



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

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Call 1-94

SHARON M. JOHNSTON
ROUSSEL UCLAF CORP.
95 CHESTNUT RIDGE ROAD
MONTVALE, N.J. 07645

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

SUBJECT: Label Amendment Submission of 10/20/93 in Response to PR Notice 93-7
EPA Reg. No. 432-626
SBP-1382/ESBIOTHRIN/P.B.O. INSECTICIDE AQ. PRESS SPRAY O

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, successfully **REMOVES THE PRODUCT FROM THE SCOPE** of PR Notice 93-7 once the comments (if any) on the attached sheet are addressed. Other than the alterations (if any) listed on the attached sheet, no further alterations to the labeling are necessary to reflect the requirements of the Worker Protection Standard.

Since your amendment proposes to delete uses directly and/or to delete uses implicitly through the use of exclusionary statements, the Agency will publish in the Federal Register a notice of receipt of your amendment to delete uses, as required by section 6(f)(1) of FIFRA. The Agency will defer action for 90 days from the date of the Federal Register notice to give affected minor users an opportunity to try to persuade you to retain the uses(s). When the comment period has expired, the Agency will approve the amendment unless you have withdrawn it, and stamp the amended labeling "accepted." Your stamped-accepted labeling will then be sent to you.

As described in Supplement A of PR Notice 93-11 (self-verification option), you may sell and distribute product bearing the submitted labeling before you receive a copy of your stamped-accepted labeling. Note that your registration is not amended until the comment period required by section 6(f)(1) of FIFRA has expired and the Agency has approved the amendment. Therefore, you may withdraw your proposed amendment at any time during the comment period and until you receive your stamped-accepted labeling.

Sincerely,

James Tompkins, Deputy Chief
Registration Support Branch
Registration Division (7505W)



Recycled/Recyclable
Printed with Soy/Canola Ink on paper that
contains at least 50% recycled fiber

CROSSFIRE™ APS 1

with SBP-1382/Esbiothrin® Piperonyl Butoxide 0.20%+0.10%+0.40%

- 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
- A Synthetic pyrethroid for controlling listed flying and crawling insects in and around households, buildings, vehicles, boats, kennels and stables

ACTIVE INGREDIENTS:

* Resmethrin [5-(phenylmethyl)-3-furanyl]methyl 2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylate	0.20%
• d/l/allethrolone d-trans chrysanthemate	0.10%
** Piperonyl Butoxide, Technical	0.40%
INERT INGREDIENTS:	99.30%
	100.00%

Min. 72% d-trans-Chrysanthemum monocarboxylic ester of d-2-allyl-4-hydroxy-3-methyl-2-cyclopenten-1-one. Max. 28% other isomers.
 * Cis/trans isomers ratio: max. 30% (±) cis and min. 70% (±) trans.
 • Roussel Uclaf's SBP-1382® brand of resmethrin insecticide.
 † Equivalent to 0.32% (Butylcarbityl)(6-Propylpiperonyl) ether and 0.08% related compounds.
 • Esbiothrin is a registered trademark of Roussel-UCLAF; Paris, France

EPA REG. NO. 432-626

EPA EST. NO.

KEEP OUT OF REACH OF CHILDREN

CAUTION

STATEMENT OF PRACTICAL TREATMENT

FOR SKIN AND EYES: In case of contact, immediately flush eyes and skin with plenty of water. Get medical attention if irritation persists.

See side panel for additional
precautionary statements

to EPA Letter Dated

Under the Federal Insecticide,
Fungicide and Rodenticide Act
as amended for the pesticide
registered under EPA Reg. No.

NET CONTENTS:

Roussel Uclaf Corporation
95 Chestnut Ridge Road
Montvale, NJ 07645

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. 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 underway. After space spraying in bakeries and other food processing plants, wash all equipment, benches, shelving, etc. where exposed food will be handled, thoroughly with an effective cleaning compound and rinse with potable water. In the home, all food processing surfaces and utensils should be covered during treatment, or thoroughly washed before use. Remove pets, birds and cover fish aquariums before spraying.

ENVIRONMENTAL HAZARDS

This pesticide is highly toxic to fish. For terrestrial uses, do not apply directly to water or 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.

