To control the pests listed below, use the 0.25% spray dilution:

House flies, gnats, flying moths (millers), black flies, stable flies, deer flies, and fruit flies: Thoroughly spray breeding areas especially around poultry houses, barns, and similar areas of heavy ir.estation.

**ANTS AND FLEAS:** Same as directed above for indoor use.

**FIRE ANTS:** Kills and reduces annoyance for short periods of time. To reduce annoyance from ants and keep them from entering homes, spray patios, barbecue areas, driveways, entryways, door sills, window sills, other entrance areas, foundations of buildings, ant trails, around pools and areas where ants are noticed. Spray until the area is wet contacting as many insects as possible. This treatment will not kill the colonies but will reduce the immediate population for up to four hours. Repeat as necessary.

## EPA NO.432-605

**WASPS, HORNETS, YELLOW JACKETS, BEES:** Same as directed for indoor use. Aim spray at nest openings in ground, bushes, and in cracks and crevices which may harbor nests, saturating nest openings and contacting as many insects as possible. **APPLICATION SHOULD BE MADE LATE IN THE EVENING WHEN INSECTS ARE AT REST.** Repeat as necessary.

**CRICKETS, SILVERFISH, EARWIGS, SPIDERS, SCORPIONS, SOUBUGS, CENTIPEDES AND MILLIPEDES:** Same as directed above for indoor use.

## WARRANTY STATEMENT

Our recommendations for use of this product are based upon tests believed to be reliable. The use of this product being beyond the control of the manufacturer, no guarantee, expressed or implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions or established safe practice. The buyer must assume all responsibility, including injury or damage resulting from its misuse as such, or in combination with other materials.

NOT AVAILABLE COPY

Ms. Christina M. Lawes  
Roussel Bio Corporation  
170 Beaver Brook Rd.  
Lincoln Park, NJ 07035

Dear Ms. Lawes:

Subject: Revised Labeling  
SBP-1382 Insecticide Emulsifiable Concentrate 26% Formula I  
EPA Reg. NO. 432-605  
Resubmission: JUNE 18, 1992

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.

As new labels are prepared, delete the reference to BOATS from the front label panel. It is understood that this approved label replaces any previously accepted under this registration.

Sincerely,



Richard F. Mountfort  
Product Manager 10  
Insecticide & Rodenticide Branch  
Registration Division (H7505C)

# SBP-1382® INSECTICIDE EMULSIFIABLE CONCENTRATE FORMULA I

Contains 2lb/gal (240 g/L) of SBP-1382

Authorized by USDA for use in edible product areas of official establishments operating under the Meat, Poultry, Shell Egg Grading and Egg Products Inspection Programs.

### ACTIVE INGREDIENTS:

\*Resmethrin[5-(phenylmethyl)-3-(4-phenylphenyl)butyl]methacrylate 28.00%w/w  
3-(2-methyl-1-propenyl)cyclopropanecarboxylic acid 74.00%

### INERT INGREDIENTS:

100.00%w/w

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

\*Roussel Bio's SBP-1382® brand of resmethrin insecticide.

Roussel Bio Corp., 400 Sylvan Avenue, Englewood Cliffs, N.J. 07632

†Contains Xylene range aromatic solvent.

**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.

A SYNTHETIC PYRETHROID FOR CONTROLLING THE FOLLOWING FLYING AND CRAWLING INSECTS IN AND AROUND HOUSEHOLDS, GREENHOUSES, BUILDINGS, VEHICLES, BOATS, KENNELS AND STABLES.