PHYSICAL OR CHEMICAL HAZARDS

Contents under pressure. Do not puncture or incinerate container. Do not use or store near heat or open flame. Exposure to temperatures above 130°F (54.5°C) may cause bursting. Do not apply this product in conduits, motor housings, junction and switch boxes or other electrical equipment because of possible shock hazards.

STORAGE AND DISPOSAL

Storage: Keep in locked storage area.

Container Disposal: Replace cap and discard container in trash.

DIRECTIONS FOR USE

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

Not for use on plants being grown for sale or other commercial use, or for commercial seed production or for research purposes. For use on plants intended for aesthetic purposes or climatic modification and being grown in interior plantscapes, ornamental gardens or parks, or on golf courses or lawns.

SHAKE WELL BEFORE USING

FOR USE INDOORS AND OUTSIDE PREMISES OF Hotels, Motels, Homes, Preschools, Nurseries, Day Camps, Seed Houses, Food Handling Establishments, Packaging and Processing Plants, Commercial, Industrial, Office, Institutional and Storage Buildings, Milk Handling Areas of Milk Plants, Milk Storage Rooms, Egg Processing Plants, Supermarkets, Restaurants, Bottling Plants, Canneries, Flour and Feed Mills, Bakeries, Boats, Ship Cabins and Hospitals. IN HOSPITALS: Patients should be removed prior to treatment. Ventilate rooms for 2 hours before returning patients. 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. DO NOT SPRAY DOG AND HORSE FOOD OR FEED ITEMS.

Do not use this product in or on electrical equipment due to the possibility of shock hazard. Shake well before using. Replace protective cap. Aim spray opening away from person. Push button to spray.

To control the following flying and crawling insects:

Flying Insects

house flies
mosquitoes
gnats (midges)
deer flies
stable flies
flying moths (millers)
fruit flies
wasps
hornets
yellow jackets
bees

Crawling Insects

cockroaches
waterbugs
bedbugs
ticks
ants
crickets
silverfish
boxelder bugs
earwigs
spiders
sowbugs
centipedes
millipedes
grain mites
grain insects
fleas

Plant Pests

aphids	leaf beetles
thrips	gypsy moths
whiteflies	tussock moths
leafhoppers	oakworms
two-spotted mites	sawflies
plant bugs	tent caterpillars
spittle bugs	weevils
lace bugs	rose slugs
Japanese beetles	spider mites
mimosa webworm	red spider mites
armyworms	cutworms
budworms	

TO KILL FLEAS & TICKS ON DOGS, CATS & PREMISES: 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 away while spraying. Apply until hair is thoroughly moist. Do not spray 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 these areas at the rate of 2 seconds per linear foot (0.3 m) at a distance of 12 to 18 inches (30 to 46 cm). Also spray the entire inside surface of dog houses. Repeat as necessary, thoroughly spraying floors, cracks, crevices and bedding. Hit as many insects directly as possible.

TO PROTECT ORNAMENTAL PLANTS in homes, commercial and institutional buildings and for indoor landscaping: Spray directly on insects as directed below to kill aphids, exposed thrips, whiteflies, lace bugs, leafhoppers, plant bugs, spittlebugs, two-spotted mites, red spider mites, spider mites, cutworms and rose slugs on the following plants:

African violet	dumbcane	mayten tree
ageratum	fatshedera	nasturtium
amaranth	asparagus fern	petunia
false aralea	fuchsia	philodendron
begonia	geranium	pothos
Christmas cactus	heliotrope	rose
chrysanthemum	hibiscus	snapdragon
cockscornb	impatiens	silver vase
coleus	ivy	toyon
gold dust croton	jade	verbena
cup flower	Jacob's ladder	umbrella tree
daisy	lilac	wax plant
daphne	lobelia	zinnia
dracaena	marigold	

INDOORS: For use in households, commercial and institutional buildings, campers, mobile homes, vehicles and boats, as listed above.

TO KILL FLYING INSECTS: House flies, mosquitoes, gnats (midges), deer flies, stable flies, flying moths (millers), fruit flies. Close all doors and windows. Point nozzle upward. Direct spray mist to all parts of the room, especially windows and other light sources which attract these insects. Fill the room with mist, then leave the treated area. Keep the room closed for at least 15 minutes. Ventilate the room when treatment is complete.