#### HOUSEHOLD PESTS

house flies  
gnats  
flying moths (millers)  
fruit flies  
deer flies  
stable flies  
black flies  
wasps  
hornets  
yellow jackets  
bees  
cockroaches  
bed bugs  
lice

flea  
ticks  
ants  
fire ants  
crickets  
grasshoppers  
silverfish (firebrats)  
scorpions  
earwigs  
spiders  
grain insects  
sowbugs (pillbugs)  
centipedes  
millipedes

#### PLANT PESTS

aphids  
fungus gnats  
gypsy moths  
tent caterpillars  
Japanese beetles  
leafhoppers  
plant bugs  
spittlebugs  
thrips  
tussock moths  
citrus blackflies  
cutworms  
flea beetles  
oakworms  
cicada

whiteflies  
lacebugs  
leafbeetles  
mimosa webworms  
spider mites  
scales  
spruce budworms  
sawflies  
weevils  
rose slugs  
armyworms  
inchworms  
elm spanworms  
cankerworms  
(fall & spring)

### PRECAUTIONARY STATEMENT HAZARDS TO HUMANS & DOMESTIC ANIMALS WARNING

Causes substantial but temporary eye injury. Do not get in eyes. Wear goggles or safety glasses. Harmful if swallowed or absorbed through skin. Wash with soap and water after handling. Remove contaminated clothing. Do not apply directly to food or feedstuffs. In commercial food handling, do not apply directly to food or food processing equipment during application. If application is underway, after space spraying in bakeries and other food processing equipment, benches, shelving, etc. where exposed food will be handled, use an effective cleaning compound and rinse with potable water. Surfaces and utensils should be covered during treatment. Remove pets, birds and cover fish aquariums before spraying.

#### STATEMENT OF PRACTICAL TREATMENT

**IF SWALLOWED:** Call a physician or Poison Control Center. This product contains aromatic petroleum solvent. Aspiration may occur.  
**IF IN EYES OR ON SKIN:** Flush with plenty of water. Get medical attention.

#### ENVIRONMENTAL HAZARD

This pesticide is highly toxic to fish. Do not apply directly to streams, rivers, ponds, canals, ditches, and potholes. Drift and runoff from treated sites may contaminate adjacent waters. Do not contaminate water when disposing of containers.

#### PHYSICAL OR CHEMICAL HAZARD

**DO NOT USE OR STORE NEAR HEAT OR OPEN FLAME.** Flammable liquid. Do not apply this product in conduits, motor housings, junction boxes, or electrical equipment because of possible shock hazards. Do not use on surfaces that can be harmed or stained by water.

#### DIRECTIONS FOR USE

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

**KEEP OUT OF REACH OF CHILDREN**

**WARNING**

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

EPA Est.: See Label No. For Correlation  
EPA Reg. No. 432.805 A 42545-MO-1  
E-10370-TX-1 P 655-GA-1

NET CONTENTS:

gal ( )  
LOT NO:

**ROUSSEL BIO**  
CORPORATION

PO Box 1077 400 Sylvan Avenue  
Englewood Cliffs, New Jersey 07632

### STORAGE & DISPOSAL

Do not contaminate water, food or feed by storage or disposal. **STORAGE:** Do not store at temperatures below 40°F (4.5°C). At temperatures below 40°F (4.5°C), there may be precipitate evident, warm to 80°F (26.5°C) and thoroughly mix before use. For Containers One Gallon and Under: Store product in original area.

**PESTICIDE DISPOSAL:** For Containers Over One Gallon: For disposal of excess pesticide, spray mixture, or rinsate is a hazardous waste cannot be disposed of by use according to label. Pesticide or Environmental Control Agency, or the Hazardous Waste nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** For Containers 1 Gallon and Under: Wrap container and put in trash. For Containers Over 1 Gallon: Triple rinse (or equivalent). Then recycle, or puncture and dispose of in a sanitary landfill, or approved State and Local authorities.

FOR USE INDOORS AND OUTSIDE PREMISES OF HOTELS, MOTELS, HOMES, PRESCHOOLS, NURSERIES, DAY CAMPS, GREENHOUSES, LATHHOUSES, SEEDHOUSES, FOOD HANDLING ESTABLISHMENTS, PACKAGING AND PROCESSING PLANTS, COMMERCIAL, INDUSTRIAL, OFFICE, INSTITUTIONAL AND STORAGE BUILDINGS, MILK STORAGE ROOMS, MILK HANDLING AREAS OF MILK PLANTS, EGG PROCESSING PLANTS, SUPERMARKETS, RESTAURANTS, BOTTLING PLANTS, CANNERIES, FLOUR AND FEED MILLS, BAKERIES, SHIP CABINS AND HOSPITALS. IN HOSPITALS: PATIENTS SHOULD BE REMOVED PRIOR TO TREATMENT. ALSO FOR USE IN CAMPERS, MOBILE HOMES, BUSES, AUTOMOBILES, TRUCKS, BOXCARS AND SHIP CARGO HOLDS. ALSO FOR USE IN DOG KENNELS AND HORSE STABLES. IN HORSE STABLES, NOT FOR APPLICATION IF HORSES WILL BE USED FOR FOOD. IN GREENHOUSES: DO NOT APPLY THIS PRODUCT THROUGH ANY TYPE OF IRRIGATION SYSTEM.

**GENERAL INFORMATION:** Use this product to control the pests listed below by application of the appropriate spray dilution. Use only the dilution specified in the Directions for Use to control a particular pest. To prepare the spray, dilute this product with water as shown in the following **SPRAY DILUTION CHART**. Repeat the treatment as needed.

SPRAY DILUTION CHART				
Spray Dilution Desired (% SBP-1382)	0.03%	0.07%	0.10%	0.25%
Gallons of Water	1 (3.79 L)	100 (378.5 L)	1 (3.79 L)	1 (3.79 L)
Amount of this product to be Diluted with Water**	1 tsp. (5 ml)	1 pint (473 ml)	2 tsp. (10 ml)	1 tbsp. (15 ml)
				2 1/2 tbsp. (37 ml)

\*\*6 teaspoons (tsp.) = 2 tablespoons (tbsp.) = 1 fluid ounce = 29.574 milliliters.

### INDOORS

**Space Spray:** To control house flies, mosquitoes, gnats, flying roaches (millers), and fruit flies use the 0.10% spray dilution. Close all doors and windows. Shut off ventilating systems, ducts and air-conditioning equipment. Mix well before using. Fill the spray tank with material, and apply as a fine spray at the rate of 2 fl. ozs. (59.1 ml) per 1,000 cubic feet (28.3 m<sup>3</sup>) or 1 gallon (3.79 L) per 64,000 cubic feet (1,812 m<sup>3</sup>). Hold the nozzle upward and direct the spray mist to all parts of the room, especially windows and other light sources which attract these insects. Leave the treated area and keep closed for at least 15 minutes. Ventilate the room before re-entry. Repeat as necessary.

### Contact Spray:

To control cockroaches (waterbugs), crickets, ants, scorpions, grasshoppers, silverfish (firebrats), earwigs, spiders, sowbugs (pillbugs), centipedes, millipedes, grain mites, and grain insects\*, use the 0.25% spray dilution. Mix well before using. Spray thoroughly into hiding places such as cracks, crevices, and moist areas around pipes, under refrigerators and along baseboards.

### DIRECTIONS FOR USE (Continued)

Spray directly on insects when possible. Repeat as necessary.

**SPIDERS:** Spray directly on these pests and use repeated applications to the webbing and all cracks and crevices which harbor spiders.

**ANTS-INCLUDING FIRE ANTS:** Spray doors, around window frames, ant trails and hills, contacting as many ants as possible.

**\*GRAIN INSECTS:** Adults of confused flour beetles, sawtoothed grain beetles, red flour beetles, carpet beetles, grain weevils, Angoumois grain moths, Indian meal moths, and shiny spider beetles. Remove infested grain, cereal or flour and destroy. Avoid contamination of other food and food stuffs in the area by removing before spraying. Spray directly on exposed stages and into cracks and crevices where grain insects may be hiding. In homes, dispose of all infested products. The shelves and drawers should be cleaned and thoroughly sprayed so as to contact all pests, and covered with shelf paper after allowing shelves to dry. Any utensils that are contacted with spray should be washed before using. Repeat as necessary.