TO KILL WASPS, HORNETS, YELLOW JACKETS, BEES: 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.

TO KILL CRAWLING INSECTS: Fleas, cockroaches (waterbugs), crickets, silverfish, boxelder bugs, earwigs, spiders, sowbugs, centipedes, millipedes, mites and grain insects (adults and accessible stages of confused flour beetles, red flour beetles, saw-toothed grain beetles, shiny spider beetles, carpet beetles, grain weevils, Angoumois grain moths, Indian meal moths): Spray thoroughly into hiding places such as cracks, crevices, moist areas, openings around pipes and sinks, under refrigerators, baseboards, storage areas and other insect harborage areas. Spray directly on insects where possible. Repeat as necessary.

GRAIN INSECTS: For control of the insect pests listed above, remove and destroy infested grain, cereal and flour. Avoid contamination of other food and foodstuffs 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 the shelves to dry. Any utensils that are contacted with spray should be washed before using. Repeat as necessary.

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

TO KILL ANTS: Spray doors, around window frames, ant trails, and hills.

TO KILL BEDBUGS 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.

CONTACT SPRAY FOR PESTS LISTED ABOVE: Hold container 18 inches (46 cm) from infested plants. Spray in short bursts from one to three seconds, or spray at the rate of 1 linear foot (0.3 m) of growth per second. Direct spray to all sides covering foliage until slightly moist. Avoid heavy wetting. Repeat as necessary to obtain control. If application is made indoors, remove infested plants from living and eating areas prior to spray application. Spray several plants at once and in an area not likely to come in contact with pets, children or food. When leaves dry, plants can be returned to original position. If plant removal is not possible, remove or cover exposed food and food handling surfaces, including utensils. Shut off ventilating systems, air ducts and air conditioning equipment. Avoid spray contact with surrounding surfaces in area. Leave the sprayed area after treatment and ventilate.

USE WITH CAUTION on African violet, ash, azalea, Reiger begonia, browalia, caenothus, camellia, columnea, cotoneaster, cyclamen, cypress, plumosa fern, gloxinia, impatiens, juniper, non-bearing mulberry and quince, oxalis, jade and primrose. As with all plants above, especially carnations, chrysanthemums, and roses, there exists a wide variety of species and cultivars and therefore a wide variety of susceptibility to injury. To ascertain possible phytotoxicity, spray a few plants as described above, wait 24 hours and check for possible injury.

OUTDOORS: For use around residential, commercial and institutional buildings, gardens, yards, patios, mobile homes, campers, boats and swimming pools for controlling household and plant pests listed below.

To kill house flies, mosquitoes, gnats (midges), deer flies, stable flies, flying moths (millers), fruit flies: Spray resting areas to reduce annoyance from these pests. Follow precautions listed above. Hold container 18 to 24 inches (46 to 61 cm) from shrubs, bushes and grassy areas. Spray these areas with a slow sweeping motion at the rate of from 1 to 3 seconds per cubic yard (0.77 m³) of space while moving away from the treated areas. Treat open porches and patios in a similar manner. Spray only when the air is still. Allow spray to dissipate before occupying the treated area. Repeat as necessary.

Wasps, hornets, yellow jackets, bees: Same as directed above for indoor use. Application should be made late in the evening when insects are at rest. 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. Repeat as necessary.

Ants and Fleas: Same as directed above for indoor use.

Crickets, silverfish, earwigs, boxelder bugs, spiders, sowbugs, centipedes, and millipedes: Same as directed above for indoor use. TO PROTECT ORNAMENTAL PLANTS: Spray directly on insects as directed below to kill aphids, exposed thrips, whiteflies, leafhoppers, Japanese beetles, plant bugs, spittle bugs, two-spotted mites, red spider mites, lace bugs on:

althea	maple	rhododendron
white birch	mimosa	spirea
cypress	non-bearing citrus	spruce
dogwood	and cranberry	toyon
euonymous	oak	
forsythia	palm	also:
hemlock	viburnum	mimosa webworm
holly	pine	on mimosa
locust	pyracantha	

To kill armyworms, budworms, leaf beetles, gypsy moths, tussock moths, oakworms, sawflies, tent caterpillars, and weevils on the above plants: also rose slugs on roses, spider mites on chrysanthemums, cutworms on gladiolus and petunia. To kill aphids, exposed thrips, adult whiteflies, leafhoppers, plant bugs, spittlebugs, lace bugs and Japanese beetles on:

African violets	daphne	nasturtium
ageratum	fatsyhedera	peony
begonia	geranium	philodendron
broadleaf acacia	honeysuckle	queen sago
chrysanthemum	iris	roses
jasmine	ivy	snapdragon
daisy	marigold	tobira
		zinnia

Contact Spray Directions For Above Pests: Hold container 18 in (46 cm) from the infested plants. Spray in short bursts from 1 to 3 seconds or spray at the rate of 1 linear foot (0.3 m) of growth per second. Direct spray to all sides covering foliage until slightly moist. Avoid heavy wetting. Repeat as necessary to obtain control. For adult whiteflies and two-spotted mites, be sure to direct spray to contact pests. Thoroughly cover the infested area. Use several repeat applications at two-day intervals, if necessary.

Use With Caution: on African violet, ash, azalea, Reiger begonia, browalia, caenothus, camellia, columnea, cotoneaster, cyclamen, cypress, plumosa fern, gloxinia, impatiens, juniper, non-bearing mulberry, flowering quince, oxalis, jade, primrose and rose, including hybrid tea rose. These plants may be subject to leaf and flower burn under certain conditions of use. 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 above, wait 24 hours and check for possible injury.

NOTICE: Buyer assumes all responsibility for safety and use not in accordance with directions.

BEST AVAILABLE COPY



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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

Call to 1-800-457-6344

SHARON M. JOHNSTON
ROUSSEL UCLAF CORP.
95 CHESTNUT RIDGE ROAD
MONTVALE, N.J. 07645

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

SUBJECT: Label Amendment Submission of 10/20/93 in Response to PR Notice 93-7
EPA Reg. No. 432-626
SBP-1382/ESBIOTHRIN/P.B.O. INSECTICIDE AQ. PRESS SPRAY O

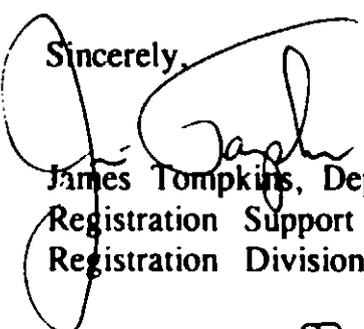
Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, successfully **REMOVES THE PRODUCT FROM THE SCOPE** of PR Notice 93-7 once the comments (if any) on the attached sheet are addressed. Other than the alterations (if any) listed on the attached sheet, no further alterations to the labeling are necessary to reflect the requirements of the Worker Protection Standard.

Since your amendment proposes to delete uses directly and/or to delete uses implicitly through the use of exclusionary statements, the Agency will publish in the Federal Register a notice of receipt of your amendment to delete uses, as required by section 6(f)(1) of FIFRA. The Agency will defer action for 90 days from the date of the Federal Register notice to give affected minor users an opportunity to try to persuade you to retain the uses(s). When the comment period has expired, the Agency will approve the amendment unless you have withdrawn it, and stamp the amended labeling "accepted." Your stamped-accepted labeling will then be sent to you.

As described in Supplement A of PR Notice 93-11 (self-verification option), you may sell and distribute product bearing the submitted labeling before you receive a copy of your stamped-accepted labeling. Note that your registration is not amended until the comment period required by section 6(f)(1) of FIFRA has expired and the Agency has approved the amendment. Therefore, you may withdraw your proposed amendment at any time during the comment period and until you receive your stamped-accepted labeling.

Sincerely,


James Tompkins, Deputy Chief
Registration Support Branch
Registration Division (7505W)



Recycled/Recyclable
Printed with Soy/Canola Ink on paper that
contains at least 50% recycled fiber

194

CROSSFIRE™ APS 1

with SBP-1382/Esbiothrin® Piperonyl Butoxide 0.20%+0.10%+0.40%

- 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
- A Synthetic pyrethroid for controlling listed flying and crawling insects in and around households, buildings, vehicles, boats, kennels and stables

ACTIVE INGREDIENTS:

*Resmethrin [5-(phenylmethyl)-3-furanyl]methyl 2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylate	0.20%
-d/allethrolone d-trans chrysanthemate	0.10%
**Piperonyl Butoxide, Technical	0.40%
INERT INGREDIENTS:	99.30%
	100.00%

Min. 72% d-trans-Chrysanthemum monocarboxylic ester of d-2-allyl-4-hydroxy-3-methyl-2-cyclopenten-1-one. Max. 28% other isomers.
 *Cis/trans isomers ratio: max. 30% (z) cis and min. 70% (z) trans.
 •Roussel Uclaf's SBP-1382® brand of resmethrin insecticide.
 **Equivalent to 0.32% (Butylcarbityl)(6-Propylpiperonyl) ether and 0.08% related compounds.
 •Esbiothrin is a registered trademark of Roussel-UCLAF; Paris, France

EPA REG. NO. 432-626

EPA EST. NO.

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

STATEMENT OF PRACTICAL TREATMENT

FOR SKIN AND EYES: In case of contact, immediately flush eyes and skin with plenty of water. Get medical attention if irritation persists.

**See side panel for additional
precautionary statements**

In EPA Letter Dated

APR 21 1982

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended for the pesticide registered under EPA Reg. No.

NET CONTENTS:

Roussel Uclaf Corporation
95 Chestnut Ridge Road
Montvale, NJ 07645

APR 21

**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. 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 underway. After space spraying in bakeries and other food processing plants, wash all equipment, benches, shelving, etc. where exposed food will be handled, thoroughly with an effective cleaning compound and rinse with potable water. In the home, all food processing surfaces and utensils should be covered during treatment, or thoroughly washed before use. Remove pets, birds and cover fish aquariums before spraying.

ENVIRONMENTAL HAZARDS

This pesticide is highly toxic to fish. For terrestrial uses, do not apply directly to water or 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.

PHYSICAL OR CHEMICAL HAZARDS

Contents under pressure. Do not puncture or incinerate container. Do not use or store near heat or open flame. Exposure to temperatures above 130°F (54.5°C) may cause bursting. Do not apply this product in conduits, motor housings, junction and switch boxes or other electrical equipment because of possible shock hazards.

STORAGE AND DISPOSAL

Storage: Keep in locked storage area.
Container Disposal: Replace cap and discard container in trash.

DIRECTIONS FOR USE

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

Not for use on plants being grown for sale or other commercial use, or for commercial seed production or for research purposes. For use on plants intended for aesthetic purposes or climatic modification and being grown in interior plantscapes, ornamental gardens or parks, or on golf courses or lawns.

SHAKE WELL BEFORE USING

FOR USE INDOORS AND OUTSIDE PREMISES OF Hotels, Motels, Homes, Preschools, Nurseries, Day Camps, Seed Houses, Food Handling Establishments, Packaging and Processing Plants, Commercial, Industrial, Office, Institutional and Storage Buildings, Milk Handling Areas of Milk Plants, Milk Storage Rooms, Egg Processing Plants, Supermarkets, Restaurants, Bottling Plants, Canneries, Flour and Feed Mills, Bakeries, Boats, Ship Cabins and Hospitals. IN HOSPITALS: Patients should be removed prior to treatment. Ventilate rooms for 2 hours before returning patients. 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. **DO NOT SPRAY DOG AND HORSE FOOD OR FEED ITEMS.**

Do not use this product in or on electrical equipment due to the possibility of shock hazard. Shake well before using. Remove protective cap. Aim spray opening away from person. Push button to spray.

To control the following flying and crawling insects:

Flying Insects

- house flies
- mosquitoes
- gnats (midges)
- deer flies
- stable flies
- flying moths (millers)
- fruit flies
- wasps
- hornets
- yellow jackets
- bees

Crawling Insects

- cockroaches
- waterbugs
- bedbugs
- ticks
- ants
- crickets
- silverfish
- boxelder bugs
- earwigs
- spiders
- sowbugs
- centipedes
- millipedes
- grain mites
- grain insects
- fleas