**TO KILL BED BUGS AND LICE:** Apply as a spot treatment to cracks and crevices around baseboards, floorboards, bedboards and walls. First, thoroughly clean and air mattresses and springs. Then spot treat only areas that may harbor pests, concentrating on tufts, folds and seams. Repeat as necessary. For persistent infestations, consult professional applicator.

**FLEAS AND TICKS ON DOGS, CATS AND PREMISES:** Use the 0.25% spray dilution and apply directly to animals along back, under forelegs and on other areas, except scrotum and anus. Part hair to contact skin and insure good coverage. Hold nozzle about one foot (30 cm) away while spraying. Apply until hair is thoroughly moist. Do not spray directly in eyes or mouth of animal. Repeat within 24 hours of first treatment if necessary. To reduce reinfestation, thoroughly spray the animal's bedding and other resting areas until the surface is slightly moist. Treat the floor areas, cracks and crevices in the floor and along baseboards at the rate of two seconds per linear foot (30 cm) at a distance of 12 to 18 inches (30-45 cm). Also spray the entire inside surface of dog houses. Repeat as necessary. Hit as many insects directly as possible.

**WASPS, HORNETS, YELLOW JACKETS, BEES:** Use the 0.25% spray dilution. Application should be made in late evening when insects are at rest. Spray liberally into hiding and breeding places, especially under attic rafters, contacting as many insects as possible. Repeat as necessary.

**ORNAMENTAL PLANTS INDOORS:** In greenhouses, lathhouses, homes, commercial and institutional buildings, and for indoor landscaping: To control aphids, fungus gnats, leafhoppers, plant bugs, spittlebugs, thrips, and whiteflies on the plants listed below, use the 0.03% spray dilution.

Prior to spray application, remove infested plants from living and eating areas, and place in an area not likely to come in contact with pets, children or food. Plants can be returned to original location when leaves dry.

If plant removal is not possible, remove or cover exposed food and food handling surfaces, including utensils, and remove animals. Shut off ventilating systems, air ducts, and air conditioning equipment. Avoid spray contact with surrounding areas.

Apply the spray to the upper and lower surfaces of plant foliage to the point of run-off. Avoid wetting blossoms if possible. Spray in the late afternoon or evening, when temperatures range from 50°F to 72°F (10°C to 22°C). Repeat applications weekly if necessary.

ageratum	daphne	inch plant	pothos
aluminum plant	dracaena	ivy; German	prayer plant
arrowhead vine	dumbcane	grape	purple waffle
aster	Easter lily	Swedish	reves
azalea	faishedera	English	rubber plant
Baby's Tears	ferns: asparagus	marigold	salvia
begonia	Boston	Moses in Cradle	sedum
Black-eyed Susan	sword	nasturtium	shamrock
bridal veil	figus	nephthytis	snake plant
broadleaf acacia	fuchsia	palms	snapdragon
calendula	gardenia	paney	Star-of-Bethlehem
carnations	geranium	paperonia	verbena
Christmas cactus	heliotrope	petunia	wandering jew
chrysanthemum	hibiscus	philodendron	wax plant
coleus	hoya	piggy-back plant	zebra plant
daisy	ice plant	poinsettia	zinnia

**USE WITH CAUTION:** on African violet, azalea, Reiger begonia, browallia, Tahitian bridal veil, caenothus, camellia, plumosa fern, gloxinia, Impatiens, geranium, oxalis, jade, primrose, cyclamen, wax begonia, spider plant, chrysanthemum, Boston fern, geranium, and friendship plant.