Plant Pests

- | | | | | |
|-------------------|-------------------|------------------|----------------|---------------|
| aphids | leaf beetles | African violet | dumbcane | mayten tree |
| thrips | gypsy moths | ageratum | fatshedera | nasturtium |
| whiteflies | tussock moths | amaranth | asparagus fern | petunia |
| leafhoppers | oakworms | false aralea | fuchsia | philodendron |
| two-spotted mites | sawflies | begonia | geranium | pothos |
| plant bugs | tent caterpillars | Christmas cactus | heliotrope | rose |
| spittle bugs | weevils | chrysanthemum | hibiscus | snapdragon |
| lace bugs | rose slugs | cockscomb | impatiens | silver vase |
| Japanese beetles | spider mites | coleus | ivy | toyon |
| mimosa webworm | red spider mites | gold dust croton | jade | verbena |
| armyworms | cutworms | cup flower | Jacob's ladder | umbrella tree |
| budworms | | daisy | lilac | wax plant |
| | | daphne | lobelia | zinnia |
| | | dracaena | marigold | |

INDOORS: For use in households, commercial and institutional buildings, campers, mobile homes, vehicles and boats, as listed above.

TO KILL FLYING INSECTS: House flies, mosquitoes, gnats (midges), deer flies, stable flies, flying moths (millers), fruit flies. Close all doors and windows. Point nozzle upward. Direct spray mist to all parts of the room, especially windows and other light sources which attract these insects. Fill the room with mist, then leave the treated area. Keep the room closed for at least 15 minutes. Ventilate the room when treatment is complete.

TO KILL WASPS, HORNETS, YELLOW JACKETS, BEES: 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.

TO KILL CRAWLING INSECTS: Fleas, cockroaches (waterbugs), crickets, silverfish, boxelder bugs, earwigs, spiders, sowbugs, centipedes, millipedes, grain mites and grain insects (adults and accessible stages of confused flour beetles, red flour beetles, saw-toothed grain beetles, shiny spider beetles, carpet beetles, grain weevils, Angoumois grain moths, Indian meal moths): Spray thoroughly into hiding places such as cracks, crevices, moist areas, openings around pipes and sinks, under refrigerators, baseboards, storage areas and other insect harborage areas. Spray directly on insects where possible. Repeat as necessary.

GRAIN INSECTS: For control of the insect pests listed above, remove and destroy infested grain, cereal and flour. Avoid contamination of other food and foodstuffs 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 the shelves to dry. Any utensils that are contacted with spray should be washed before using. Repeat as necessary.

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

TO KILL ANTS: Spray doors, around window frames, ant trails, and hills.

TO KILL BEDBUGS 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.

TO KILL FLEAS & TICKS ON DOGS, CATS & PREMISES: 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 away while spraying. Apply until hair is thoroughly moist. Do not spray 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 these areas at the rate of 2 seconds per linear foot (0.3 m) at a distance of 12 to 18 inches (30 to 46 cm). Also spray the entire inside surface of dog houses. Repeat as necessary, thoroughly spraying floors, cracks, crevices and bedding. Hit as many insects directly as possible.

TO PROTECT ORNAMENTAL PLANTS in homes, commercial and institutional buildings and for indoor landscaping: Spray directly on insects as directed below to kill aphids, exposed thrips, whiteflies, lace bugs, leafhoppers, plant bugs, spittlebugs, two-spotted mites, red spider mites, spider mites, cutworms and rose slugs on the following plants:

- | | | |
|------------------|----------------|---------------|
| African violet | dumbcane | mayten tree |
| ageratum | fatshedera | nasturtium |
| amaranth | asparagus fern | petunia |
| false aralea | fuchsia | philodendron |
| begonia | geranium | pothos |
| Christmas cactus | heliotrope | rose |
| chrysanthemum | hibiscus | snapdragon |
| cockscomb | impatiens | silver vase |
| coleus | ivy | toyon |
| gold dust croton | jade | verbena |
| cup flower | Jacob's ladder | umbrella tree |
| daisy | lilac | wax plant |
| daphne | lobelia | zinnia |
| dracaena | marigold | |

CONTACT SPRAY FOR PESTS LISTED ABOVE: Hold container 18 inches (46 cm) from infested plants. Spray in short bursts from one to three seconds, or spray at the rate of 1 linear foot (0.3 m) of growth per second. Direct spray to all sides covering foliage until slightly moist. Avoid heavy wetting. Repeat as necessary to obtain control. If application is made indoors, remove infested plants from living and eating areas prior to spray application. Spray several plants at once and in an area not likely to come in contact with pets, children or food. When leaves dry, plants can be returned to original position. If plant removal is not possible, remove or cover exposed food and food handling surfaces, including utensils. Shut off ventilating systems, air ducts and air conditioning equipment. Avoid spray contact with surrounding surfaces in area. Leave the sprayed area after treatment and ventilate.

USE WITH CAUTION on African violet, ash, azalea, Reiger begonia, browalia, caenothus, camellia, columnea, cotoneaster, cyclamen, cypress, plumosa fern, gloxinia, impatiens, juniper, non-bearing mulberry and quince, oxalis, jade and primrose. As with all plants above, especially carnations, chrysanthemums, and roses, there exists a wide variety of species and cultivars and therefore a wide variety of susceptibility to injury. To ascertain possible phytotoxicity, spray a few plants as described above, wait 24 hours and check for possible injury.

OUTDOORS: For use around residential, commercial and institutional buildings, gardens, yards, patios, mobile homes, campers, boats and swimming pools for controlling household and plant pests listed below.

To kill house flies, mosquitoes, gnats (midges), deer flies, stable flies, flying moths (millers), fruit flies: Spray resting areas to reduce annoyance from these pests. Follow precautions listed above. Hold container 18 to 24 inches (46 to 61 cm) from shrubs, bushes and grassy areas. Spray these areas with a slow sweeping motion at the rate of from 1 to 3 seconds per cubic yard (0.77 m³) of space while moving away from the treated areas. Treat open porches and patios in a similar manner. Spray only when the air is still. Allow spray to dissipate before occupying the treated area. Repeat as necessary.

Wasps, hornets, yellow jackets, bees: Same as directed above for indoor use. Application should be made late in the evening when insects are at rest. 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. Repeat as necessary.

Ants and Fleas: Same as directed above for indoor use.

Crickets, silverfish, earwigs, boulder bugs, spiders, sowbugs, centipedes, and millipedes: Same as directed above for indoor use. TO PROTECT ORNAMENTAL PLANTS: Spray directly on insects as directed below to kill aphids, exposed thrips, whiteflies, leafhoppers, Japanese beetles, plant bugs, spittle bugs, two-spotted mites, red spider mites, lace bugs on:

- | | | |
|-------------|--------------------|----------------|
| althea | maple | rhododendron |
| white birch | mimosa | spirea |
| cypress | non-bearing citrus | spruce |
| dogwood | and cranberry | toyon |
| euonymus | oak | |
| forsythia | palm | also: |
| hemlock | viburnum | mimosa webworm |
| holly | pine | on mimosa |
| locust | pyracantha | |

To kill armyworms, budworms, leaf beetles, gypsy moths, tussock moths, oakworms, sawflies, tent caterpillars, and weevils on the above plants: also rose slugs on roses, spider mites on chrysanthemums, cutworms on gladiolus and petunia. To kill aphids, exposed thrips, adult whiteflies, leafhoppers, plant bugs, spittlebugs, lace bugs and Japanese beetles on:

- | | | |
|------------------|-------------|--------------|
| African violets | daphne | nasturtium |
| ageratum | fatshedera | peony |
| begonia | geranium | philodendron |
| broadleaf acacia | honeysuckle | queen sago |
| chrysanthemum | iris | roses |
| coleus | ivy | snapdragon |
| daisy | marigold | tobira |
| | | zinnia |

Contact Spray Directions For Above Pests: Hold container 18 in (46 cm) from the infested plants. Spray in short bursts from 1 to 3 seconds or spray at the rate of 1 linear foot (0.3 m) of growth per second. Direct spray to all sides covering foliage until slightly moist. Avoid heavy wetting. Repeat as necessary to obtain control. For adult whiteflies and two-spotted mites, be sure to direct spray to contact pests. Thoroughly cover the infested area. Use several repeat applications at two-day intervals, if necessary.

Use With Caution: on African violet, ash, azalea, Reiger begonia, browelia, caenothus, camellia, columnea, cotoneaster, cyclamen, cypress, plumosa fern, gladiolus, impatiens, juniper, non-bearing mulberry, flowering quince, oxalis, jade, primrose and rose, including hybrid tea rose. These plants may be subject to leaf and flower burn under certain conditions of use. 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 above, wait 24 hours and check for possible injury.

NOTICE: Buyer assumes all responsibility for safety and use not in accordance with directions.