As with all plants listed above, especially carnations, chrysanthemums and roses, there exists a wide variety of species and cultivars, and therefore a wide range of susceptibility to injury. To ascertain possible phytotoxicity, spray a few plants as described below, wait 24 hours, and check for possible injury.

**INSTRUCTIONS FOR WHITEFLY CONTROL IN GREENHOUSES ONLY**  
See "CONTACT SPRAY" directions above for ornamental plants. Repeat application weekly for four weeks or longer for control of adults, pupae, and nymphs. Complete spray schedule on poinsettia before blooms form.

Where fewer applications are preferred, apply the 0.07% spray dilution as stated above. Repeat as necessary.

**Non-thermal Applicators-** Close off greenhouse area to be treated for whitefly infestations.

## DIRECTIONS FOR USE (Continued)

### Instructions for Whitefly Control (continued)

Apply this product at the rate of 1½ fl ozs (44.4 ml) per 10,000 cubic feet (283 m<sup>3</sup>). This is equivalent to 1 gram of active ingredient per 1,000 cubic feet (28.3 cu. meters). Direct mist first toward upper corners of the greenhouse, then apply evenly throughout the area. Keep nozzle at least three feet (1 meter) from plant foliage. Keep treated area closed off for at least two hours. Ventilate before re-entry. Apply at weekly intervals for at least four weeks. Applications should be made during the late afternoon or at night when the temperature range is 50°F to 72°F (10°C to 22°C).

### INSTRUCTIONS FOR SOIL SURFACE SPRAY CONTROL OF FUNGUS GNAT LARVAE IN GREENHOUSES, LATHHOUSES, AND FOR INDOOR LANDSCAPING.

Use the 0.03% or 0.07% spray dilution to spray soil surface until thoroughly wet. Repeat at 10 day intervals, if necessary.

African violet	Marigold
Ageratum	Palm: Areca
Christmas Cactus	Neanthe Bella
Coleus	Peperomia
Cyclamen	Petunia
Dieffenbachia	Philodendron
Dracena	Pothos
Easter Lily	Poinsettia
Fern: Boston	Primrose
Ficus	Schefflera
Geranium	Snapdragon
Ivy: English	Zinnia

## OUTDOORS

**Premises:** For use around residential, commercial and institutional buildings, gardens, greenhouses, yards, patios, mobile homes and campers. To control the pests listed below, use the 0.25% spray dilution:

House flies, gnats, flying moths (millipedes), black flies, stable flies, deer flies, and fruit flies: Thoroughly spray breeding areas especially around poultry houses, barns, and similar areas of heavy infestation.

**ANTS AND FLEAS:** Same as directed above for indoor use.

**FIRE ANTS:** Kills and reduces annoyance for short periods of time. To reduce annoyance from ants and keep them from entering homes, spray patios, barbecue areas, driveways, entryways, door sills, window sills, other entrance areas, foundations of buildings, ant trails, around pools and areas where ants are noticed. Spray until the area is wet contacting as many insects as possible. This treatment will not kill the colonies but will reduce the immediate population for up to four hours. Repeat as necessary.

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**WASPS, HORNETS, YELLOW JACKETS, BEES:** Same as directed for indoor use. Aim spray at nest openings in ground, bushes, and in cracks and crevices which may harbor nests, saturating nest openings and contacting as many insects as possible. APPLICATION SHOULD BE MADE LATE IN THE EVENING WHEN INSECTS ARE AT REST. Repeat as necessary.

**CRICKETS, SILVERFISH, EARWIGS, SPIDERS, SCORPIONS, SOWBUGS, CENTIPEDES AND MILLIPEDES:** Same as directed above for indoor use.

## WARRANTY STATEMENT

Our recommendations for use of this product are based upon tests believed to be reliable. The use of this product being beyond the control of the manufacturer, no guarantee, expressed or implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions or established safe practice. The buyer must assume all responsibility, including injury or damage resulting from its misuse as such, or in combination with other materials.